

# GUJARAT UNIVERSITY

AHMEDABAD - 380 009



## RE-ACCREDITATION REPORT - 2014

Submitted to

**National Assessment and Accreditation Council**  
**Bangalore - 560 072**



**UNIVERSITY TRACK ID : GJUNGN 10131**



## Gujarat University Crest



The Crest of the Gujarat University symbolically represents both the cultural heritage of Gujarat and the characteristics and aspirations of her people. The most prominent symbols are the dancing peacock and the sculptural architect resting on two pillars and a lamp suspended from its Centre. The dancing peacock, besides, representing its rider, Saraswati, the Goddess of Learning in Indian Mythology, Symbolizes Gujarat's love for arts and her dignified aesthetic taste. The architect represents the most characteristics feature of Gujarat's sculpture and is eloquent of her rich heritage; while the two pillars symbolize the solid foundation on which the heritage rests. The lamp suspended from the Centre of the architect is a symbol of learning that dispels the darkness of ignorance and enlightens everything that it encompasses. The lightning at the top of the rectangle and the atomic circles below it symbolize at once the flash of genius and scientific progress and proclaim the avowed ambition of the University to build and maintain a balanced outlook towards Arts and Sciences as indeed towards the life in general.

The motto । योगः कर्मसुकौशलम् । is a well - known quotation from the BhagwadGeeta and enjoins on the teachers and the students of the University work, more work and intelligent work, for that alone leads to efficiency and progress.

## Gujarat University Song

### ગુજરાત યુનિવર્સિટી ગીત

વંદન... અભિનંદન  
તુજને વંદન... અભિનંદન  
ગુજરાત યુનિવર્સિટી આપણી  
વિદ્યા તણું તપોવન ..... યોગ: કર્મસુ કોશલમ્

ઉજ્જવલ ગુર્જર શુભ મતિ શાં  
સાબરમતીના ખોળે  
ગિરા ગુર્જરીનું ગૌરવ  
આનંદશંકરના સ્વપ્ને  
શ્રી સરદાર પટેલના આશીષ  
ગુર્જર અસ્મિતા સ્પંદન ..... યોગ: કર્મસુ કોશલમ્

હસ્તપ્રતોષી ઈન્ટરનેટ સુધી છે  
જ્ઞાનનો મહિમા  
વિદ્યા-કલા-કૌશલ્ય તણી જ્યાં  
નિખરે ગુર્જર-ગરિમા  
જ્ઞાનવૃદ્ધ જીવનજલ સિંચન  
પામે ગુર્જર ધોવન ..... યોગ: કર્મસુ કોશલમ્

ગુર્જર સંસ્કારોની સૌરભ  
વિલસે ગુર્જર સંસ્કૃતિ  
ગુર્જર ગૌરવ પ્રતીક ઉજત  
સોહે ગુજરાત યુનિવર્સિટી  
ગુર્જરવાસી વિશ્વમાનવી  
બને તોશ્રીને બંધન ..... યોગ: કર્મસુ કોશલમ્



## CONTENT

Sr. No.	Titles	Page No.
A.	University at a Glance	iv
B.	Executive Summary	vii
C.	Profile of the University	1-31
D.	<b>Criteria-wise Inputs</b>	
	Criteria - I : Curricular Aspects	32-41
	Criteria - II : Teaching - Learning and Evaluation	42-57
	Criteria - III : Research, Consultancy and Extension	58-78
	Criteria - IV : Infrastructure and Learning Resources	79-92
	Criteria - V : Students Support and Progression	93-102
	Criteria - VI : Governance & Leadership	103-118
	Criteria - VII : Innovative Practices	119-123
E.	Evaluative Reports of the Departments	124-446
F.	Declaration by the Vice-Chancellor	447



## A. University at a Glance

Established in 1949 under the Gujarat University Act, the Gujarat University is largest and oldest university of the Gujarat state. The idea of setting up the university conceived in 1940s and the seed of inceptions was laid down by **Shri Sardar Vallabhbhai Patel** under the chairmanship of **Mr. G. B. Mavlankar** in consultation with **Mr. Kasaturbhai Lalbhai** and **Acharya Anand Shankar Dhruv**.



Gujarat University is affiliating university, having more than 350 affiliated colleges, 35 post graduate departments and more than 50 affiliated post graduate centres with diversified courses in faculties of 1.Arts, 2.Commerce 3.Science, 4.Education, 5.Law, 6.Medical and 7.Dental.

The university spans over eight districts like Ahmedabad, Gandhinagar, Kheda, Anand, Vadodara, Panchamahar, Dahod, Mahisagar and two union territories. Therefore, it covers a significant geographical area of the state and

provides expressions to the educational aspiration of about 2 Crore Urban, Rural and Tribal communities of the region.

Starting with the only university in the region during the erstwhile Bombay Province, at present almost all 10 universities of the state have evolved from Gujarat University.

The glory of university is reflected in some of the eminent alumni like **Dr. Vikram Sarabhai**, **Shri Narendra Modi** (Prime Minister, India), **Dr. K. Kasturirangan** (Former Chairman, ISRO), **Dr. Ila Bhatt** (SEVA), **Justice Ahmedi** (Former Chief Justice of India), **Mr. Pankaj Patel** (CEO, Zydus Cadila), **Mr. Kharekwal** (Wockhardt), **Dr. Ravindra Dave** (Former Chairman, UNESCO) and many others.

As the paradigm shift in social political and economic policies took place from the early nineties, university has maintained pace with the changes by introducing number of programmes in emerging inter-intra disciplinary areas with promising employment opportunities which geared the evolving needs of the society at large. Some of these programmes are:

Animation, Biochemistry, Bioinformatics, Biomedical Technology, Biotechnology, Climate Change Impacts Management, Clinical Research, Food Science and Nutrition, Forensic Science, Human Genetics, Infrastructure Management Services, Information Technology, Mobile Applications & Developmental Management, Maritime Management, Creative Science, Financial Services, Performing Arts, Networking and Communication, Web Technology, Communication & Journalism, PGDIFA, PGDFMI, PGDPM, PGDCSA, PGDACCP, PGDCR, etc.

The academic capability and potential of the university is recognized by the globally reputed research organizations like PRL, ISRO, Plasma Research Institute, Entrepreneur Development Institute engaged in extended research activities of the university. The university has organized more than 200 seminar/symposium/workshop/conference/training course/conference/congress, etc. in collaboration with the state or central funding agencies.

The university has a state of art Convention Centre with three exhibition halls to cater the needs of social/academic/industrial organizations to organize academic and industrial summits and conventions.



There are about 40 ongoing major and minor research projects funded by UGC, DBT, DST, CSIR, SAC/ISRO, MoES, MHRD, GUJCOST, GSBTM, central and state government etc. in various teaching departments amounting to a total budget about Rs.700 lacs. Three Departments are facilitated under DST-FIST programme and one department is recognized as a Centre for Excellence for research by Gujarat Council on Science and Technology (GUJCOST), Gandhinagar.

**Jan Shikshan Sansthan** established before 35 years ago, provides extension social and entrepreneurship activities at community level. The Health Centre provides basic Medicare where professional specialists are invited on consultation basis. The university has introduced an innovative programme for NRI and foreign students as Study Abroad Programme (SAP) to facilitate international collaborative education.

Rollwala Computer Centre has emerged with novel self-designed programme for confidential and smooth functioning of examination related work. Timely declaration of the results and prompt awarding of mark sheet is carried out.

To address the grievances of the students, Student Information Centre is established. Women's Development Cell and Anti-Raging Cell are also constituted as per UGC guidelines.

The lush green campus of the university considered as the lung of the city-Ahmedabad in the middle of the concrete establishments.

The university faced several academic as well as administrative challenges during this journey but has been able to maintain standards of higher education and also has a perspective plan for institutional development as envisaged in the vision and mission statement of the university.



**Dr. M. N. Patel**  
The Vice Chancellor  
Gujarat University  
Ahmedabad-380009, India

## B. Executive Summary

### Strengths:

- The oldest and largest university with sincere efforts to gear up research and developmental activities maintaining the conventional stride and focused to academic excellence
- Catering the education and extension services to all sections of the urban, rural & tribal areas
- More than 3,00,000 registered regular students and about 40,000 external students are pursuing their studies
- More than 350 colleges, 62 post graduate courses, 21 recognized research centres/institutes are affiliated.
- Four departments are facilitated under DST-FIST and DRS-SAP
- Online admission process for of UG Commerce & UG Science Programmes
- Online declaration of results
- Three tier academic administration for easement of functioning
- Close, secured, ecofriendly and tobacco free campus
- Broad band high speed intranet and internet connectivity for all the buildings/classrooms/faculty rooms/laboratories/seminar halls/auditorium
- Educational Multimedia Research Centre (EMMRC) -one of the pioneer centres of the country
- Academic Staff College ranked very high amongst the other colleges
- CBCS implemented to all UG and PG programs
- State of the art Central Library and INFLIBNET centre
- Sports complex with play grounds, gymnasium and various courts for indoor and outdoor games
- Student supporting amenities on campus
- Linkages with globally reputed institutes like SAC/ISRO, PRL, IPR, BISAG, GEER foundation etc...
- Curriculums are at par with UGC guidelines
- Teaching and non-teaching staff selections are done as per UGC and state government criteria
- ASAR and PBAS based assessments implemented for teachers and staff



- SC-ST cell, WDC, students grievances cell, information centre, employment bureau, anti-raging committees are constituted as per the UGC/state government guidelines
- Academic calendar for UG and PG programmes with more than 180 teaching days is strictly observed
- Examination schedule is also followed as per academic calendar and results for all university examinations are declared in time

**Weaknesses:**

- Vacant teaching and non-teaching positions
- Students teacher ratio
- Infrastructure to meet global requirements
- Inter and intra disciplinary research activities

**Opportunities:**

- Establishment of virtual classrooms
- Enrollment of more students to meet the suggested GER by RUSA
- Multidisciplinary research laboratories/institutes
- High impact research
- Strengthen existing infrastructure to create competitive environment
- Paper less administration
- Establishment of new chairs as per UGC guidelines

**Challenges:**

- To meet required students teacher ratio
- Gearing up and simplification of the administrative processes
- To increase the gross enrollment ratio
- Strengthen the financial independence by raising corpus fund
- Uniform regulations/guidelines for Higher Payment Courses
- Recruitment of the unfilled teaching and non-teaching positions

## C. Profile of the University

### 1. Name and address of the University :

Name :	Gujarat University	
Address :	Navrangpura	
City : Ahmedabad	Pin-code: 380 009	State : Gujarat
Website : gujaratuniversity.org.in		

### 2. For Communication :

Designation	Name	Telephone with STD Code	Mobile	Fax	E-mail
Vice Chancellor	Dr.M.N. Patel	079-26301919	09978408001	079-26302654	<a href="mailto:vc@gujaratuniversity.ac.in">vc@gujaratuniversity.ac.in</a>
Pro-Vice Chancellor	Vacant	-	-	-	-
Registrar	Dr.H.C. Patel	079-26303762	09978408002	079-26306194	<a href="mailto:registrar.gu53@gmail.com">registrar.gu53@gmail.com</a>
Coordinator IQAC	Dr.R.S. Patel	079-26301310	09825523233	079-26306194	<a href="mailto:guiqac@gmail.com">guiqac@gmail.com</a>

### 3. Status of the University :

State University:√

### 4. Type of University :

Affiliating :√

**5. Source of funding :**

**Central Government :**√

**State Government:** √

**Self-Financing :**√

Any other (please specify) : √

(Financial support as Donation, Special Funding)

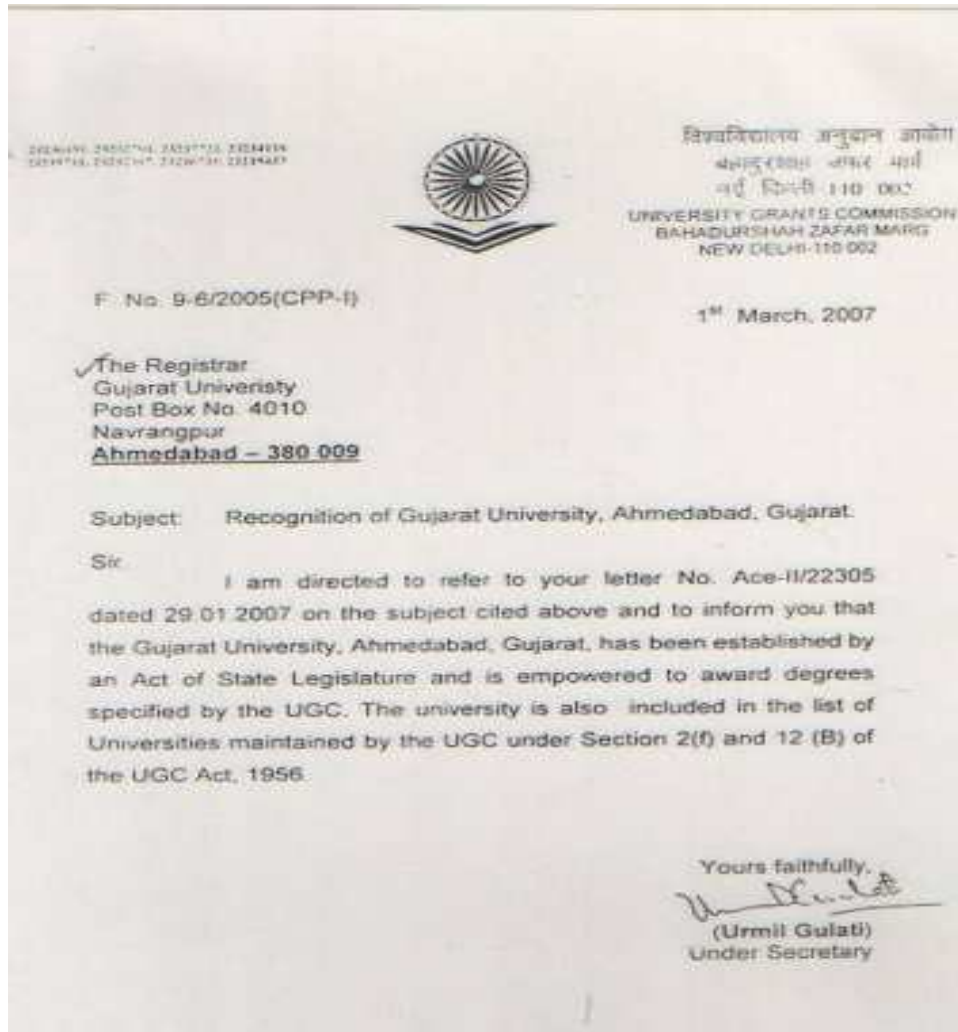
**6. A. Date of establishment of the University: 23<sup>rd</sup> November, 1949**

B. Prior to the establishment of the university, was it a/an:**Not Applicable**

**7. Date of recognition as a university by UGC or any other national agency :**

Under Section	DD	MM	YYYY	Remarks
i. 2f of UGC*	23	11	1949	University was established before the establishment of the University Grants Commission (UGC) and letter was issued on 01/03/2007 when required for NAAC.
ii. 12B of UGC*				
iii. 3 of UGC#	-	-	-	
iv. Any other ^ (specify)	-	-	-	

\* Enclosed certificate of recognition. :



# Enclosed notification of MHRD and UGC for all courses / programmes / campus / campuses.

^ Enclose certificate of recognition by any other national agency/agencies, if any.

**8. Has the university been recognized**

a. By UGC as a University with Potential for Excellence?  
Yes                      No<sup>√</sup>

If yes, date of recognition

b. For its performance by any other governmental agency?  
Yes<sup>√</sup>                      No

If yes, Name of the agency

- (i) Centre of Excellence in Supra Molecular Chemistry and Nano Materials by Gujarat Council on Science Technology (GUJCOST), Government of Gujarat, Gandhinagar, India: **Year:2004**
- (ii) Intellectual Property Right Cell (IPRCELL), Gujarat Council on Science Technology (GUJCOST), Government of Gujarat, Gandhinagar, India :  
**Year : 2007**

**9. Does the university have off-campus centres?**

Yes                                      No     ✓

If yes, date of establishment:

Date of recognition:

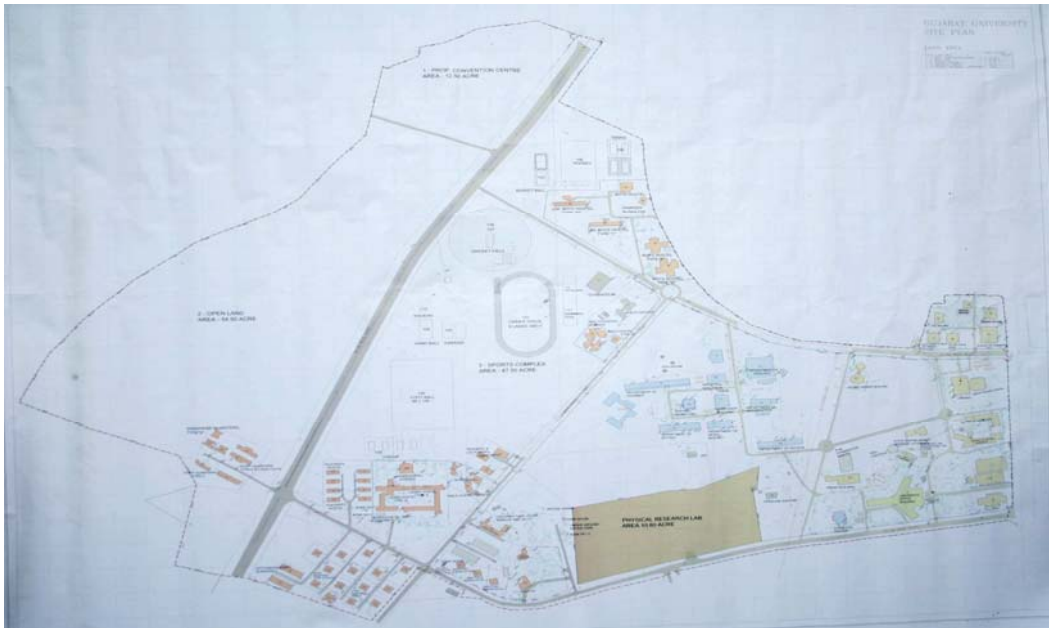
**10. Does the university have off-shore campuses?**

Yes                                      No ✓

**11. Location of the campus and area :**

	Location*	Campus are in acres	Built up area in sq. mts.
i. Main Campus Area	Navrangpura, Ahmedabad <b>Urban</b>	262 Acres.	71,756.97
ii. Other campuses in the country	-	-	-
iii. Campuses abroad	-	-	-

(\*Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)  
If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all campuses.



**Gujarat University Campus**



**Teritorial Jurisdiction of Gujarat University**

**12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.**

- Gujarat University, Ahmedabad is having huge campus linked with internal roads of 262 acres with following distinguished infrastructural facilities

**A). Auditorium/seminar complex with infrastructural facility**

Gujarat University Convention Centre

- Exhibition Hall (7000 capacity)
- Auditorium-I (2500 capacity)
- Auditorium-II (700 capacity)
- Auditorium-III (300 capacity)
- Conference Hall (50 capacity)
- Parking Lots (four wheelers and two wheelers) (400 vehicles)



**Gujarat University Convention Centre**



**Gujarat University Exhibition Centre**



**B). Amphitheater** (2000 capacity)



**C). The Senate Hall** (700 capacity)

**D). Seminar Hall/Auditorium** (100 to 180 capacity)

- University School of Commerce
- K. S. School of Business Management
- B. K. School of Business Management
- University School of Social Sciences
- Shri. Umashankar Joshi Hall, University School of Languages
- Department of Chemistry
- Department of Botany
- Department of Zoology
- Department of Physics
- Department of Microbiology
- Department of Psychology
- Department of Computer Science
- Department of Communication, Journalism & Public Relations
- University School of Law
- NRS Hall

**Seminar Hall of Various Departments**



**E). Meeting Rooms**

- IQAC
- Executive Council/Academic Council
- Board of Studies
- Educational Multimedia Media Research Centre (EMMRC)

**F). Sports/Fitness Facilities**

\* **Playground :**

- Cricket : (Clay and Season Pitches)
- Foot Ball with Goal Posts
- Basket Ball Court
- Table Tennis Court
- Squash Court
- Badminton Court
- Kho Kho Court
- Kabaddi Court

\* **Swimming pool :** No

\* **Gymnasium :** Yes, with required fitness equipment

\* Any other (please specify)

**G). Hostel (Boys/Girls)**

\* **Boys' Hostel :**

- i. Number of Hostels: 06
- ii. Number of inmates: 558
- iii. Facilities :

(In room) Bed, Table, Chair, Cup Board, Fan & Lights,  
(Common) Colour TV Room, Water Cooler & R.O. water system, Sanitation Facilities, Water Geezer, Mess, Canteen, Sports Equipment's room, Paid Laundry, Library, Security, New Papers & Magazines, Telephone

\* **Girls' Hostel :**

- i. Number of Hostels :03
- ii. Number of inmates :196
- iii. Facilities :

(In room) Bed, Table, Chair, Cup Board, Fan & Lights,  
(Common) Colour TV Room, Water Cooler & R.O. water system, Sanitation Facilities, Water Geezer, Mess, Canteen, Sports Equipment's room, Paid Laundry, Library, Security, New Papers & Magazines, Telephone



\* **Working women's hostel :No**

- i. Number of hostels
- ii. Number of inmates
- iii. Facilities

**H). Residential facilities for faculty and no-teaching**

Sr. No.	Quarters Name	No. of Quarters
1.	Vice Chancellor Bungalow	01
2.	Registrar Bungalow	01
<b>Teaching</b>		
3.	Director Bungalow	03
4.	Readers Raw House	16
5.	Readers Flat	06
6.	Lecturers Raw House	16
7.	Lecturers Flat	12
8.	Teachers Quarters	48
9.	Chief Warden BungalowBoys	01
10.	B – Type Quarters	26
<b>Non – Teaching</b>		
11.	RMO Bungalow	01
12.	C – Type Flat	12
13.	C – Type Raw House	10
14.	D – Type Raw House	12
15.	D – Type Flat	36
16.	Asst. Warden BungalowBoys	02
17.	Warden Bungalow Ladies	01
18.	Servant Quarters	04
19.	Sweeper's Flat	12
20.	Health Centre Servant Quarters	03

**I). Cafeteria: Yes (3)**

Students and Faculty  
Coffee Shop and Tea Stall  
Dairy/Ice Cream Parlour





**J). Health Centre:**

Nature of facilities available - inpatient, outpatient, ambulance, emergency care facility, etc.

- Health Centre with expert consultation, X-Ray, ECG
- Pathological Investigations, Free medication
- Honorary services of Specialist and super specialists doctors Physician, Pediatrician, Ophthalmologist, Pathologist, ENT Surgeon, Radiologist, Psychiatrist, Gynecologist and Obstetrician, Orthopedic, Physiotherapist, Dermatologist





**K). Supportive Facilities:**

- State Bank of India (SBI), Gujarat University Branch
- Post Office, Gujarat University Branch
- Consumer Store
- Police Station, Gujarat University Area
- Dairy/Ice Cream Parlour
- Coffee Shop
- Provision Stores
- Flore Mill/Grain Shop
- Employment Bureau
- Examination Building (ParikshaBhavan)



**L). Transport facilities to cater to the needs of the students and staff. :** No

**M). Facilities for persons with disabilities**

- Walk RAMP's at majority of the department and main building
- Reader / Writer facilities, if required

**N). Animal House:**Department of Zoology

- Incinerator for Laboratories :
- Power House: As our city does not observe any power cuts it is not required.
- Waste Management facility : Yes

University is coordinating waste management with Municipal Corporation for laboratory, domestic and other solid waste disposal

**13. Number of institutions affiliated to the university**

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	144	122	22
Law	10	09	01
Medicine	44	08	36
Engineering	04	-	04
Education	127	16	111
Management	15	05	10
Other (specify and provide details)	13	06	07

**14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.**

Yes√

No

Number:01



**15. Furnish the following information :**

<b>Particulars</b>	<b>Number</b>	<b>Number of Students</b>
a. University Departments		
Undergraduate	-	-
Post Graduate	62	2218
Research centres on the campus	38	-
b. Constituent Colleges	01	-
c. Affiliated Colleges	357	485782
d. Colleges under 2(f)	16	-
e. Colleges under 2(f) and 12B	146	-
f. NAAC accredited colleges	-	-
g. Colleges with Potential for Excellence (UGC)	-	-
h. Autonomous Colleges	01	-
i. Colleges with Postgraduate Departments	120	8899
j. Colleges with Research Departments	07	-
k. University recognized Research Institutes / Centres	21	-

**16. Does the university conform to the specification of Degrees as enlisted by the UGC?**Yes        No**17. Academic programmes offered by the university departments at present, under the following categories : (Enclosed the list of academic programmes offered)**

<b>Programmes</b>	<b>Number</b>
U.G. (affiliated)	158
P.G.	293
Integrated Masters	05
M.Phil.	85
Ph.D.	67
Integrated Ph.D.	---
Certificate	22
Diploma	20
P.G. Diploma	22
Any other (please specify)	27
<b>Total</b>	<b>695</b>

**List of the Programmes offered:**

<b>Sr. No.</b>	<b>Degree</b>	<b>Subjects</b>
<b>UG Courses (affiliated colleges)</b>		
1.	B.A.	Economics, English, Geography, Gujarati, Hindi, History, Persian & Urdu, Philosophy, Political Science, Psychology, Sanskrit, Sociology.
2.	B.Com	Accounting & Finance, Marketing & Finance, Statistics & Finance, International Business & Banking, Accounting & Auditing.
3.	B. Sc.	Biochemistry, Biotechnology, Botany, Chemistry, Computer Science, Fire and Safety, fashion Designing, Electronics Science, Environmental Science, Mathematics, Microbiology, Physics, Statistics, Zoology
4.	B.B.A.	
5.	B.C.A.	
6	B.Ed.	
7	LL.B.	
8	Medical and Paramedical courses	
<b>PG Courses</b>		
1.	M.A.	Economics, English, Geography, Gujarati, Hindi, History, Linguistics, Persian & Urdu, Philosophy, Political Science, Prakrit / Pali, Psychology, Sanskrit, Sociology.
2.	M.Com.	Accounting & Finance, Marketing & Finance, Statistics & Finance, International Business & Banking, Accounting & Auditing.

3.	M.Sc.	Animation, Bio Chemistry, Bio Informatics, Bio Medical Technology, Bio Technology, Botany, Chemistry, Climate Change Impact Management, Clinical Research, Computer Science, Electronics Science, Environmental Science, Food Science & Nutrition, Forensic Science, Human Genetics, I.T.I.M.S.(Infrastructure Management Services), Information Technology, Life Science, Mathematics, Microbiology, Mobile Application & Development, Physics, Statistics, Zoology, Computer Application and Information Technology
4.	M.Ed.	Education
5.	LL.M.	Law
6.	M.B.A.	Management (Full time), Management (Evening), Maritime Management, Creative Science (Creative Management), Financial Service, Integrated MBA
7.	M.C.A.	Computer Science
8.	M.D.C.	Development Communication
9.	M.L.W.	Labour Welfare
10.	M.P.A.	Performing Arts
11.	M.P.E.	Physical Education
12.	M. Lib.	Library of Information Science

13.	M.Phil.	Account, Bioinformatics, Botany, Chemistry, Climate Change Impact Management, Education, Economics, English, Gujarati, Hindi, History, Human Genetics, Indian Diaspora, Life Science, Management, Mathematics, Microbiology, Philosophy, Physical Education, Physics, Political Science, Psychology, Sanskrit, Sociology, Statistics, Zoology.
14.	Ph.D.	Account, Management, Bio Chemistry, Bio Informatics, Bio Technology, Botany, Chemistry, Climate Change Impact Management, Communication & Journalism, Computer Science, Economics, Education, Electronics Science, English, Environmental Science, Forensic Science, Geography, Gujarati, Hindi, History, Human Genetics, Labour Welfare, Law, Life Science, Linguistics, Management, Mathematics, Microbiology, Philosophy, Physical education, Physics, Political Science, Prakrit / Pali, Psychology, Sanskrit, Sociology, Statistics, Zoology.
15.	M.Tech.	Networking and Communication, Web Technology
16.	M.M.C.J.	Communication and Journalism
17.	P.G.D.I.F.A.	Investment and Financial Analysis
18.	P.G.D.F.M.I.	Financial Markets and Insurance
19.	P.G.D.P.M.	Pharmaceutical Management
20.	P.G.D.C.S.A.	Computer Science and Application
21.	P.G.D.A.C.C.P.	
22.	P.G.D.C.R.	Clinical Research
23.	P.G.D.A.C.R.	Advanced Clinical Research

24.	P.G.D.C.T.M.	
25.	P.G.D.R.A.	Regulatory Affairs
26.	P.G.C.C.	Prakrit
27.	P.G.D.N.A.	Networking Administration Computer Science
28.	P.G.D.L.	Linguistics
29.	P.G.D.C.P.	Counseling Psychology,
30.	P.G.D.I.P.R.	Forensic Science (Questioned Document & Handwriting & Finger Print & Impression Examination) (Criminology) Intellectual Property Right
31.	P.G.D.M.A.	Business Management Administration
32.	P.G.D.P.T.C.	Plant Tissue Culture
33.	P.G.D.B.M.	Biodiversity Management
34.	Certificate	<b>Foreign Languages</b> Arabic, Chinese, French, German, Russian, Spanish
35.	Integrated	Mobile Application Development, IT Infrastructure Management Service, IT Information Security Management Services, IT storage Cloud Technology

**18. Number of working days during the last academic year. : 220**

**19. Number of teaching days during the past four academic years.**

Years	2010 – 2011	2011 - 2012	2012 - 2013	2013 - 2014
<b>PG</b>	219	210	220	220
<b>UG</b>	183	186	186	217

(Teaching days means days on which actual classes/internal examinations were programmed.University Examination days are not included)

**20. Does the university have a Department of Teacher Education? : M. Ed.**

Yes  No

If Yes,

a. Year of establishment : June, 1964

b. NCTE recognition details (if applicable)

Notification No:WRC/2-32/325002/77/2005/7449

Date : 16.09.2005

c. Is the department opting for assessment and accreditation separately?

Yes  No

**21. Does the university have a teaching Department of Physical Education? :**

M.P.E.

Yes  No

If Yes,

a. Year of establishment : June, 1986

b. NCTE recognition details (if applicable) : Yet to obtained

Notification No. :

Date :

c. Is the department opting for assessment and accreditation separately?

Yes No

**22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?**

Yes No

If yes, please enclose approval/recognition details issued by the statutory body governing the programme.

**23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.**

Yes, requested to the Knowledge Consortium of Gujarat (KCG)

**24. Number of positions in the university**

Positions	Teaching faculty			Non-Teaching Staff	Technical Staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC / University / State Government	35	76	88	586	102
Recruited	08	32	62		
Yet to recruit	27	44	26		
Number of persons working on contract basis	-	-	-	-	-

**25. Qualifications of the teaching staff**

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers + Teaching Research associates (TRA)</b>							
D.Sc./D.Lit.	-	-	-	-	-	-	-
Ph.D.	14	14	32	19	11+1	7+1	97+2
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	1+1	1+1	2+2
<b>Temporary Teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
<b>Part - Time Teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-



**26. Emeritus, Adjunct and Visiting Professors.**

	<b>Emeritus</b>	<b>Adjunct</b>	<b>Visiting</b>
<b>Numbers</b>	-	-	278*

\* Guest Faculties

**27. Chairs instituted by the University :**

<b>School/Department</b>	<b>Chairs</b>
Sociology	Dr.BabasahebAmbedkar Chairs
KADAMB	Swami Vivekanand Chair - Applied

**28. Students enrolled in the university departments during the current academic year, with the following details :**

<b>Students</b>	<b>UG</b>	<b>PG</b>	<b>Integ rated Mast ers</b>	<b>M. Phil.</b>	<b>Ph. D.</b>	<b>Integ rated Ph.D.</b>	<b>D. Litt./ D.Sc.</b>	<b>Cert ifica te</b>	<b>Dipl oma</b>	<b>PG Diplo ma</b>
	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F
From the state where the university is located	-	4129 6261	-	101 144	150 170	-	-	-	-	-
From other states of India	-	-	-	-	-	-	-	-	-	-
NRI students	-	-	-	-	-	-	-	-	-	-
Foreign students	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	11194	-	-	-	-	-	-	-	-

\*M - Male \*F - Female

**29. 'Unit cost' of education**

(Unit cost=total annual recurring expenditure (actual) divided by total number of students enrolled)

- (a) Including the salary component = Rs. 69,855.00
- (b) Excluding the salary component =Rs. 61,641.00

**30. Academic Staff College**

- Year of establishment :1987
- Number of programmes conducted (with duration)
  - \* UGC Orientation : 18 (4 Weeks)
  - \* UGC Refresher : 29 (3 Weeks)
  - \* University's own programmes : 23 (1 to 4 Weeks)

**31. Does the university offer Distance Education Programmes (DEP)?**

Yes No

If yes, indicate the number of programmes offered.

Are they recognized by the Distance Education Council?

**32. Does the university have a provision for external registration of students?**

Yes  No

If yes, how many students avail of this provision annually?

External mode: B.A., M.A., B.Com., M.Com

About 40,000 students: as external students

**33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name of cycle.**

Accreditation: Cycle 1 **Cycle 2** Cycle 3 Cycle 4

Re-Assessment:

**34. Date of accreditation\***

(applicable for Cycle2, Cycle3, Cycle4 and re-assessment only)

Cycle 1: March, 2007,

Accreditation outcome/Result: B++ Grade Point (83.1)

Cycle 2: Applied for, Accreditation outcome/Result .....

\* Kindly enclosed copy of accreditation certificate(s) and peer team report(s)





**राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद**  
 विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
 An Autonomous Institution of the University Grants Commission

## Quality Profile

*Name of the Institution* : Gujarat University  
*Place* : Navrangpura, Ahmedabad, Gujarat

Criterion	Weightage (W.)	Criterion Score (C.)
I. Curricular Aspects	150	128
II. Teaching-Learning and Evaluation	250	223
III. Research, Consultancy and Extension	150	110
IV. Infrastructure and Learning Resources	150	128
V. Student Support and Progression	100	88
VI. Organization and Management	100	75
VII. Healthy Practices	100	79
<b>Total</b>	<b>ΣW = 1000</b>	<b>ΣC = 831</b>

$$\text{Institutional Score} = \frac{\Sigma C}{\Sigma W} \times 100 = \frac{831}{1000} \times 100 = 83.10$$

*Date* : March 31, 2007

*K. K. K.*  
Director

March 31, 2007 / 082

## Peer Team Report of Gujarat University - 2007

### Section III - OVERALL ANALYSIS

Gujarat University, Ahmedabad is the biggest and oldest University of the State of Gujarat. It has a vast geographical area comprising eight districts under its jurisdiction. The University has been thriving hard to achieve excellence in Higher education and research during last 57 years of its existence. Keeping pace with social, economic and political transformations the University has introduced a number of programmes in emerging areas. The University definitely has several positive strengths but at the same time there are areas where follow up action is required. In this background the NAAC Peer Team makes following commendations and suggestions:

#### Commendations

Introduction of several job oriented courses like Biotechnology, Environmental Science, Bioinformatics and Forensic Science.

Initiating innovative courses like M.Com (integrated), Certificate course in Taxation, Diploma in Financial Markets and Insurance, Port Management and Diploma in IPR.

A good library with more than 3.3 lakh books and INFLIBNET Centre with open Access facility.

Central planning of academic activities in the form of Academic Calendar.

Qualified faculty. 83% of faculty possesses Ph.D. degree.

36 major and minor ongoing projects with a total capital outlay of Rs. 3,29,48,109

The University departments are receiving financial support for research under UGC-SAP, DST-FIST, COSIST and GUJCOST-Center for Excellence.

Providing full support to teachers for participating in National and International level seminar, conferences and workshops.

Some Departments are providing consultancy services.

There is a Indo-Japan students exchange programme for cultural exchange.

Linkages have been established with industry, institutions, GOs and NGOs and other Universities.

James Reney Canadian Centre actively engaged in research and conducting seminars.

Residential facility for teaching and non-teaching staff is prevailing in the University.

Well-equipped hostels for both boys and girls with mess facility.

The University has EDUSAT and EMRC Centers.

The University has an ambitious plan for a Conventional Centre equipped with all modern facilities. Recently the University has received the UGC concurrence for modernization of Examination Centre, Ladies Hostel and Seminar Hall.

Catering higher education to all sections of society without discrimination of caste, creed, sex and economic status.

Active role of Women Development Cell for women empowerment.

Many departments of Science have modernized laboratories for promotion of research and teaching.

The University has revived the publication of its Journal “Vidya”.

The University employees get 100% medical reimbursement.

The University has produced illustrious alumni.

### **Suggestions :**

The university may take more efforts in building linkages with its affiliated colleges.

The University may establish a College Development Council at the earliest.

Some departments may be encouraged for R&D activities. Inter/multidisciplinary research may be given more thrust.

More number of departments may establish collaborative linkages with national and international institutes for research and teaching.

The university may introduce courses in Integrated Coastal Zone Management, Disaster Management, Food Processing & Preservation, Clinical Biotechnology, Financial Risk Analysis and Management, Comparative Religion, Comparative Literature, Tourism & Management etc.

The university may introduce remedial courses for disadvantaged students and special courses for advanced learners.

The university may also introduce some bridge courses. Periodical revision of syllabi needs to be done for all courses taking into account the changes in the subject.

The university needs to further enhance its central computer facility besides what is available in Rollwala Centre.

Campus networking may be given topmost priority as a sustainable development strategy.

The university may establish a Grievance Redressal Cell and a Placement Cell.

The university may introduce good mechanisms for appraisal of both the teaching and the non-teaching staff.

The university may also introduce the Internal Academic and administrative Audit System.

Humanities and Social Science departments need to augment their research activities and innovation in teaching.

The vacant faculty positions need to be filled immediately.

System of students' feedback on teacher's performance, programme options and campus experience need to be introduced.

Alumni Association of the University need to be formally established and activated through which the alumni may be motivated to come forward and become a part of the University's development process.

Selected affiliated colleges may be encouraged to seek autonomous status.

More and more departments may be motivated to submit research projects proposals to DST, UGC and other funding agencies.

A University Industry Interaction Cell and IPR Cell may be set up in the University.

Separate Boards of Studies may be established for UG and PG courses.

The University while follow norms laid down by UGC with regard to appointment of Registrar and other academic staff, it should also follow the pay scales approved by UGC.

The University should take maximum benefit of resources of INFLIBNET which happens to be located in its campus. Mutual co-operation between two institutions will benefit all stake holders.

Financial and academic planning practices in place need to be thoroughly revised. University departments including self-financing courses may be encouraged to prepare and spend independent budgets.

Total computerization of all administration and student related activities may be done. Functional autonomy may be given to University departments regarding introduction and revision of programmes.

Mentoring system may be introduced for student welfare.

Efforts for resource mobilization may be expedited by adopting innovative approaches. Modern equipments in laboratories and use of advanced teaching aids like LCD projectors etc. are desirable.

Capacity of boys and girls hostels needs to be enhanced.

Demand of students to introduce following courses may be considered:

Research degrees in Physical Education, Biochemistry, Journalism, Geography, Psychology, etc.

New courses in Persian & Arabic languages, Drawing, Sculpture & Commercial Art, Environmental Audit, Applied Psychology, Wild Life, Fisheries and Nano Technology.

More eligible teachers may be recognized as Research guides to promote research activity.

Introduction of choice based Credit System is highly desirable.

The University may make flexible mechanism for execution of sanctioned research projects to teachers for encouragement of research culture.

Student feedback and participation may be encouraged at all levels.

Provision to facilitate physically challenged students, employees on campus may be made by modifying the infrastructure as per Government of India norms.

The functioning of University Science & Instrumentation Centre, need to be reactivated by augmenting the facilities and it may move to UGC for further grants.



For all the self-financing courses, full time coordinators and faculty members either on contract or tenure basis may be appointed.

The University may take flexible outlook in recognizing teachers as Research Guides to promote research.

The University may also introduce academic audit system.

The University may prepare a perspective plan including academic, financial and infrastructure expansion projected for the next five years.

The Chairman and members of the Peer Team express their special thanks and place on record their deep sense of appreciation to the Vice-Chancellor for his commitment and leadership and also for his helpful co-operation in completing the assessment exercise.

The Peer Team also places on record its appreciation and expresses its thanks to the Registrar, Steering Committee members, teaching and non-teaching staff, students, alumni, parents and principals of the affiliated Colleges for their wholehearted cooperation in facilitating the process of assessment and accreditation. The team wishes a bright future to the University.

#### **Committee Members:**

1. Prof. Ananda Deb Mukhopadhyay - Chairperson
2. Prof. IndraniChakravarthi - Member
3. Prof. M.C. Agrawal - Member
4. Prof. S. Kuppuswami- Member
5. Prof. V. Venkaiah – Member
6. Dr. JagannathPatil- Dy. Advisor, NAAC Coordinator

**35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.**

- Revised record under preparation for uploading on website.

**36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).**

IQAC	12.10.2007		
AQAR	(i)	2007-2008	Date : 07.05.2009
	(ii)	2008-2009	Date : 11.10.2011
	(iii)	2009-2010	Date : 19.12.2011
	(iv)	2010-2011	Date : 10.01.2012
	(v)	2011-2012	Date : 17.09.2014
	(vi)	2012-2013	Date : 17.09.2014
	(vii)	2013-2014	Date : 17.09.2014

**37. Any other relevant data, the university would like to include** (not exceeding one page).

- **On line Admission:** UG-Commerce, UG-Science, PG-Chemistry, PG-Education admissions are coordinated online
- **E-Tendering for procurement:** It is mandatory for any purchase/tender/auction more than Rs. 5,00,000/- (Five Lac)
- **Online Recruitment Applications submission:** University officer's positions were advertised, receiving of applications and interview calls were delivered through e-resources
- **GURU Vani - University FM Radio Station:** Multi-disciplinary knowledge driven content is shared on contemporary and recent issues
- **Educational Multimedia Research Centre (EMMRC):** More than 1500 short films and 200 e-contents for on-line learning on various subjects
- **Diagnostic Centre for Chromosomal Analysis:** Chromosomal study and analysis is done for confirmation of aberrations, if any.
- **Central Computer Laboratory:** Central Computer laboratory with more than 400 computers and high speed internet facility
- **Computer On Wheels (COW):** One mobile bus is designed and utilized for study of computer with concession for people who does not afford computer education
- **Jan SikshanSansthan:** Entrepreneurship is encouraged at this centre for self-employment and establishment of small scale enterprise. Hon. Fr. President Dr. A.P.J. Abdul Kalam accompanied by then Chief Minister and today's Prime Minister Mr. NarendraModi, with his fellow ministers in the cabinet and now Chief Minister Mrs. Anandiben Patel, visited JSS.

- **Employment Exchange Bureau:** Working with employment department, Government of Gujarat, Gandhinagar for registration of unemployed PG student.
- **Yogic Science Department:** Popularization of Yoga for in service employees and other sections of society
- **Newly constructed Boy's Hostel:** University has provided necessary land for construction of boys hostel blocks for more than 1000 students specially from SC/ST category
- **James Reaney Canadian Centre:** working for collaborative international programmes
- **GUJCOST IPR Cell:** Special cell is coordinated by Department of Botany and Gujarat Council on Science and Technology for IPR related awareness and practices
- **Gujarat University Botanicals Society:** A society for extra-curricular activities and organization of scientific events
- **We 4 Nature:** A working group for entrepreneurs
- **Woman's Development Council:** Working for woman empowerment and competency

## **D. Criteria wise Inputs**

## CRITERION I : CURRICULAR ASPECTS

### 1.1 Curriculum Design and Development

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

- Introduction of new courses with focus on new horizons of knowledge and quality, leading to enhance employability
- Revision of existing syllabi geared towards innovative teaching and research practices
- Encouraging advanced and applied research for promotion of inter and intra university collaboration.

1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.). :**Yes**

- The university design most of its courses in accordance to the UGC Guidelines time to time
- All courses are framed by Board of Studies, Academic Council & Executive Council.
- Need based assessment at regular intervals is encouraged.
- Feedback for new and existing courses is obtained from experts, learned alumina, industries, scientists, professionals and students too.

1.1.3 How are the following aspects ensured through curriculum design and development?

- **Employability:** experiment, excursion, field work, project, practical, dissertation, study tour and exposure to real life situation.
- **Innovation:** Introduction of new courses focused on frontiers of newer knowledge and need of a time.
- **Research:** Participation in academic events, training courses, field work, project, seminars, dissertation, etc...

1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?

- UGC Guidelines are observed for structuring the programmes, framing the syllabi, and has introduced environmental studies at Under Graduate Level.
- Animal dissection has been banned.
- Attempts have been made for Choice Based Credit System to conform the Syllabi to that of NET.

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

- Interaction with nationally and internationally renowned universities, research institutions, scientists, learned alumni and experts is established
- Regular organization of academic events like seminar, symposium, conference, training programme, debate, quizzes, exhibitions provides maximum opportunities to interact with civil society and concern stakeholders.

1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

- A team of academic representatives and experts with technical skills visits affiliated colleges/institutes to guide them for minimum requirement for introduction of contemporary as well as newly emerged courses.
- Encouragement by orienting these colleges/institutes, how funding agencies and other financial assistance can be obtained for successful coordination of such highly sophisticated programmes at UG/PG/diploma/certificate level.
- Popularization of specific discipline in context to trend, employability and future demand.

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

- University encourages colleges to offer such programmes under the SCOPE and COP Umbrella.

Examples,

Sr. No.	Name of the College / Institute	Faculty	Subjects
1.	H.A. College of Commerce, Ahmedabad	Commerce	Insurance, Foreign Exchange, Share Capital Management
2.	Shri. R. P. Arts, Shri.K.B.Commerce and Smt.B.C.J. College of Science, Khambhat	Commerce	Advance Diploma in Office management
3.	Smt. L & C Mehta Arts College, Ahmedabad	Arts	Psychological Counselling and Mental Health
4.	Kheda Arts & Commerce College, Kheda	Commerce	Diploma in Office Automation and Computer Application in Business
5.	Navjivan Science College, Dahod	Science	Computer Programming and Utilization, Pharmaceutical Chemistry, Microbial Biotechnology

## 1.2 Academic Flexibility

### 1.2.1 Furnish the inventory for the following :

\* Programmes taught on campus

Sr. No.	Degree	Subjects
1.	M.A.	Economics, English, Geography, Gujarati, Hindi, History, Linguistics, Persian & Urdu, Philosophy, Political Science, Prakrit / Pali, Psychology, Sanskrit, Sociology.
2.	M.Com.	Accounting & Finance, Marketing & Finance, Statistics & Finance, International Business & Banking, Accounting & Auditing.
3.	M.Sc.	Animation, Biochemistry, Bioinformatics, Biomedical Technology, Biotechnology, Botany, Chemistry, Climate Change Impact Management, Clinical Research, Computer Science, Electronics Science, Environmental Science, Food Science & Nutrition, Forensic Science, Human Genetics, I.T.I.M.S.(Infrastructure Management Services), Information Technology, Life Science, Mathematics, Microbiology, Mobile Application & Development, Physics, Statistics, Zoology, Computer Application and Information Technology
4.	M.Ed.	Education
5.	L.L.M.	Law
6.	M.B.A.	Management (Full time), Management (Evening), Maritime Management, Creative Science (Creative Management), Financial Service, Integrated M.B.A.
7.	M.C.A.	Computer Science
8.	M.D.C.	Centre For Development Communication
9.	M.L.W.	Labour Welfare
10.	M.P.A.	Performing Arts
11.	M.P.E.	Physical Education
12.	M. Lib.	Library of Information Science
13.	M.Phil.	Account, Bio Informatics, Botany, Chemistry, Climate Change Impact Management, Education,



		Economics, English, Gujarati, Hindi, History, Human Genetics, Indian Diaspora, Life Science, Management, Mathematics, Microbiology, Philosophy, Physical Education, Physics, Political Science, Psychology, Sanskrit, Sociology, Statistics, Zoology.
14.	Ph.D.	Account, Management, Bio Chemistry, Bio Informatics, Bio Technology, Botany, Chemistry, Climate Change Impact Management, Communication & Journalism, Computer Science, Economics, Education, Electronics Science, English, Environmental Science, Forensic Science, Geography, Gujarati, Hindi, History, Human Genetics, Labour Welfare, Law, Life Science, Linguistics, Management, Mathematics, Microbiology, Philosophy, Physical education, Physics, Political Science, Prakrit / Pali, Psychology, Sanskrit, Sociology, Statistics, Zoology.
15.	M.Tech.	Networking and Communication, Web Technology
16.	M.M.C.J.	Communication and Journalism
17.	P.G.D.I.F.A.	Investment and Financial Analysis
18.	P.G.D.F.M.I.	Financial Markets and Insurance
19.	P.G.D.P.M.	
20.	P.G.D.C.S.A.	Computer Science and Application
21.	P.G.D.A.C.C.P	
22.	P.G.D.C.R.	Clinical Research
23.	P.G.D.A.C.R.	Advanced Clinical Research
24.	P.G.D.C.T.M.	
25.	P.G.D.R.A.	
26.	P.G.C.C.	Prakrit
27.	P.G.D.N.A.	Networking Administration Computer Science
28.	P.G.D.L.	Linguistics
29.	P.G.D.C.P.	Counseling Psychology,
30.	P.G.D.I.P.R.	Forensic Science (Questioned Document and Handwriting and Finger Print and Impression Examination) (Criminology) Intellectual Property Right

31.	P.G.D.M.A.	Business Management Administration
32.	P.G.D.P.T.C.	Plant Tissue Culture
33.	P.G.D.B.M.	Biodiversity Management
34.	Certificate	<b>Foreign Languages</b> Arabic, Chinese, French, German, Russian, Spanish
35.	Integrated	Mobile Application Development, IT Infrastructure Management Service, IT Information Security Management Services, IT storage Cloud Technology

\* Overseas programmes offered on campus: Nil

\* Programmes available for colleges to choose from

- B.A., B.Com, B. Sc., M. A., M. Com., M. Sc. (Chemistry), B.B.A., B.C.A., B. Ed., L.L.B.. Medical, Dental and Paramedical courses

### 1.2.2 Give details on the following provisions with reference to academic flexibility

#### a. Core / Elective options

- Core Elective options are available in almost all Under Graduate and Post Graduate programmes

#### b. Enrichment courses

- At Under Graduate level skill and knowledge enhancement courses offered in all most all programmes as foundation and soft skill courses.

#### c. Courses offered in modular form

- Courses in modular form are not provided however each course is further divided in to four progressive units.

#### d. Credit accumulation and transfer facility

- Credits earned are allowed to be accumulated till the completion of the degree.
- Credit transfers is also allowed for all programmes provided the transfer is from a similarly structure programme conforming to eligibility norms.

#### e. Lateral and vertical mobility within and across programmes, courses and disciplines restricted lateral mobility is allowed within some Programme.

- Vertical mobility is allowed within the faculty.

### 1.2.3 Does the university have an explicit policy and strategy for attracting international students?

- University has established a Study Abroad Programme which actively promotes University program amongst international students through institutions like ICCR and Ed.CIL.

- It offers specially tailored programmes for NRI's and foreign student has provisions of students to spend a semester with credit transfer to their parent institution.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

- The India courses in 8 fields have been designed for foreign students. They are of three weeks, ten weeks and a semester long. They are pretty successful. Apart from these all regular research programme are also offered to foreign students.
- At present there are 196 foreign students from 18 countries. Two exchange programmes are also active.
- Since 2006 foreign students are availing these programmes and credits have been transferred to their universities.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

- Students are allowed to pursue diploma courses along with PG degrees.

Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Self-financing programmes are now recognized as “**Higher Payment Programmes (HPP)**”

• **List of Higher Payment Programmes (HPP):**

Sr. No.	Degree	Subjects
1.	M.Sc.	Animation, Biochemistry, Bioinformatics, Biomedical Technology, Biotechnology, Climate Change Impact Management, Clinical Research, Food Science and Nutrition, Forensic Science, Human Genetics, Infrastructure Management Services, Information Technology, Mobile Application and Development, Computer Applications and Information Technology
2.	M.B.A.	Management (Full time), Management (Evening), Maritime Management, Creative Science, Financial Service, Integrated M.B.A
3.	M.P.A.	Performing Arts
4.	M.Phil.	Bioinformatics, Climate Change Impact Management, Human Genetics, Indian Diaspora, Management,

5.	Ph.D.	Biochemistry, Bioinformatics, Climate Change Impact Management, Communication and Journalism, Forensic Science, Human Genetics
6.	M.Tech.	Networking and Communication, Web Technology
7.	P.G.D.I.F.A.	Investment and Financial Analysis
8.	P.G.D.F.M.I.	Financial Markets and Insurance
9.	P.G.D.P.M.	
10.	P.G.D.C.S.A.	Computer Science and Application
11.	P.G.D.A.C.C.P.	
12.	P.G.D.C.R.	Clinical Research
13.	P.G.D.A.C.R.	Advanced Clinical Research
14.	P.G.D.C.T.M.	
15.	P.G.D.R.A.	Regulatory Affairs
16.	P.G.C.C.	Prakrit
17.	P.G.D.N.A.	Networking Administration Computer Science
18.	P.G.D.L.	Linguistics
19.	P.G.D.C.P.	Counselling Psychology
20.	P.G.D.I.P.R.	Forensic Science (Questioned Document and Handwriting and Finger Print and Impression Examination) (Criminology) Intellectual Property Right
21.	P.G.D.M.A.	Business Management Administration
22.	P.G.D.P.T.C.	Plant Tissue Culture
23.	P.G.D.B.M.	Biodiversity Management
24.	Certificate	<b>Foreign Languages</b> Arabic, Chinese, French, German, Russian, Spanish
25.	Integrated	Mobile Application Development, IT Infrastructure Management Service, IT Information Security Management Services, IT storage Cloud Technology

- Admissions are as per university rules.
- Fees structure is independent for every programme.
- Experts, Scientists, Professionals are consulted and invited for teaching and research collaboration
- Administrative and teaching staffs are on honorary/temporary/visiting basis.

1.2.6 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.

- Conditional provision of shift with observation of required norms is allowed to registered students from regular to external mode.

- 1.2.8 Has the university adopted the Choice Based Credit System (CBCS)?  
If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?
- CBCS was introduced in semester mode for all the programmes in 2010-11 and all the affiliated colleges also follow the same.
- 1.2.9 What percentage of programmes offered by the university follow:
- Semester system : 100% (Except Medical and paramedical)
- 1.2.10 How does the university promote inter- disciplinary programmes?  
Name a few programmes and comment on their outcome.
- Forensic Science, Indian Diaspora, Bioinformatics, Bio chemistry, Human Genetics, Biotechnology, Climate Change Impacts Management, Mobile Technology are some of the inter disciplinary programmes.
  - The employment/placement opportunities are excellent in these programmes.
  - Within the stipulated frame work of M.Phil. & Ph.D. Ordinance interdisciplinary research is encouraged.

### 1.3 Curriculum Enrichment

- 1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?
- There is a provision for revision of all syllabi at every three years or earlier if required.
  - Review of syllabi took place prior to revision.
  - 10% revisions are made annually in consultation.
- 1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

Years	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014
<b>No. of Courses</b>	35	12	32	-

\* Inter-disciplinary : 27

\* programmes in emerging areas : 08

**Total: 35**

- 1.3.3 What are the strategies adopted for the revision of the existing programmes?  
What percentage of courses underwent a syllabus revision?
- Semester system is introduced for all the programmes
  - Review and revision is completed for all the programmes and courses during last 6 years.

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

- Compulsory component of Environmental Studies, Foundation Courses and Soft Skill courses in built for every Under Graduate Programme, consequently all students have access to them.
- Advance Post Graduate Diploma/PG Diploma/Certificate Courses offered are value-added courses.
- These courses are open to all, subject to the eligibility.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

- At Under Graduate level affiliated colleges offers several Career Oriented Programmes
- These programmes are mostly introduced keeping in view the individual/local needs.

## 1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

- The IQAC obtain feedback from students on curriculum periodically which is utilized for introduction of experiments and syllabus revision.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

- Regular organization of national/international seminar, symposium, conferences, training courses, etc. allows faculties and students to improve upon presentation, experimental skills and other research based protocols.
- Online discussions are made by attending webinars and video conferences.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

- Faculty members of affiliated institutions are essential part of all subjects Board of Studies.
- They contribute to curriculum development through special meetings and interactions.

1.4.4 What is the quality sustenance and quality enhancement measure undertaken by the university in ensuring the effective development of the curricula?

- The University has introduced several new programmes at regular intervals. Existing programmes are periodically examined and emended for quality sustenance and enhancement.

- State as well as national level syllabi and examination pattern of NET, SLET, GATE, GPSC, TAT etc... are monitored regularly for enrichment of the syllabi.
- Special needs of industry and other organizations, state - regional level importance, international equivalence, employability are also taken in to account.



## CRITERION II : TEACHING-LEARNING AND EVALUATION

### 2.1 Student Enrolment and Profile

2.1.1 How does the university ensure publicity and transparency in the admission process?

- Advertisement through Vernacular and English newspapers.
- Announcement and admission on the web-site of the university and on the notice board of the concern departments/colleges/institutes.
- A merit list is prepared as per the prevailing norms of the university following the reservation policy
- Online centralized admission process is adopted for under graduate courses like B.Com, B.Sc., B.B.A., B.C.A., Integrated M.B.A.and M.Sc. C.A.I.T.

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

- Most of the PG courses by merit.
- M.Phil. and Ph.D. through Entrance Test, GDPI and RDC
- Forensic Science: Entrance Test.
- Reservation policy is strictly observed

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

- Merit based.
- Centralized admission for B.Ed., B.B.A. and B.C.A.
- UG-Commerce, UG Science, PG-Education and PG Chemistry observed centralized online admissions from June-2014
- This admission process is coordinated by admission committee

2.1.4 Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

- University monitor admission process through the admission committees and their inputs are considered for improvement
- Based on previous experiences of centralized on line admissions university is gradually planning to coordinate admissions, examinations and results through on line

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories :

- **SC/ST:** Students are oriented and encouraged to apply for special funding like Rajiv Gandhi national scholarship for higher studies
- **OBC:** Some local funding agencies in coordination with state government is supporting students from OBC category for higher studies
- **Women:** There are special attractive schemes with sufficient fellowship from UGC/DST available for female researchers and scholars. Besides this, there are several colleges who cater only Education to women.
- **Persons with varied disabilities:** Seat reservation is observed for persons with Varied Disability (PH) in some UG/PG programmes with required certification
- **Economically weaker sections:** some religious, community and caste organizations are very good source for getting financial support for higher studies
- **Outstanding achievers in sports and other extracurricular activities:** Seats are reserved for all the categories as per Government Guidelines.

2.1.6 Number of students admitted in university departments in the last four academic years:

Category	2010-2011		2011-2012		2012-2013		2013-2014	
	M	F	M	F	M	F	M	F
SC	366	505	402	557	541	782	601	851
ST	280	310	322	325	336	411	428	445
OBC	756	802	825	840	993	1102	1296	1314
GENERAL	1450	2869	1685	3270	1996	3628	2250	4009

2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

- We do not maintain the statistics for number of applications against the seats available.
- However, the demand ration has been increased in the last few years.
- The main reasons for this are :
  - a) Ever increasing population
  - b) Improved results at lower levels
  - c) Social and economic desire for higher education
  - d) Financial support from Government/NGOs/Community, etc.

2.1.8 Were any programmes discontinued/staggered by the university in the last four years? If yes, please specify the reasons.

- Five years M. Com, Business Management (IMBM), Computer Science (IMCS), Computer Applications (IMCA) integrated programs were discontinued due to administrative problems and cancellation of MOUs.
- Advanced Post Graduate Diploma in Geo-informatics and Satellite Communication was discontinued due to insufficient applications, from 2013-2014.

## 2.2 Catering to Student Diversity

2.2.1 Does the university organize orientation / induction programme for fresher's? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

- In most of the courses the orientation programmes for the fresher are arranged at the department level which covers all necessary information to be provided to the students.
- These programmes are conducted by faculty, staff members and senior students of the departments.

2.2.2 Does the university have a mechanism through which the "Differential requirements of the student population" are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

- Yes
- Based on the intake, infrastructure facilities are created

2.2.3 Does the university offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

- Remedial classes and NET, SLET coaching classes are Conducted for the students in various disciplines

Sr. No.	Programme	Departments
1.	Remedial Coaching Classes as UG/PG level	B. K. School of Business Management
2.	Coaching classes for entry into services	B. K. School of Business Management

3.	Coaching classes for preparation for NET	B. K. School of Business Management
4.	Remedial Coaching Classes as UG/PG level	Botany
5.	Coaching classes for preparation for NET	Botany
6.	Coaching classes for preparation for NET	Chemistry
7.	Coaching classes for preparation for NET	Physics
8.	Remedial Coaching Classes as UG/PG level	Political Science
9.	Remedial Coaching Classes as UG/PG level	Sociology

2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

- Formal studies are not recorded/documentated but, students in their dissertations, project select such studies

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

- Advanced learners generally directly approach the respective faculty/experts for such special support.

### 2.3 Teaching-Learning Process

2.3.1 How does the university plan and organize the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

- University prepares Academic calendar in consultation with various academic bodies and it is to be implemented by all the PG departments/Centres and UG colleges
- Academic calendar includes teaching schedule, internal examination schedule as well as University examination dates.

2.3.2 Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

- Yes, a calendar is maintained
- Syllabi of all programmes are available on the University Web-site for access

- Teaching/practical time table is provided to the students at the commencement of each semester.

2.3.3 Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

- In the cases of natural disaster or extra ordinary circumstances, sometimes there is a shortage of time for completion of course.
- In such cases, extra classes are organized before final examinations

2.3.4 How learning is made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

- Role play, mock sessions, learning from news items, field work, project work, extracurricular activities are some methods which are adopted
- Presentation as seminar/assignments before the class made compulsory for every PG/research courses
- Science Excellence - a state level competition is organized every year for 17 science subjects at 04 levels (UG, PG, Research and faculty) and 02 (oral, poster) competitions every year since-2008 to popularize Science among students.
- This also provides interaction opportunities to students to state-wide expertise in respective subjects

2.3.5 What is the university's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

- Eminent scholars are visiting our city for some other assignments, our PG departments are always eager to well come them on campus for guest lecture/invited talk for the benefit of the students/faculty
- University tries to utilized various grants to the fullest extend for this purpose.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

- Yes, the Central Library provides access to e-resources to the students/faculty. Many a times NET based e-content exercise are assigned to the students.
- Every department is facilitated with high speed internet access for students/faculty.

- 2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?
- Most of the faculty members use internet, e-journals & e-books for effective teaching.
  - Documentaries/short films/video representation is used as model teaching practice to evolve with teaching and understanding
  - Some of the very common video sharing web-sites for representation of theories in more scientific manner are also available to access
- 2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?
- This task is performed by the Central Library which keeps record of such educational processes access
  - Central library organizes seminars/workshops/awareness programme/training every year for orientation of such processes.
- 2.3.9 What steps has the university taken to orient traditional classrooms in to 24x7 learning places?
- Research students/scholars and faculties are allowed to work round the clock
  - Library reading room facilities remained open for more than 15 hours a day for students/faculties.
  - E-Journals and E-Books facilities available to all the enrolled students/faculties of university.
  - Interactive Panel has been installed in every department.
  - Every class room has high speed internet access and many of them are equipped with multimedia too.
- 2.3.10 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.
- Some of the departments like Botany, Psychology have a counselling cell and in other departments generally faculty members mentor the students when required.
  - Some of the departments hold students assemblies to address the students' academic, personal and psycho-social issues through special units managed by students.

2.3.11 Were any innovative teaching approaches/methods/practices Adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

- Several departments used methods like role play, crime scene investigation, moot court, news analysis, quiz, radio interactions, group discussion and virtual class room teaching via BISAG studio Gandhinagar, power point presentations and seminars
- Field work, excursions, industrial/institutional visits, projects, dissertations, internships, fellowships.

2.3.12 How does the university create a culture of instilling and nurturing Creativity and scientific temper among the learners?

- The students are encouraged to self-learn part of the syllabus which is directed as self-study practice
- Students are encouraged to discuss contemporary issues and find solutions to current happenings by participation in relevant events
- PG departments are having working groups like **We 4 Nature** at Department of Botany, where creativity is encouraged for preparation of greetings cards, memento, dying of cloths, souvenir, gift articles, etc.
- Jan Sikshan Sansthan is actively coordinating entrepreneurship programmes to instill creativity.

2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

- Almost all Post Graduate programmes have projects/dissertation as an essential component of the syllabus
- At Under Graduate Level some programmes like B.B.A., B.C.A. and B.Sc. have dissertation/projects in their curriculum
- Due credits are also awarded for consideration in the final evaluation
  - \* Number of projects executed within the university: 90%
  - \* Names of external institutions associated with the University for Student Project Work
    - ISRO, PRL, IPR, BSNL, BISAG, IUCAA, GCRI
    - Ila Devi IOL and Cataract Research Institute
    - Zydus Cadila Pharmaceutical & Health Care
    - INTAS
    - Care
    - Forest Department, Government of Gujarat
    - GEER foundation, Gandhinagar etc.

- \* Role of faculty in facilitating such projects
  - The faculty helps the students in selection of research topic, data collection, analysis and over all supervision of the projects/dissertation.

2.3.14 Does the university have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

- All University faculties are well qualified to teach the offered courses.
- Some highly specialized courses requires experts from real life institutions/organizations, university invites honorary/visiting faculty/experts as and when required.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the university for such efforts?

- Faculty members are provided personal computer and unlimited high speed internet access, uninterrupted and convenient access to e-resources to develop regular and e-learning material is readily available at their desk tops
- Faculty members can take help from EMMRC, INFLIBNET, Central Library and Rollwala computer centre e-resources for developing their relevant e-content.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

- IQAC coordinates for such independent feedback, based on assessment by students
- Informal feedback from alumni/experts is also obtained for improvement of teaching, learning modules.
- Based on feedback, Correctives/Advisory measures are incorporated for improvement

## 2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

- Board of Studies: Invitation to out-side experts from academia and industries
- Out-side experts are also accommodated in The Court, The Academic council and The Executive Council to meet the requirement of change in curriculum.
- Some of the courses are designed by organizing special meetings/workshops/interaction and collection of views as per the need of the courses.



## 2.4.2 Furnish details of the faculty

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers + Teaching Research Associates (TRA)</b>							
D.Sc./D.Lit.	-	-	-	-	-	-	-
Ph.D.	14	14	32	19	11+1	7+1	97+2
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	1+1	1+1	2+2
<b>Temporary Teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
<b>Part - Time Teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

2.4.3 Does the university encourage diversity in its faculty recruitment?  
Provide the following details (department / school-wise).

Department / Schools	% of faculty from the same University	% of faculty from other Universities within the State	% of faculty from Universities outside the State	% of faculty from other countries
Commerce	60	20	20	-
English	100	-	-	-
Gujarati	33	67	-	-
Hindi	100	-	-	-
Linguistics	100	-	-	-
Prakrit & Pali	50	-	50	-
Sanskrit	50	25	25	-
Law	-	50	50	-
Education	100	-	-	-
Philosophy	01	-	01	-
Psychology	100	-	-	-
Botany	50	25	25	-
Chemistry	33	33	25	09
Computer Science	25	25	50	-

Environmental Science	80	20	-	-
Life Science	50	50	-	-
Mathematics	83	17	-	-
Microbiology	75	-	25	-
Physics, Space Science & Electronics	33	44	22	-
Statistics	100	-	-	-
Zoology	44	28	28	-
Economics	75	25	-	-
History	80	-	20	-
Labour Welfare	75	25	-	-
Political Science	100	-	-	-
Sociology	50	50	-	-
B. K. School of Business Management	20	40	40	-
Physical Education	100	-	-	-
Library & Information Science	-	100	-	-
Communication Journalism & Public Relation	100	-	-	-

2.4.4 How does the university ensure that qualified faculty is appointed for new programmes/emerging areas of study (Biotechnology, Bioinformatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

- In the last four years university has introduced many new Higher Payment Programmes (HPP)
- These are coordinated by university faculties where eminent experts/faculties are invited as visiting/honorary/contractual basis
- Some Higher Payment Programmes also recruit qualified teaching assistants on purely temporary basis

2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the university?

- In house as well as out-side retired eminent professors/experts are invited to teach and guide PG/research students in some of the departments

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)?

- University encourages faculty members to organize/participate academic events at national and international level
- Participation in refresher/summer schools, orientations, workshops, training courses and other skill enhancing courses are promoted
- Research grants are readily approved for such participation with necessary sanction of leave and financial support
- Minor and major research projects proposals for national/state/government funding agencies are dully forwarded for approval.

2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

- 31 faculty members got various awards in last four years.

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

<b>Academic Staff Development Programmes</b>	<b>Number of Faculty</b>
Refresher Courses	116
HRD Programmes	01
Orientation Programmes	93
Staff training conducted by the university	06
Staff training conducted by other institutions	15
Summer / Winter schools, workshops, etc.	237

2.4.9 What percentage of the faculty have

- \* been invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies?
  - 55%
- \* participated in external Workshops/Seminars/Conferences recognized by national / international professional bodies?
  - 95%
- \* presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies?
  - 80%
- \* teaching experience in other universities/national institutions and other institutions?
  - 45%
- \* industrial engagement?
  - 05%
- \* international experience in teaching?
  - 03%

2.4.10 How often does the university organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

- Every year such programmes are organized.

2.4.11 PG Departments and schools organize such events on regular basis Does the university have a mechanism to encourage.

\* **Mobility of faculty between universities for teaching?**

Some faculty members from science departments are invited for teaching of syllabus e.g. Bhavnagar University, Hem Chandracharya North Gujarat University, Patan.

\* **Faculty exchange programmes with national and international bodies?**

- Under the provision of UGC Grants, University invites the proposals from various departments of the university to invite faculties of other universities.
- Eminent scholars are also invited under the faculty exchange programmes.
- Faculties are also encouraged to visit national and international institutions.

If yes, how have these schemes helped in enriching the quality of the faculty?

- Such interaction helped in introduction of innovative programmes that have accelerated research activity to initiate novel research.

## 2.5 Evaluation Process and Reforms

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?

- Circulars and notices are very well addressed with received counter signatures
- Through the University website
- Reflection of these evaluation process noticed in API applications of stakeholders.

2.5.2 What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

- Bar Coding of answer sheets, introduction of MCQ to improve competency, two tire evaluation, moderation and random verification are the recent implementation for the transparent examination management

- Question papers are distributed to far off remote areas on exam day by specially escorted out side supervisors appointed by university central examination system
- The distribution security is maintained by electronically locking the cases and the opening codes are telephonically communicated
- The process of flying squad is in existence
- In most of the programmes central evaluation system is functioning.
- A coordinator is appointed for each examination along with required staff. Duties of coordinators are well defined. Coordinators are required to take care of evaluation part till the declaration of results.
- Grievance pertaining to evaluation at the university examination system, rechecking and reassessment facility is available to the students. If complaint of student is found to be correct, fees are refunded to the student. If any sort of mistakes or irregularities are found, on the part of examiners, the matter is referred to the University for Corrective Measures.
- In some programmes the evaluation of answer book is done by involving concern experts (more than one examiners)
- University appoints observer for every examinations for every examination centre to prevent unfair practices of students as well as the staff engaged in the conduction of examination.
- An unfair practice of students or staff members is referred to unfair-means committee for necessary action.

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the university for the publication of examination results (e.g.website, SMS, email, etc.).

- Usually within 45 days of last examination
- Examination results are declared on website of the University.
- Students receive the result through SMS too.
- Students can print their e- mark sheet through internet webpage on the date of declaration of result. Physical mark sheet (hard copy) is distributed within a week.

2.5.4 How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?

- Barcoding of answer books system is adopted.
- Centralized Assessment in each course.
- Appointment of external examiner.
- Electronically locked boxes/cases are used to transport question papers.
- Question papers are printed in secured press under strict and confidential supervision
- Answer books also carry many security features.

2.5.5 Does the university have an integrated examination platform for the following processes?

- \* Pre-examination processes – formation of time table, OMR sheet, Student's list, invigilators, squads, attendance sheet, etc. addressed as pre-examination process.

These are managed by examination section of the University with the help of various sub committees consisting of teaching and non-teaching staffs.

- \* Examination process - Examination material management, logistics, etc. These are managed by examination section of the University with the help of various sub committees consisting of teaching and non-teaching staffs.

- \* Post-examination process - Attendance capture, OMR – based exam result, auto processing, generic result processing, certification, etc.

These are managed by examination section of the University with the help of various sub committees consisting of teaching and non-teaching staffs. Computer centre of our University is processing the required information as per the directives of examination section.

2.5.6 Has the university introduced any reforms in its Ph.D. evaluation process?

- Yes, in 2010.
- UGC Regulation 2009 was adopted and university drafted new regulations and ordinances for M.Phil. & Ph.D. Programmes.

2.5.7 Has the university created any provision for including the name of the college in the degree certificate?

- Yes

2.5.8 What is the mechanism for redressed of grievances with reference to examinations?

- Examination reform unit and committee for unfair means jointly handling any kind of grievances.

2.5.9 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

- Most examination related processes are now made online and computerized.
- Online generation of eligibility forms, examination forms, hall tickets, mark-sheets and results are the most significant efforts made by university which have improved the examination system.

## 2.6. Student Performance and Learning Outcomes

- 2.6.1 Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?
- These are provided in the objectives and expected outcomes of each programmes and course.
  - Soft skill and foundation courses also facilitate this.
  - Monitoring is done during teaching and outcomes are evaluated on the basis of examination results.
- 2.6.2 Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?
- Yes, through analysis of the examination performance and results in each section.
- 2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?
- The teaching plans are fine-tuned as per the CBCS.
  - Students are provided full support for beyond syllabi learning through additional reading material and other beyond classroom exercises.
  - In oral assessments, internal marks, external marks and classroom participation are given due weightage.
  - Multiple forms of questions are used for evaluation and suggestive pattern of question paper is placed on university website for all UG & PG Programme.
- 2.6.4 How does the university collect and analyze data on student learning outcomes and use it to overcome the barriers to learning?
- The university collects data on learning outcomes through the First test, preliminary examination results
  - The comprehensive results analysis is maintained in every department and university office records. Which brings out good achievements and deficiencies to overcome
  - The deficiencies if any, are corrected in same or subsequent semesters
- 2.6.5 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh / future challenges?
- The university uses ICT systems for teaching, self-learning by students and a mode of continuous assessment through classroom participation, seminars, and dissertation/projects is followed for evaluation of CBCS pattern.

*Any other information regarding Teaching, Learning and Evaluation which the university would like to include.*

- All the courses in each programme have 10% component of class room participation in which the teacher has the freedom to adopt any method suitable to the quality of the students and the requirements of the course.
- There is also a provision of up to five marks for each course as part of internal assessment to encourage the students to remain present in the teaching sessions.



## **CRITERION III : RESEARCH, CONSULTANCY AND EXTENSION**

### **3.1 Promotion of Research**

3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

- Yes, each programme has constituted one Research Development Committee (RDC) for monitoring research work in M.Phil. & Ph.D.
- Deans of the Faculty/Directors of the Schools/Heads of Department are regularly consulted for research promotion.
- RDC monitors course work, involvement of students in teaching/practical and status and progress in research
- They are also involved in selections of RA, JRF/SRF/Research Fellows for respective subjects for research projects funded by UGC/DST/CSIR/MoES/DBT/GUJCOST/SAC/ISRO/Govt. (Central/State)

3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?

- M.Phil./Ph.D. Guide ships are awarded to the college teachers.
- College teachers are encouraged to submit minor and major research projects through university office.
- Collaboration in organizing of national/state level academic events with colleges established in remote areas
- College teachers are invited to be part of academic events like seminars, symposiums, conferences/training courses as organizing committee.

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?

- Simple processes are established for purchases to be made by the Principal Investigators.
- Autonomy to the project Principal Investigator/Coordinators for utilizing overhead charges.
- Timely release and auditing of grants.
- Submission of Utilization Certificate to the funding authorities.

3.1.4 How is interdisciplinary research promoted?

- \* Between/among different departments/schools of the University Major faculty of university work for coordinated research analysis, evaluation of data and interpretations of results Departments involved:
  - Physics and Chemistry
  - Chemistry: Environmental Sciences
  - Forensic Science and Chemistry

- Life Science and Zoology
- Botany and Forensic Science
- Botany: Bioinformatics: Climate Change
- Life Sciences: Biochemistry etc.
- \* Collaboration with national/international institutes/ industries.
  - SAC, ISRO, PRL, IPR, NIOUH, GCRI, Ila Devi Cataract & IOL Research Centre, GSA, GEER Foundation, Cancer Research Society, British Petroleum, CIA, etc.

### 3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.

Above mentioned academic events are organized by the university in collaboration with state/central/local agencies.

Some of them are:

- Workshop on Translation, 23-24 March, 2011
- Ved-VimarshKarya-Shala, 2010
- Sanskrit Wikipedia – Training Programme, 12-13 July, 2012
- Science Excellence-2009.10<sup>th</sup> January-2009
- Spring Training on Taxonomy of Applications of Grasses, 26 to 28 February, 2009
- Training on Agriculture Microbial Bioinformatics (AGAMB), 31<sup>st</sup> August-2009
- Taxonomy : A Classical Science with Programming Application (TCSPA), 21 to 26 September, 2009
- Workshop on Science Perfection, 05<sup>th</sup> December-2009
- Healthy Environment for Youth (HEY), 27 to 29 October, 2010
- Scientific and Educational Tales to Unearth(SETU), 23<sup>rd</sup> October, 2010
- Science Excellence-2011, 08<sup>th</sup> January, 2011
- Taxonomy Workshop, 8 to 11 February, 2011
- Workshop on Reality Talent and Handiwork, 23<sup>rd</sup> February, 2011
- Workshop on Intellectual Property Rights Awareness, 16<sup>th</sup> June, 2011
- Workshop on Taxonomy : A Classical Science of Promising Application (TCSPA), 11-12 August, 2011
- National Symposium, 13 to 15 October, 2011
- Workshop on Entrepreneurship, 27<sup>th</sup> July, 2013
- Science Excellence-2014, 04<sup>th</sup> January, 2014
- Workshop on Personality Development for Success (PDS-2014), 06<sup>th</sup> January, 2014
- Seminar: Women Empowerment, 08<sup>th</sup> March, 2014
- Workshop on Financial Planning for Young Investors, March, 2014
- Workshop on Interactive Forum called Safety and Security for All (SASA-2014), April, 2014

- Workshop on Intellectual Property Rights Awareness (WIPRA-2014), April, 2014
- National e-Governance Workshop
- Open Stack Community Meet Up, Open Stack Community India
- Cloud on Open Stack, Knowledge Share Event
- Mobile Application Development, Knowledge Share Event
- Nutrition Week Celebration 1<sup>st</sup> September; 2012
- Nutrition Week Celebration 1<sup>st</sup> September; 2013
- Technical Workshop on Semiconductor Measurement Challenges, 01<sup>st</sup> March, 2014
- Workshop/Seminar on Alternatives to Use of Animal in Biosciences, 22-23, September, 2010
- Doctor's Meet., 18<sup>th</sup> October, 2011
- Biomedical Technology Lectures Series, 27 to 29 December, 2011
- GenDioT, 4 to 9 March, 2013
- HPTLC Training cum Seminar, 30<sup>th</sup> March, 2013
- Biomedical Technology Lecture Series "TISSUE ENGINEERING", 10<sup>th</sup> April, 2013
- Identifying Novel Cancer Therapeutic Targets, 16<sup>th</sup> January, 2014
- Nanotechnology based therapeutics for the treatment of cancer, 17<sup>th</sup> January, 2014
- Light & Life, 03<sup>rd</sup> February, 2014
- Workshop on Body Language, Time Management and Emotional Intelligence, 12<sup>th</sup> September, 2010

3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?

- As per provisions of UGC Grant, eminent teachers and professors are invited for invited talk /guest lecture
- The visit of such eminent personalities motivates and enhances the overall research environment in the university.

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

- Rs. 25,39,84,000.00 (32.48%)

3.1.8 In its budget, do the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

- There is no such provision

3.1.9 Does the university encourage research by awarding Post-Doctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the university and other sources.

- Yes, Women Scientists are working for their projects in some of the Science Departments under DBT/DST fellowship
- Senior research scholars are appointed as Teaching Assistants with fixed remuneration in some science departments
- Some science departments are also awarding merit based scholarship

3.1.10 What percentage of faculty has utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

- The university has a provision of sabbatical leave, very few faculties have availed the facility of sabbatical leave in past record

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

Eminent scientist/scholars participated for some national/international academic events at the university like Dr. S.E.Hasnain, former Vice Chancellor, Hyderabad University, Mr. KapilSibal, Fr. Minister MHRD, Govt. of India, Dr. Rajendran Narayanan, Kentucky State University, USA, Dr. DasentilaGolemiKotra, York University, Canada, Dr. Anant Patel, Germany, Mr. Bernie Meyer, American Gandhi, USA, Mr. Norifumi Takao, Vice President, OtemonGaukin University, Japan, Prof. OBE Nigel Mason, Dr. Albert Scham, Grant Writer European Union, Dr. Hari Om Vats (Physists), Prof. S. S. Sane (Mathematician), MaharshiShrimadKardamacharya (Phylosopher), Dr. Mangesh Kulkarni (Political Scientist), Dr. Rajiv Kurulkar and Mr. Dhiraj Shah (Business Management), etc.

In addition to these, following events were organized at departmental level

- All India Accounting Conference and International Seminar
- National Conference on Global Issues and Challenges in Accounting & Finance
- UGC National Seminar on *Kamala Das: A Tribute* January 11-12, 2010.
- UGC National Seminar on *Dalit Literature: Past Present and Future* 5-6 December, 2011
- UGC National Seminar on *Celebrating Offshore: Reading Black Literature from Indian Perspective*, March, 2012
- Madhyakalin Gujarati Kritiyo “PathanAneAaswad, 3-4, January, 2009
- JagineJovu To, 5<sup>th</sup> September, 2012
- Ka. Mma. MunshinaShabdaSathe, 4<sup>th</sup> October, 2013
- SahityaAneSamaj, 12<sup>th</sup> February, 2014
- AbhyasKramVishayakKrutition, 13<sup>th</sup> February, 2014
- PrakritkathaokeGujaratusahitya par prabhav, December, 2009

- National Seminar on ApabhramshaAswad, 18<sup>th</sup> February, 2013
- National Seminar on Literary Criticism of Prakrit Texts. 26-27 October, 2013
- National Seminar on PrakritKrutio- AswadaneAbhyas, 14<sup>th</sup> February, 2014
- National Vedic Conference, 12 to 14 November, 2010
- Sanskrit and Computer, 05.01.2010
- Ved-RakshaaParisamvada, 2010
- UGC sponsored National Seminar on Human Rights in Emerging Areas and Value Education, during 8-9, September, 2011.
- Organized National Seminar on “ Law and Challenges in 21<sup>st</sup> Century: Special Reference to Women” on 20<sup>th</sup> January, 2013.
- Organized National Seminar on “Evolution and evaluation of empowerment of women” on 08<sup>th</sup> March, 2013.
- Guest Lecture on Gandhian Philosophy by Bernie Meyer (American Gandhi), 13<sup>th</sup> October, 2009
- Guest Lecture on Philosophy of Advaita Vedanta & Practical Relevance of Advaita Philosophy, 12<sup>th</sup> March, 2010
- Two-Day International Seminar on “Globalization, Value and World Peace”, 7-8, January, 2011
- Seminar on Scouting of Documentation of Traditional Knowledge (SCODO), 16<sup>th</sup> July, 2009
- Seminar on Student Project Convention, 3<sup>rd</sup> October, 2009
- Scientific Ambience for Vocational Encouragement (SAVE) Lecture Series, 21<sup>st</sup> September, 2010
- Scientific Ambience for Vocational Encouragement Lecture Series (SAVE lecture series), 24<sup>th</sup> February, 2011
- Seminar on Census Operation, 2<sup>nd</sup> February, 2011
- National Symposium, 13 to 15 October, 2011
- One Day Seminar On Current Trends in Physics, 21<sup>st</sup> March, 2010
- Gujarat Science Congress, Ahmedabad, (Physics Session), 21<sup>st</sup> March, 2010
- National Symposium on Advances in Materials Science and Technology (AMST-2012), 3-4, February, 2012
- International Conference on Biomedical of Genomic Research, 29 to 31 January, 2009

## 3.2 Resource Mobilization for Research

### 3.2.1 What are the financial provisions made in the university budget for supporting students' research projects?

- Students are allowed utilize necessary laboratory facility (equipment, glassware, chemicals) for wet lab experiments for their projects
- All research scholars avail funding for the research activity through departmental/laboratory grant

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

- Gujarat Council on Science and Technology has established a IPR Cell Gujarat University at Department of Botany where regular patent awareness programmes are organized by the university
- 2 Patents are filed and 1 patent application is under process.

3.2.3 Provide the following details of ongoing research projects of faculty:

Year wise	No.	Name of Projects	Name of funding Agency	Total Grant received
<b>A. University Awarded Projects.</b>				
<b>Minor Projects</b>				
	-	-	-	-
<b>Major Projects</b>				
	-	-	-	-
<b>B. Other agencies – National and International (specify)</b>				
<b>Minor Projects</b>				
2010-11	1	Mobile Van Impact Study...	SEWA Dr. Sonal Pandya	15,000
2010-11	2	Elucidation of SHI induced memrestive switching in oxides...	Int. Uni. Acc. Centre Dr. U.S. Joshi	3,87,000
2010-11	3	Lifelong Learning...	UGC Dr. R. S Patel	2,50,000
2010-11	4	Preparation and characterization of metal oxide ...	UGC Dr. Usha Pal	95,000
2010-11	5	Synthesis, Characterization and Microstructural...	GUJCOST Dr. R. B. Jotania	4,45,000
2010-11	6	R. Birla SmarakKosh	RBSK. Dr.R.J. Verma	1,50,000
2010-11	7	Supramolecular assemblies Nanomedicine and Nano.....	GUJCOST Dr. V. K. Jain	3,27,000
2010-11	8	Polymer nanocomposites	UGC Dr. H. Kaur	2,00,000
2011-12	9	UGC Major Research Project in Retailing Completed	UGC Dr. Neelima Ruparel Dr. Sarla Achuthan	2,15,000

2011-12	10	Chiral synthesis of N & O/S ... antimalarial activities	UGC Dr. H. D. Patel	1,00,000
2011-12	11	Bromination ... recycle NBS funded by GUJCOST – JAN 2010	GUJCOST Dr. H. D. Patel	25,000
2011-12	12	Nanocomposites polyester of biodegradables	UGC Dr. H. Kaur	2,00,000
2011-12	13	Gender Sensitization	GCERT, CTE Dr. R. S. Patel	9,750
2011-12	14	Semester System in HSC Level	GCERT, CTE Dr. R. S. Patel	9,800
2011-12	15	BISAG in Primary School	Adult & Continuous Education Dr. R. S. Patel	9,550
2011-12	16	GUJCOST-SciTech	GUJCOST Dr. U.S. Joshi	25,000
2011-12	17	To Investigate resistance Switching Properties.....	MIT Dr. U.S. Joshi	2,00,000
2011-12	18	MINOR	UGC Dr. DivyaChandel	1,80,000
2011-12	19	Post Doctorate Research Award	UGC Dr. H. D. Patel	3,00,000
2011-12	20	Physiological aspects of senescence of post harvest shelf of cut flowers	University Grants Commission (UGC)	3,77,800
2012-13	21	Project in collaboration with ISRO-SAC since August 2012: Exploring hyperspectral data use for studying crop residue signature vis-a- vis biochemical parameter estimation.	ISRO-SAC Dr A U Mankad	Less than 3 lacks
2013-14	22	Competition and Indian Organization: How do they cope .....	AICTE Dr. Vilas Kulkarni	4,00,000
2013-14	23	Mathematical Modeling of Epidemics	Dr. Neeta Shah	1,40,000

2013-14	24	A REVIEW OF GUNOTSAV KARYAKRAM	GCERT – CTE, Dr. R.S. Patel	10,000
2013-14	25	A REVIEW OF PRAGNA APPROACH	GCERT – CTE Dr. R.S. Patel	9,700
2013-14	26	A Review of Teacher Eligibility Test (TET)	GCERT – CTE Dr. R.S. Patel	9,500
2013-14	27	Research Promotion Scheme	AICTE Dr. VasudevModi	1,52,000
2013-14	28	Systematic approach to discover new Anti-cancer Drugs using Computer aided drug design	GUJCOST  Prof. Nisha K. Shah	3,00,000
2013-14	29	Rational Design, Synthesis and anti-HIV activity of some novel heterocyclic analogues	GUJCOST  Prof. K. H. Chikhalia	3,50,000
<b>Major Projects</b>				
2010-11	1	DRS - SAP – I	UGC Dr. P. N Gajjar	64,80,000
2010-11	2	MHRD UGC – Infrastructure	UGC Dr. P. N Gajjar	20,00,000
2010-11	3	SarvaShikshaAbhiyan	MHRD Dr. R. S Patel	9,80,000
2010-11	4	Entrepreneurship Development	AICTE Dr. VasudevModi	6,00,000
2010-11	5	Of the spatial and temporal variability of trace gases and Aerosols over Indian Subcontinent using ....	SAC/ISRO Dr. DeeptiTripathi Dr. M. E. James	8,50,000
2010-11	6	Study of Dielectric Relaxation and Molecular Interaction in Binary Mixtures of Associative molecules	UGC Dr. V. A. Rana	6,85,800
2010-11	7	Gujarati Thesaurus	Guj. Cont. Dr. A. V. Bhandari	10,00,000



2010-11	8	Super Molecular Chemistry : Application to Dyes and Metal Clusters	UGC-SAP, Dr. S. K. Menon	50,00,000+ 20,00,000
2010-11	9	Novel Supramolecular receptors based on calix.....	UGC Dr. V. K. Jain	10,00,000
2010-11	10	Fluoride Research	UGC Dr. M. V Rao	10,00,000
2010-11	11	Major Project	UGC Dr. L. B. George	8,79,000
2010-11	12	Rajiv Gandhi	UGC Dr. R. J. Verma	8,00,000
2010-11	13	FIST Programme	DST Dr. Y. T. Jasrai	23,00,000
2010-11	14	FIST Programme	DST Dr. U. C. Pande	80,00,000
2010-11	15	FIST Programme	DST Dr. V. M. Raval	91,00,000
2010-11	16		UGC-SAP - II	50,00,000
2010-11	17	Facilitation through Hydrological Coastal Habitat Modifications in Gulf of Khambhat...	MoES-OSTC Dr. H. A. Pandya	15,98,000
2010-11	18	Measurement of Inherent Optical Properties (IOPs)	SAC/ISRO Dr. H. A. Solanki	13,50,000
2010-11	19	Investigations on some epitaxial oxideheterostructures	DAE. Dr. U.S. Joshi	34,74,250
2010-11	20	Major	UGC Dr. M.V. Rao	13,00,000
2010-11	21	Major	UGC Dr. L.B. George	8,70,000
2010-11	22	Major	INTAS Pharmaceuticals Dr. L.B. George	6,00,000
2010-11	23	Major	GSBTM Dr. L.B. George	15,90,000
2010-11	24	Gujarat Genetic Diagnostic center	GSBTM Dr. M. V. Rao	1,98,00,000

2010-11	25	Characterization of MidTropospheric Cyclones & offshore though ...	ISRO Dr. M.E. James	10,00,000
2011-12	26	SSA – Project	NCERT – MHRD Dr. R. S. Patel	9,80,000
2011-12	27	Gujarati Thesaurus	Govt. of Gujarat	10,00,000
2011-12	28	Bioleaching of base metals	GMDC Dr. S. R. Dave	20,00,000
2011-12	29	DST-FIST	DST	91,00,000
2011-12	30	Biocotrol...microflora	DST (WOS) MeenuSaraf and Himanshu Pandya	18,00,000
2011-12	31	Entrepreneurship Development	AICTE Dr. VasudevModi	6,00,000
2012-13	32	Research in English (An Annotated Bibliography of the Doctoral ....	UGC Dr. J. S. Joshi	7,16,790
2012-13	33	High productivity in the open ocean : quantification ....	SAC/ISRO Dr. Y.T. Jasrai	17,50,000
2012-13	34	Documentation of indigenous knowledge of Gujarat forest	GOG Dr. Y.T. Jasrai	9,61,000
2012-13	35	Field survey for forest resource in Gandhinagar circle	GOG Dr. Y.T. Jasrai	12,00,000
2012-13	36	Isolation of AM fungi associated with selected plants of semi-arid ...	UGC Dr. Y.T. Jasrai	8,43,000
2012-13	37	MOP – II	SAC/ISRO Dr.H.A. Solanki	15,00,000
2012-13	38	Major Research Project 37-159/2009 (SR), Dated 12 January 2010	UGC Dr. V. A. Rana	8,31,200
2012-13	39	Role of certain antioxidants on fluoride induced toxicity ...	UGC Dr. M.V. Rao	11,21,000

2012-13	40	Zooplankton Production modeling Investigations using Oceanography...	SAC/ISRO Dr. H. N Highland	11,30,000
2012-13	41	Anticarcinogenic Effects of some Plant Extracts.	UGC	8,79,000
2012-13	42	To Evaluate the Efficacy of Selected Plant Extract as Antimalarial Agents.	INTAS Pharmaceutical, Dr. L. B. George	6,00,000
2012-13	43	Carbon sequestration potential of <i>Albizialebbeckin</i> intercropping and co-cultivation systems with economic crops and plant growth promoting microorganisms	DST, New Delhi  DrDhirajNaikDr MeenuSaraf (Co-PI)	35,00,000
2012-13	44	Field Survey for Soil quality and conservation in Forest and selected associated villages of Narmada district.	Forest Department, Government of Gujarat, Gandhinagar, India. Dr. H A Pandya	10,04,950
2012-13	45	Field Survey for Soil quality and conservation in Forest and selected associated villages of Sabarkantha district	Forest Department, Government of Gujarat, Gandhinagar, India. Dr. H A Pandya	10,04,950
2012-13	46	Antioxidant –activity guides separation and identification of compounds from <i>Mimosa hamata</i> Willd.	D.S.T. New Delhi Dr. Renu Singh	20,80,000
2012-13	47	Investigation of Carbon Stock and estimation of biomass carbon in Soil micro flora from different forest types of Gujarat	D.S.T. New Delhi Dr. Megha Bhatt	20,70,000

2012-13	48	Assessment of Arbuscular Mycorrhizal Fungi isolated from the saline soil Gujarat through Molecular markers & to study the effect of Salinity on their Growth performance in vitro condition	D.S.T. New Delhi Ms. Meenaxi Lochan	15,96,000
2012-13	49	UGC Major Research Project	UGC Dr. V. A.Rana	6,85,800
2012-13	50	Role of Noggin a BMP antagonist in the growth and progression of breast cancer	D.S.T.	22,80,000
2012-13	51	Isolation and characterization of organic solvent tolerant lipolytic enzymes	DST (WOS-A) S. R. Dave (Mentor)	23,80,000
2012-13	52	Enhancement of biodegradation by molecular manipulation in dye degrading ...	UGC S. R. Dave (Mentor)	5,59,200
2013-14	53	EDC	AICTE Dr. Vasudev Modi	6,00,000
2013-14	54	Supramolecules and Nanomaterials	UGC-SAP DRS(III) Dr. V.K. Jain	70,00,000
2013-14	55	ILCI GUJARATI CORPORA PHASE 2	DEITY GOI Dr. Kirtida S Shah	44,90,000
2013-14	56	“ Interventional Optimization procedure of limbal stem cell...	GSBTM Dr. N. K. Jain	15,85,000
2013-14	57	Shallow Parser Tools for Indian Languages To build up ....	Dr. Nilotpala Gandhi	33,00,000
2013-14	58	Biotechnological recovery of metals from selected e-waste	GSBTM Dr. S. R. Dave	19,97,000
2013-14	59	Biotransformation of castor oil into desired fatty acids for their uses and applications	DBT Dr. S. R. Dave	22,10,000

2013-14	60	The use of Plant Growth Promoting Rhizobacteria for establishments of Biofuel plant – JatrophaCurcas.	British Petroleum, International Ltd., UK Dr. MeenuSaraf	45,00,000
2013-14	61	PGPR based eco-friendly disease management strategies for control of soil borne plant pathogens	DST (WOS-A) Dr. MeenuSaraf	18,00,000
2013-14	62	Bacterial diversity study of thermal springs of Gujarat and screening of selected thermozyms	GSBTM Dr. D. R. Tiple Dr. S. R. Dave	18,85,000
2013-14	63	Development of geo-physical parametric retrieval algorithms & study over Indian tropical region	ISRO Dr. Lele P. D. Dr. James M. E.	9,00,000
2013-14	64	DRS-SAP-I	UGC	64,80,000
2013-14	65	GENDICE	GSBTM Dr. M. V.Rao	1,98,000
2013-14	66	<i>silico</i> Prediction <i>vitro</i> Analysis for Evaluation of potential.	GSBTM Dr. L. B. George	12,00,000
2013-14	67	Study on toxic effects of Lead: its <i>in vitro</i> ...	UGC Dr. D. D. Jhala	10,85,666
2013-14	68	Molecular Stabilization of Erythrocyte Membrane as a potential antimalariao Target- An <i>in-vitro</i> study.	GSBTM Dr. L. B. George & Dr. H. N. Highland	19,96,800
2013-14	69	Changes in Consumer Buying Behavior of Readymade garments with respect to the Organised Physical Retaling in Gujarat	UGC Dr. PrateekKanchan	5,77,600 and 1st instalment (3,49,600 only), but the amount yet to be released.
2013-14	70	MODROB	AICTE	20,00,000

2013-14	71	“A study on feasibility and sustainability of microwave enhanced sequential and cascade reactions using mono and bimetallic nanoparticles”	Nanomission Dr. H. Kaur	25,90,000
2013-14	72	e-PG-Pathshala	UGC Dr. Savita Gandhi (PI) Dr. Jyoti Pareek (Co PI)	11,20,000
2013-14	73	Microbial production of bioactive compound stilbenes: resveratrol, viniferin, piceid and ampelopsin	DBT Dr. S. R. Dave (Mentor)	29,97,000
2013-14	74	Bacterial degradation of selected metal complex acid dyes and its effluent	DST Dr. S. R. Dave (Mentor)	9,20,000
2013-14	75	Prokaryotic diversity and metal fluxes at selected site of Saurashtra and Gulf of Khambhat coastal ecosystem	ESSO Dr. S. R. Dave (PI) Dr. D. R. Tipre (Co-PI)	43,99,600
2013-14	76	SHI studies on barium calcium hexaferrites synthesized by stearic acid gel route	IUAC New Delhi Dr. R.B Jotania	Nil
2013-14	77	Biodegradation of acidic azo dyes and their industrial waste	DST (WOS) Dr. S. R. Dave (Mentor)	14,76,000

3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

- Yes
- British Petroleum funded a project on Renewable Energy Resources with a grant of Rs.50 Lacs to Microbiology Department.

3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

- Physics (i) DST - FIST - I, Rs. 91 Lakh  
(ii) DRS - SAP - I, Rs. 64.8 Lakh
- Chemistry (i) DST - FIST - I, Rs. 80 Lakh  
(ii) DRS - SAP - III, Rs. 70 Lakh
- Zoology (i) DST - FIST - I, Rs. 30 Lakh  
(ii) DSA Rs. 48 Lakh  
(i) COSIST Rs. 77 Lakh
- Botany (i) DST-FIST-I Rs. 21 Lakh

3.2.6 List details of

- a. Research projects completed and grants received during the last four years (funded by National/International agencies).
- b. Inter-institutional collaborative projects and grants received (As per 3.2.3 para of the same document)
  - i) All India collaboration International  
Rs. 50,00,000 (Fifty lacs) from British Petroleum to carry out research on renewable energy

### 3.3 Research Facilities

3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

- Some science departments are having newly developed sophisticated infrastructure and laboratory facilities
- Research laboratories are reconstructed / renovated / reorganized for proper air, light and water supply

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

- Date based from UGC INFONET Digital Library Consortium
- E-PG Pathshala of UGC INFLIBNET is established
- Sampada at university Central Library

- 3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?
- Yes
  - USIC along with workshop of University School of Sciences, Maintain the common instrument facility for University School of Sciences.
  - Instrument purchased for the central facilities are allotted for maintenance to individual department.
  - No special grant is available from UGC to the USIC Centre.
- 3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?
- Yes, research scholars are utilizing these facility
  - Residential facilities available and they can avail departmental and centralized/personalized computer facilities with high speed internet facility round the clock.
- 3.3.5 Does the university have a specialized research centre/workstation on-campus and off-campus to address the special challenges of research programmes?
- Yes, Forensic department is having facility for Lie detector test as well as handwriting/finger print verification tools for specific investigations
- 3.3.6 Does the university have centres of national and international recognition / repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.
- Yes
  - Genetic Diagnosis Centre at Department of Zoology for genetic confirmation which is utilized by doctors and research scholars

### 3.4 Research Publications and Awards

- 3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.
- Yes - twice a year
  - VIDYA - A Journal of the Gujarat University (ISSN : 2321-1520)  
**Editorial Board :** Prof. M. H. Makwana (Chief Editor)  
 Prof. K. H. Chikhalia  
 Dr. Dinanath Sharma  
 Dr. ArunVaghela  
 Dr. A. J. Bharwad  
 Not listed in any international database.



### 3.4.2 Give details of publications by the faculty:

- Number of papers published in peer reviewed journals (national / international) :  
Total: 1334
- Monographs : 08
- Chapters in Books : 86
- Books Edited : 41
- Books with ISBN with details of publishers : 85
- Number listed in International Database (Web of Science, Scopus, EBSCO host, Humanities International Complete, etc.) 451
- Citation Index - range / average : 0 - 2793
- SNIP : 0.5 to 0.8
- SJR : 0.5 to 0.8
- Impact Factor - range / average : 0.17 - 5.55
- h-index : 0 to 17

### 3.4.3 Give details of

- Faculty on the editorial boards of national and international journals : 52
- Faculty as members of steering committees of international conferences recognized by reputed organizations / societies :46

### 3.4.4 Provide details of

- \* Research awards received by the faculty and students
  - Faculty members and students are regularly awarded prizes and research awards for their contributions
- \* National and international recognition received by the faculty from reputed professional bodies and agencies
  - Many faculty members of the university are recognized at national/international level as reviewers, experts for committees on financial sanctions, fellows etc.

### 3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

- The average number of successful M.Phil. 01:03
- The average number of successful Ph.D. 01:02
- Yes, University is part of *Shodhganga*.

3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

- Declaration from M.Phil. and Ph.D. students is mandatory at the time of submission of dissertation/thesis
- Some departments are practicing online checking of plagiarism
- No such case is reported so far.

3.4.7 Does the university promote interdisciplinary research? If yes, how many Inter-departmental/inter-disciplinary research projects have been undertaken and mention the number of departments involved in such endeavors?

Following departments have established interlinked:

- Chemistry & Environmental Science & Botany
- Chemistry & Forensic Science
- Botany & Forensic Science & Bioinformatics
- Physics & Chemistry
- Life Science & Zoology & Biochemistry
- Microbiology & Biochemistry & Life Sciences
- Biotechnology & Environmental Science

3.4.8 Has the university instituted any research awards? If yes, list the awards.

- Yes
- Hariom Ashram Prerit National Award
- GurukulJyoti Award

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

- As the University is State University, no such incentives are given by the University. However, university appreciates and recognizes such research contributions by awarding *GurukulJyoti Award* to the researchers.

### 3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.

- University provides freedom to each faculty member to undertake the consultancy within the stipulated norms and frame work
- Does the university have a university-industry cell? If yes, what is its scope and range of activities?
- Yes
- University takes input to enrich syllabi, for the placement of students, for internships/projects/training/visit/onsite experience.

- 3.5.2 What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?
- Through the website by display/release of the contribution/specialization of the faculty.
- 3.5.3 How does the university utilize the expertise of its faculty with regard to consultancy services?
- Faculty members are permitted by the university to do the consultancy.
- 3.5.4 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.
- No sizable amount is generated so far.

### **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

- 3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.
- NSS
  - Blood Donation Camp
  - Flood Relief Camp
  - Earthquake Relief Camp
  - Riot Relief Camp
  - Literacy Movement Camp
  - Real life training, Mock drill
  - Participating in media (electronic) debates
  - Article contribution in news paper
  - Awareness programme in collaboration with Government/NGOs
  - Vanche Gujarat to boost reading habits among the students / faculties.
- 3.6.2 How does the university promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?
- University campus is lush green and in the heart of the city, morning and evening walkers/joggers regularly visit campus before and after working hours
  - University-Neighborhood network is established and they are contributing in cleanliness and maintenance of the same.
  - NSS is trying to contribute to community development

- 3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?
- Every year NSS & NCC Camps are organized by the university.
  - Youth Festivals at local, zonal and national level are organized, in which students/faculties are participating in big numbers.
- 3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?
- JanShikshanSansthan – a centre established in the university by Central Government. The centre is engaged in skill based training to the under privileged masses.
  - Special classes for English and UGC NET are organized for SC/ST/Minority students
- 3.6.5 Does the university have a mechanism to track the student's involvement in various social movements/activities which promote citizenship roles?
- No such formal mechanism exists in the University.
  - Faculty members are sometimes track record of students activities within the campus
  - Students are encouraged for blood donation
  - This activity was appreciated and recognized by Red Cross Society.
  - Large scale plantation programme in collaboration with municipal corporation was organized by university
- 3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.
- Students learn to participate in activities related to community services and programmes for generating awareness for social cause.
  - This would certainly help in big way to promote gentle characters who will be leaders of tomorrow in every section of the society.
- 3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.
- NSS Activities involve participation of village people to improve drinking water facilities and overall cleanliness of the selected villages.
  - COW (Computer on Wheels- A Bus equipped with computers) programme is initiated by the university to empower computer education in slums and unorganized colonies in the city of Ahmedabad

- 3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.
- Red Cross Society has recognized university activity of organizing Blood Donation Camp almost every year.

### 3.7 Collaboration

- 3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

- Faculty members of Physics and Botany departments have the collaborative projects with SAC/ISRO/Forest Department/other universities.
- University has the linkages with SAC, ISRO, PRL, IPR, BISAG, EDI tec. like recognized institutions were specialized research activities are carried out.
- University is greatly benefitted academically because of such collaborations.

- 3.7.2 Mention specific examples of how these linkages promote

- |                                    |   |
|------------------------------------|---|
| * Curriculum development:          | √ |
| * Internship:                      | √ |
| * On-the-job training              | √ |
| * Faculty exchange and development | √ |
| * Research :                       | √ |
| * Publication :                    | √ |
| * Consultancy:                     |   |
| * Extension :                      | √ |
| * Student placement :              | √ |
| * Any other (please specify)       |   |

Has the university signed any MOU with institutions of national / international importance / other universities / industries / corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

- Yes
- Gujarat Council on Science and Technology
- Gujarat Cancer and Research Institute (GCRI)
- GEER Foundation
- Illa Devi Cataract and IOL Research Institute
- British Petroleum

Such MOUs helps the research and developmental activities in the university.

- 3.7.3 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

\* MOU was signed with CII for the Centre of Nano Science.

The process for establishment of the research centre is yet to be initiated.

***Any other information regarding Research, Consultancy and Extension, which the university would like to include.***

## CRITERION –IV :INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

- 4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?
- Every department/office is provided with necessary physical infrastructural facilities.
  - The optimal utilization is ensured by the respective department.
- 4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.
- Central Computer Laboratory with 400 computers to enhance teaching / learning environment in the university
  - Seminar Hall with audio/video facility, decent interior and air conditioners are established in all most every department/building
- 4.1.3 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?
- Necessary scientific/other equipment's have been procured as per the requirement of the departments
  - Such procurement is undertaken taking all the faculty members in confidence
  - Computer net-work with high speed internet facilities are provided in the university campus
  - 100% Wi-Fi campus concept is in progress
- 4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?
- Yes, in majority of the departments such facilities are available
- 4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?
- Yes
  - Walk RAMP are created at most of the buildings.
  - Free of cost Reader and writer facility and special examination hall/room facility is created for blind/PH candidates.

4.1.6 How does the university cater to the requirements of residential students? Give details of

\* **Boys' Hostel**

- i. Number of Hostels : 06
- ii. Number of inmates : 558
- iii. Facilities :
  - (In house) Bed, Table, Chair, Cup Board, Fans & Lights
  - (Common) Colour TV Room, Water Cooler & R.O. water system, Sanitation Facilities, Water Geezer, Mess, Canteen, Sports Equipment's, Laundry, Library, Security, New Papers & Magazines, Telephone

\* **Girls' Hostel**

- i. Number of Hostels : 02
- ii. Number of inmates : 196
- iii. Facilities :
  - (In house) Bed, Table, Chair, Cup Board, Fans & Lights
  - (Common) Colour TV Room, Water Cooler & R.O. water system, Sanitation Facilities, Water Geezer, Mess, Canteen, Sports Equipment's, Laundry, Library, Security, New Papers & Magazines, Telephone

4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

- University has fully equipped Health Centre.
  - Health Care with provision for out-side consultation
  - X-Ray facility
  - Pathology Laboratory
  - Limited free medicines
  - Specialist doctor services on selected schedule are available for for students, teaching and non-teaching staffs.

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

- Department of Physical Education and Youth Welfare & NSS take care of such activities
  - Playground : Yes
  - Cricket : Yes
  - Foot Ball : Yes
  - Basket Ball Court : Yes
  - Table Tennis Court : Yes
  - Squash Court : Yes
  - Badminton Court : Yes
  - Kho Kho Court : Yes
  - Kabaddi Court : Yes
  - Gymnasium : Yes

## 4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

- Yes, as per Ordinance-22 of Gujarat University Act the Advisory Committee is formed. The library committee has taken some initiatives for ideal use of library facilities.
- Time has been extended as per reader's requirements for reading of books/examination materials.
- Borrowing of books facilities has also been expanded.
- Access of E-content facility was set up in the recent years.
- Library is providing membership for library use to students, teaching & non-teaching staffs.
- Digitization of resources is also finalized.

4.2.2 Provide details of the following:

- \* Total area of the library (in Sq. Mts.)
  - 2701.64 Sq. Mts. (Total carpet area of Gujarat University Library Main Building).
  - Department wise details are as under.



### Gujarat University Library Building Area Table

1.	Cellar :	1042.26 Sq.Mt.
2.	Ground Floor :	
	South Back to office	07.32m. x21.49m = 157.30 Sq. Mt.
	Middle portion	07.32m. x21.49m = 157.30 Sq. Mt.
	Entrance Hall	09.15m.x12.88m = 117.85 Sq. Mt.
	Waiting Hall	11.86m.x06.10m = 072.34 Sq. Mt.
	Seminar Room 1.	05.49m.x06.63m = 036.39 Sq. Mt.
	Seminar Room 2.	05.79m.x06.63m = 038.38 Sq. Mt.
		579.56 Sq. Mt.
3.	First Mezzanine :	
	Librarian Room.	07.39m.x06.1m.= 45.07 Sq. Mt.
	Middle Part.	12.88mx07.39m.= 95.22 Sq. Mt.
	Assistant Librarian	
	Room No.2	07.39m.x06.1m.) = 45.07 Sq. Mt.
		185.36Sq.Mt.
4.	First Floor :	
	Reading Room.	09.15m.x26.44m. = 241.92 Sq. Mt.
	Reading Room.	09.15m.x26.44m. = 241.92 Sq. Mt.
		483.84 Sq. Mt.
5.	Second Mezzanine :	
	Middle part.	07.39x12.19m = 90.08 Sq. Mt.
	Cabin-1.	03.69x04.14m = 15.27 Sq. Mt.
	Cabin-2.	03.69x04.14m = 15.27 Sq. Mt.
	Cabin-3.	03.69x04.14m = 15.27 Sq. Mt.
	Cubicals 6 nos. x	02.44x02.29m. = 33.52 Sq. Mt.
		169.41 Sq. Mt.
	Library Building-Built Area:	40.79mx27.81m=1134.36 Sq. Mt.
6.	Cabin level (Third Mezzanine) :	
	Middle Part.	07.39m.x26.44m.=195.39 Sq. Mt.
	Cabin Nos.	03.69m.x4.14m. = 45.82 Sq. Mt.
		241.21Sq.Mts.
		579.56 Sq. Mts. Ground Floor
		483.84 Sq. Mts. First Floor - reading room
		169.41 Sq. Mts. Second Mezzanine (Cubicles, cabins etc.)
		185.36 Sq. Mts. First Mezzanine (Librarian room, Middle parts, Asst. Librarian Rooms.
		241.21 Sq. Mts. Cabin level (Third Mezzanine)
		1042.26 Sq. Mts. Cellar
		2701.64 Sq. Mts.
		Total carpet area of Gujarat University Library Main Building)

- \* Total seating capacity for 600 students.  
Separate Reading Centre for Research Scholars is also available in the Library building.
- \* Working hours (on working days, on holidays, before examination, during examination, during vacation)

### Central Library

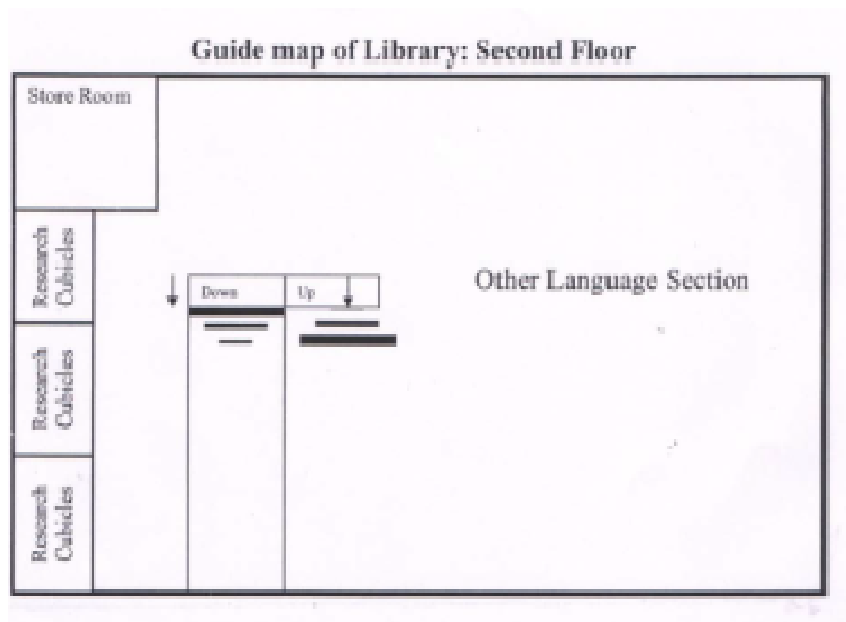
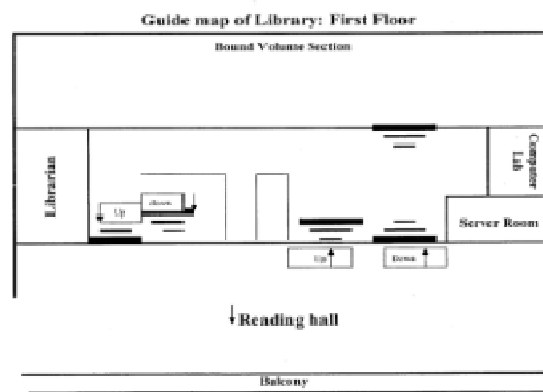
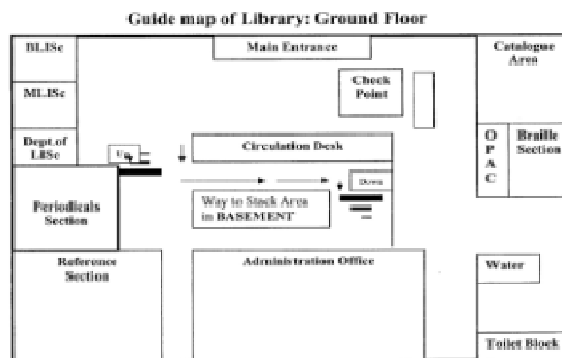
Sr. No.	Particulars	Working Hours
1.	Working days	07.00 a.m. to 06.10 p.m.
2.	2 <sup>nd</sup> & 4 <sup>th</sup> Saturday	09.00 a.m. to 04.00 p.m.
3.	During vacation	10.00 a.m. to 06.10 p.m.

At library extension centres.

- (1) SardarPatel Reading Hall
- (2) Shri VimalbhaiVanchanKendra :Saraspur, Ahmedabad
- (3) VanchanKendra :Khokhra, Ahmedabad
- (4) VanchanKendra :Hajipura, Ahmedabad

Sr. No.	Particular	Working Hours
1.	Working Days	08.00 a.m. to 08.00 p.m.
2.	Weekly Holidays	08.00 a.m. to 08.00 p.m.
3.	During Vacation	10.00 a.m. to 06.10 p.m.
4.	During Examination	08.00 a.m. to 10.30 p.m.

- \* Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)



- \* **Display** of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection
  - **We possess the requirement mentioned as above**

## 4.2.3 Give details of the library holdings :

## a) Print (books, back volumes and thesis)

Books - 03,60,322      Thesis - 3,491  
 Dissertation - 16,639      Back Volumes - 39,708

## b) Average number of books added during the last three years.

Years	Total Added
2011-12	2056
2012-13	5116
2013-14	2693

## c) Non Print (Microfiche, AV)

400+ AV Cassettes for brails students

## d) Electronic (e-books, e-Journals)

e – Books : 01,00,000+  
 e – Journals : 08,500+  
 Data bases : 11

## e) Special collections (e.g. text books, reference books, standards, patents)

Reference Books : 31,596

## f) Book Banks : At Departmental Library

## g) Question Banks : Question Papers of Various discipline have been upload on Intuitional Repository : Sampada of Gujarat University

## 4.2.4 What tools does the library deploy to provide access to the

- \* **OPAC**  
OPAC Access centre in central library also excess provide through web OPAC & websites.
- \* **Electronic Resource Management package for e-Journals.**  
UGC INFONET Digital library Consortium of UGC INFLIBNET  
- 8500 + e-Journal & 11 + Databases from UGC INFONET Digital Library Consortium
- \* **Federated searching tools to search articles in multiple databases is in process.**
- \* **Library Website** : Presently accessible from all Department Planning for separate Website
- \* **In-house/remote access to e-publications campus access e-Resource & Remote for OPAC**

#### 4.2.5 To what extent is ICT deployed in the library? Give details with regard to

- \* Library automation :Automation has been completed
- \* Total number of computers for general access : 35
- \* Total numbers of printers for general access : 02
- \* Internet band width speed : 1 gbps
- \* Institutional Repository : Yes, Sampda of Gujarat University
- \* Content management system for E-learning: *We are in process of generating same E-Content development forvarious subjects, in addition to this the same is beingoriented to the readers to Access [e-PG Pathshala](#) of UGCINFLIBNET*
- \* Participation in resource sharing networks/consortia (like INFLIBNET) : YES

#### 4.2.6 Provide details (per month) with regard to

- \* Average number of walk-ins :06,700
- \* Average number of books issued/returned  
Issued : 600, Returned : 600
- \* Ratio of library books to students enrolled :3,60,322 : 3,094
- \* Average number of books added during the last four years  
2010 - 11 : 3,271      2011 - 12 : 2,056  
2012 - 13 : 5,116      2013 - 14 : 2,693
- \* Average number of login to OPAC 1374 as per Register maintained, Server log records may be very high.
- \* Average number of login to e-resources

**(A) UGC –INFONET Digital Library Consortium**

UGC-INFONET Digital Library Consortium Publisher wise Usage Statistics for 2013														
Gujarat University													Rank	37
Sl.No.	Res name	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	
1	ACS	1930	1987	1142	1192	2062	1745	2383	1840	926	1037	716	2041	19001
2	AIP	104	117	41	95	110	98	4	17	217	44	0	0	847
3	APS	24	49	92	26	133	81	50	60	37	108	12	66	738
4	AR	13	21	28	28	20	11	26	25	17	25	11	15	240
5	CUP	30	9	11	15	31	26	19	21	6	8	2	12	190
6	Elsevier	5816	4637	5180	4903	3279	6807	12178	6202	4264	6030	2853	5380	67529
7	IOP	58	73	61	73	95	87	77	82	79	85	52	102	924
8	JCCC	27	24	114	120	30	9	11972	10135	11921	4619	NA	NA	38971
9	Muse	0	0	4	8	3	0	400	16	7	5	0	11	454
10	OUP	203	188	216	281	152	136	201	76	136	155	53	152	1949
11	RSC	4705	1859	355	540	390	1077	1464	460	440	819	1111	622	14242
12	Springer	1592	1117	1087	1192	1487	1144	1901	1414	1144	1461	1006	1624	16169
13	T&F	298	320	351	767	244	399	1063	878	436	486	289	403	5934

**(B) Usage of e - Books**

Year	Pages Viewed	Pages Copied	Pages Printed	Unique Document	User Sessions	Chapter / Range Download	Full Title Download
2013-14	8075	2651	374	243	953	795	236

\*Number of IT (Information Technology) literacy training Organized.

A common orientation programme was organized for faculty members researchers & students of post graduate departments which was conducted at independently at every department.

**4.2.7 Give details of specialized services provided by the library with regard to**

- \* Manuscripts : Yes
- \* Reference : Yes
- \* Reprography/Scanning : Yes
- \* Inter-library Loan Service : Yes
- \* Information Deployment and Notification : Yes
- \* OPACS : Yes
- \* Internet Access : Yes
- \* Downloads : Yes
- \* Printouts : Yes
- \* Reading list / Bibliography compilation : Yes
- \* In-house / remote access to e-resources : Yes
- \* User Orientation : Yes
- \* Assistance in searching Databases : Yes
- \* INFLIBNET / IUC facilities : Yes

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

4.2.9

**(A) For Book**

Sr. No.	Five year Plans	Time Period	Time Period	Book Purchase Expenditure
1	UGC 12 <sup>th</sup> plan	2013 to 2017	Total Rs. 150 Lakhs First Instalment Rs. 62.5 Lakhs	Rs. 51,94,742/- (As on 31-3-2014) Book purchase is in process for current plan.

**(B) For Journals**

Sr. No.	Particulars	Amount((Rs)
1	Print Journals	Rs. 5 Lakhs
2	e- Journals	UGC-INFONET Digital Library Consortium & also some provision in UGC 12 <sup>th</sup> plan (Rs.150 lakh)

4.2.10 What initiatives has the university taken to make the library a ‘happening place’ on campus?

- Book fairs
- Book exhibition
- Orientation to use of ICT for new readers.
- Exhibition of rare books.
- MOU has been signed with INFLIBNET for ETD
- Funds have been increased for modernization of library.
- Reading cubicles have been provided to the scholars
- Reading facilities have been provided in keeping special needs of the readers.

4.2.11 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

- Feedback from the readers is taken regularly through survey during user orientation programme and facility is also available on institutional repository and website.
- Surprise visit of readers is carried out and their opinion is asked for improvement and requirements

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.

- a) Information Resource
- b) ICT Based Infrastructure

### 4.3 IT Infrastructure

#### 4.3.1 Does the university have a comprehensive IT policy with regard to

- **IT Service Management:** The University has a fully-fledged Central Computer Centre to implement, maintain and upgrade campus wide IT Services like intranet, internet and wireless services.
- **Information Security:** A powerful firewall device with anti-virus software protects the campus network from outside attacks and provides controlled and monitored internet access. The social networking sites and other objectionable sites are blocked.
- **Network Security & Risk Management:** The utility of campus network resources is restricted by authorized users only by way of usernames and password based as well as IP based authentication.
- **Software Asset Management :** The University has procured Windows based as well as Linux based software comprising of Operating Systems, Office Applications, Powerful Statistical Analysis Tools like SPSS, Language Laboratory Management software, Library Management software (with support from INFLIBNET), etc.
- **Open Source Resources:** The University strongly encourages usage of Open Source Environment by using Operating Systems like Ubuntu, SuSe, RedHat and Open Office etc. for cutting down the software related license expenses.
- **Green Computing:** In order to conserve energy and perform its duty towards environment friendly campus, the University has decided to use LED monitors instead of CRT monitors (around 1100 computers out of 1500 are with LED monitors). The University has started using Thin Client technology computers which consume almost 60% less power compared to conventional Desktop computers. The active network devices used are also green compliant.



## 4.3.2 Give details of the university's computing facilities i.e., hardware and software.

- Number of systems with individual configurations :

System	Configuration	Nos.
Servers	Intel Xeon 2900 Processor, 4 GB RAM, 2x160 GB HDD, 17" LED monitor, DVD RW	14
Servers	Intel Xeon 2 x X56602 Processor, 32 GB RAM, 4x600 GB HDD SAS, 18" LED monitor, DVD RW	6
Servers	Intel Xeon 2 x X56602 Processor, 32 GB RAM, 4x600 GB HDD SAS, 18" LED monitor, DVD RW	6
Desktops	Intel C2D E8400 Processor, 2 GB RAM, 160 GB HDD, 17" LED monitor, DVD RW	200
Desktops	Intel C2D E8400 Processor, 2 GB RAM, 320 GB HDD, 17" LED monitor, DVD RW	700
Desktops	Intel i5-2500 Processor, 4 GB RAM, 320 GB HDD, 17" LED monitor, DVD RW	200
Thin Clients	128 MB Flash ROM, 512 MB RAM, 17" LED monitor, ICA/RDP client	200
Thin Clients	1 GB Flash ROM, 1 GB RAM, 18" LED monitor, ICA/RDP client	200

- **Computer-Student Ratio** : 01: 06
- **Dedicated computing facilities:** About 100 computers are dedicated to special purpose scientific computational usage or connected to control and monitor scientific instruments in various labs.
- **LAN facility:** All computers are connected with the campus wide GUNET comprising of 10 GB Fiber Optic Backbone connecting 42 buildings and 1 GB CAT-6 connectivity with in each building.
- **Proprietary software:** The University has acquired special purpose proprietary software for subject specific processing like Statistical Analysis (SPSS), Image processing and VMS Operating System on Alpha Servers.
- **Number of nodes/computers with internet facility:** All computers/Nodes are connected to the campus wide network (GUNET), which provides internet connectivity obtained through National Knowledge Network (NKN) and National Mission for Education through ICT (NMEICT) project of MHRD.
- **Any other (please specify) :** The Central Computer Centre has powerful Alpha Servers with VMS Operating Systems to provide administrative and Examination Result processing facility to other departments.

- 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?
- To provide IT enable classes to each departments.
  - Internet connectivity to each student.
- 4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database / packages provided to the staff and students for quality teaching, learning and research.
- The University has subscribed e-Journals through UGC-INFLIBNET for the benefit of faculties and research students. The University has also subscribed 8000+ titles in the form of e-Books covering various subjects of Science, Humanities, Managements and Computer Science etc.
  - Special databases are also subscribed for Management and Commerce students of research purpose.
- 4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?
- During last four years, the University has provided Computers equipped with fast intranet and internet facility. Interactive Panels with Projection Systems are provided to each department for computer based teaching.
- 4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?
- In order to deliver effective teaching and quality research, the teachers are provided with powerful tools of Computers - Projection Systems- Interactive Panels coupled with high speed internet and access to most reputed international e-Journals, e-Books and Commercial Databases.
- 4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?
- Majority of the classes are using extensively the facility of computer-aided teaching by means of Computer and Projection Systems having internet access for enhancing the quality of teaching and learning.
- 4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?
- Rollwala Computer Centre and EMMRC help to generate and full fill the needs of the faculty.
- 4.3.9 How are the computers and their accessories maintained?
- The computers and their accessories are maintained through comprehensive Annual Maintenance Contract (AMC) with competent agencies.

4.3.10. Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

- The University has obtained the central internet connectivity through National Knowledge Network (NKN) and National Mission for Education through ICT (NMEICT) project of MHRD.

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

- Yes, through INFLIBNET such resources are available.

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

- Rs. 35 Lacs (1<sup>st</sup> Instalment) in the 12<sup>th</sup> plan
- Rs. 04 Lacs / year to the computer centre
- Special Budget Heads “Computer Expense” to each departments of the university.

4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

- Digitalization process is initiated
- Webo Metrix be prepared

#### 4.4 Maintenance of Campus Facilities

4.4.1 Does the university have an estate office/designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

- Yes
- University Engineer (Civil) & Deputy Engineer (Electrical) are looking after all the affairs related to estate.
- University has constructed road side walls, Tar and pavers roads and landscapes gardens to improve the ambience of the university.

4.4.2 How the infrastructure facilities, services and equipment are maintained? Give details.

- For the maintenance of equipment’s, formal rate contracts are made with concern manufacturing companies and or repairers / suppliers.

***Any other information regarding Infrastructure and Learning Resources which the university would like to include.***

## CRITERION– V : STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

- Yes
- A student information centre was established long back by the university to cater need of students.
- In addition some special remedial classes and NET / SLET coaching class schemes are also initiated for many subjects.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

- Project work : In house with outside expertise
- Dissertation : Certified by internal/external supervisor
- Industrial Tour : For onsite experience
- Excursions : Learn to be with nature and natural habitat
- Study Tour : To study original status
- Field Work : Group/individual learning
- Seminar, Quiz : To enhance the competency
- Science Excellence : To popularize science

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

- Yes
- Career counselling, soft skill development, career-path-identification, and orientation to well-being for its Students University have established facilities at H. K. Training Centre, Study Abroad Program (KADAMB) and B. K. School of Business Management.
- Employment bureau office located in the university to guide the PG students for their employment queries.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

- Yes
- State Bank of India (SBI) Gujarat University Branch is functioning in the University campus and is providing above facilities directly to the students/staff.

- 5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?
- Yes
  - Budget, Annual Report, Vidyavrut (Quarterly Newsletter), Vidya (Research Journal) are published by the University.
  - Circular / Notices, Library access and other information are also provided through University website.
- 5.1.6 Specify the type and number of university scholarships / free ships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG / PG / M.Phil. / Ph.D. / Diploma / others (please specify).
- Meritorious students and category students are provided with necessary scholarship as per State Government rules.
  - Some science departments are having their own source from which they award special scholarship for higher studies
- 5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?
- Yes, all category students.
  - Students are receiving Inspire Fellowship for meritorious student, Rajiv Gandhi Fellowship for ST/SC students, Moulana Azad scholarship for minority students, UGC single Girl Child Fellowship, Women Scientist Fellowship from DST.
- 5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?
- Yes
  - University has established centre for Study Abroad Programme (KADAMB).
- 5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?
- Yes
  - Branch of State Bank of India is functioning in the University campus and is providing above facilities directly to the students.
- 5.1.10 What types of support services are available for
- \* Overseas students
    - A centre for Study Abroad Programme has evolved the fast track admission process for overseas students.
    - Separate hostel facilities were created for overseas students.
    - Other facilities Medical / Hospital are also created for them.

- \* **Physically challenged / differently-able students**
  - These category students are provided admission as per the provision of the State Government and UGC.
  - Most of the buildings have ramp facilities for their easy access.
  - During the examination these students are provided with separate seating arrangement at ground floor and if required, writers are also provided to visually/physically challenged students.
- \* **SC/ST, OBC and economically weaker sections**
  - Admissions are provided as per the provisions of UGC and State Government.
  - Remedial classes for category of students are organized by some teaching departments.
  - UGC Funded schemes are operating for remedial, NET / SLET training.
- \* **Students participating in various competitions/conferences in India and abroad**
  - Students are encouraged to participate at national/international events organized by various subject organizations, also provided with necessary leave and concessional rate travel for study tour program in many subjects by the university.
- \* **Health Centre, Health Insurance, etc.**
  - Students are provided with the dedicated Health Centre facilities as mentioned earlier
- \* **Skill development (spoken English, computer literacy, etc.)**
  - Centre of SCOPE is functioning on campus for spoken English proficiency.
  - Orientation programme for Computer Literacy are regularly organized by the University.
  - Computers on Wheel (COW): Computer On Wheels (COW) a mobile computer laboratory visits various localities of Gujarat University area to impart basic computer awareness/education to the learners/users.
  - This computer van is equipped with 16 computers, server and internet facilities with power backup and computer instructor.
- \* **Performance enhancement for slow learners**
  - Special remedial classes are arranged for slow learners
- \* **Exposure of students to other institutions of higher learning/ corporates/business houses, etc.**
  - Yes
  - Programmes like industrial tour, field work, projects, excursion, trainings and study tours are part of syllabus in all most all the faculties to provide exposure to the students to other institutions of higher learning/corporate/business houses, etc.
- \* **Publication of student magazines**
  - Yes

- Vidyavrut a magazine to showcase university activities, other than that students of some departments are publishing/circulating printouts and handouts for events and happenings information

5.1.11 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

- Yes, NET/SET classes for some subjects are arranged by the university.
- Around 463 students were accommodated in this classes during the year 2013 – 2014

5.1.12 Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

- \* Additional academic support and academic flexibility in examinations
  - Carried forward system is implemented to save the academic year of the student.
  - Flexible examination schedules are followed for such students.
- \* Special dietary requirements, sports uniform and materials
  - Concern players are advised for specific dietary supplements on regular basis
- \* Any other (please specify)
  - Special sports uniform and related materials are provided to such students.
  - Full financial assistance for their dietary requirements in such events is also provided.
  - University Level, Zonal Level, State Level, National Level Sports, Youth Festival calendar is followed and necessary information is circulated to all the departments so that students can participate in various sports.

5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?

- In house employment exchange bureau is functioning in the University especially for PG students.

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

- Campus interviews are conducted at departmental level.

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

- University website display alumni association registration facility

- Department level alumni association are formulated and respective departmental faculties are interacting with their alumni

5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

- Yes, the grievances if reported are redressed by observing the prevailing norms of university.

5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

- Yes
- University have Women Development Cell (WDC) and ICC panel to address such events.

5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

- Yes
- NIL

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

- The co-operation of all its stake holders like the court, the academic council, the executive council is obtained to solve student's related problems.

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- University Level, Zonal Level, State Level, National Level Sports and Youth Festival calendar is observed and is circulated to all the departments so that students can take part in the various activities



## 5.2 Student Progression

5.2.1 What is the student strength of the university for the current academic year? Analyze the Programme-wise data and provide the trends for the last four years.

<b>Student Progression</b>	<b>%</b>
UG to P.G.*	20
PG to M.Phil.*	5 to 7
PG to Ph.D.	5 to 7
Ph.D to Post - Doctoral	<1
Employed	
• Campus selection	
• Other than campus recruitment	

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

P.G.	:	91%
M.Phil.	:	98%
Ph.D.	:	80%

5.2.3 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

- Appeared about 20%
- Qualified about 02%

5.2.4 Provide category-wise details regarding the number of Ph.D. / D.Litt. / D.Sc. theses submitted / accepted / resubmitted / rejected in the last four years.

<b>Sr. No.</b>	<b>Year</b>	<b>Ph.D. Thesis Submitted</b>	<b>Ph.D. Thesis Accepted</b>	<b>Ph.D. Thesis Resubmitted</b>	<b>Ph.D. Thesis Rejected</b>
1.	2007 - 08	069	069	-	-
2.	2008 - 09	094	094	01	-
3.	2009 - 10	103	103	-	-
4.	2010 - 11	112	112	-	-
5.	2011 - 12	112	112	-	-
6.	2012 - 13	095	095	-	-
7.	2013 - 14	087	087	01	-

### 5.3 Student Participation and Activities

- 5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

Years	Details	Ranks
2010 - 2011	Tennis	Runners up - West Zone
	Tennis	All India+
2011 - 2012	Tennis	Runners up - West Zone
		Runners up - All India
	Table Tennis	Runners up - West Zone
2012 - 2013	Tennis	Runners up - West Zone
	Swimming	All India - II & III Place
2013 - 2014	Tennis	Runners up - West Zone

- 5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

#### Winner List of National Inter University Youth Festival

Years	Place	Winners Names	Events	Positions
2010-11	Shri Venkateshwar University, Tirupati, Andhrapradesh	-	-	-
2011-12	RTM Nagpur University, Nagpur, Maharashtra	Tapodha Parv	Classical Inst. (Non-Percussion)	2 <sup>nd</sup>
2012-13	University of Kalyani, Kalyani West Bengal	Anjaria Sapan	Classical Instrumental (P)	2 <sup>nd</sup>
		Moushumi Das	Western Vocal	2 <sup>nd</sup>
		Tapodhan Parv	Classical Instrumental (NP)	3 <sup>rd</sup>
		Chin Kapsian Muang	Group Song Western	3 <sup>rd</sup>
		Malik Mugeesh		
Moushumi das				

		Rodrigues Sandra		
		Rongmei Lankhuingam		
		Karani Stuti	Light Vocal (I)	4 <sup>th</sup>
2013-14	Kurukshetra University, Kurukshetra, Haryana	Das Moushumi Shovan	Western Vocal	1 <sup>st</sup>
		Gokli Darshini Digish	Group Song Western	1 <sup>st</sup>
		Tharian Roshni Prakash		
		Christie Roselyin Francis		
		Das Moushumi Shovan		
		Shastri Balraj Narendrabhai		

### Winner List of West Zone Inter University Youth Festival

Year	Place	Winner Name		Event	Position
2010-11	Jiwaji University, Gwalior, Madhya Pradesh	1	Valiyaveetil Paulie	Group Song Western	2 <sup>nd</sup>
		2	Prasad Yashvardhan		
		3	Christian Prince Ezekiel		
		4	Shah Shaili Rajesh		
		5	Sarma Nayna		
		6	Stella Ebenezar	One Act Play	2 <sup>nd</sup>
		7	Shah Khyati A.		
		8	Fathani Niyati S.		
		9	Mathur Kajri V.		
		10	Tejas Gamit A.		
		11	Trivedi Aagna G.		
		12	Adwani Kanchan G.	Skit	3 <sup>rd</sup>
		13	Chaudhari Ronak J.		

		14	Fathani Niyati S.		
		15	Trivedi Aagna G.		
		16	Nutan Neha N		
		17	Ramchandani Hitesh		
		1	Gujarat University Team	Cultural Procession	2 <sup>nd</sup>
2011- 12	Mohanlal Sukhadia University, Udaipur Rajsthan	1	Parv Tapodhan	Classical Instrumental (NP)	1 <sup>st</sup>
		2	Mario D'souza	Mime	3 <sup>rd</sup>
		3	Hilda Harmony		
		4	Paulie Thomas		
		5	Anusha Iyer		
		6	Shriraj Khambete		
		7	Shridhar Sanghvi		
2012- 13	Veer Narmad South Gujarat University, Surat, Gujarat	1	Anjaria Sapan	Classical Instrumental (P)	1 <sup>st</sup>
		2	Tapodhan Parv	Classical Instrumental (NP)	1 <sup>st</sup>
		3	Karani Stuti	Light Vocal (I)	2 <sup>nd</sup>
		4	Moushumi Das	Western Vocal	2 <sup>nd</sup>
		5	Chin Kapsian Muang	Group Song (Western)	2 <sup>nd</sup>
		6	Christian Priya		
		7	Malik Mugeesh		
		8	Moushumi das		
		9	Rodrigues Sandra		
		10	Rongmei Lankhuingam		
2013- 14	Shivaji University, Kolhapur, Maharashtra	1	Das Moushumi Shovan	Western Vocal	1 <sup>st</sup>
		2	Gokli Darshini Digish	Western Group	1 <sup>st</sup>
		3	Das Moushumi Shovan		
		4	Tharian Roshni Prakash		
		5	Christie Roselyin Francis		
		6	Shastri Balraj		

		7	Gaud Sachin	Cartooning	1 <sup>st</sup>
		8	Varasada Kabirdan	Classical Instrumental (Per.)	3 <sup>rd</sup>
		9	Shastri Balraj	Classical Vocal	3 <sup>rd</sup>

5.3.3 Does the university conduct special drives /campaigns for students to promote heritage consciousness?

- University cooperates local bodies for conductance of such drives/campaigns in informal manner with specific departments

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

- As part of departmental level activities some departments are encouraging students for wall magazine with daily motivational captions, short stories and internal circulation publications.
- Department of Botany is publishing e-newsletter “ANKUR” at university website

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

- Elective students unions are formed by various schools of the university
- Students are also elected in the court and students welfare for stipulated time.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

- Board of Studies are represented by meritorious students from PG programme.
- There are about ten students representatives in the court of the university.

***Any other information regarding Student Support and Progression which the university would like to include.***

## **CRITERION –VI : GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

#### **6.1.1 State the vision and the mission of the university.**

##### **VISION**

- To be a Centre of Excellence
- Providing value based Quality Education
- Efficiency with Financial sustainability
- Leading to Socio - Economic Welfare of the Society through Enrichment of Human Capital

##### **MISSION**

- Empowering Students through Modernized Syllabi
- Innovation in Teaching
- Promotion of Research, Consultancy and Extension for the Benefit of the Society
- Quality improvement to Enhance Global Competitiveness

#### **6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?**

- Yes, the mission statement defined the university's distinctive characteristics in terms of addressing the need of the society and the students.
- Students learn to contribute in any accidental circumstances arise in society
- Students also compete to improve academic competency globally

#### **6.1.3 How is the leadership involved the leadership in form of university authorities viz : The Vice Chancellor, the Academic Council and the Executive Council are involved in academic as well as administrative decisions like:**

- Ensuring the organizational management system and developmental approaches, implementation and continuous improvement benefited through timely feedback
- Constructive interaction with its stakeholders
- To work for reinforcing a culture of excellence in academics and organizational administration
- To identify organizational needs and striving to fulfil them. Hence, the futuristic plans for academics and administrative needs are laid down and planed towards the fulfilment of such justified goals

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

Yes,

- Registrar
- Chief Librarian
- Controller of Examination
- Director, College Development Council
- Director of Computer Centre
- Two Account Officers

Above top leadership positions of the university are lying vacant for more than a year. Though University has advertised for the above positions at least 3 times because of some technical and some administrative reasons, the university is not in a position to select desired/eligible candidates for the above positions.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

- Yes, statutory body meetings are organized regularly to address issues arise

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

- Dean of faculties, Director of Schools, Head of the Departments
- Board of Studies
- Building Committee, Finance Committee
- Research and Development Council
- University Court, The Academic Council, The Executive Council, Woman's Development Council, ICC Panel etc.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

- University leadership is always open to its affiliated colleges for their autonomous status.
- The colleges if apply for the autonomous status, university takes the necessary actions and the application are forwarded to the UGC.

6.1.8 Have any provisions been incorporated/introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

- Yes, there is a provision

6.1.9 How does the university groom leadership at various levels? Give details.

- The students are encouraged to participate in election/selection to become class representative/general secretary/ladies representative/court member/and members of board of student welfare.

- Similarly certain seats are reserved for junior faculty members (< 10 years' experience) to become member of University court.
- Junior teachers are also mandatorily included in the board of studies of all subjects.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

- For each faculty, specific innovative ideas from stakeholders are addressed for due implementation through respective statutory bodies.
- In the recent years university has established university level knowledge consortium where the academic and the departmental administrative matters are reported for smooth functioning.

6.1.11 How the following values are reflected the functioning of the university?

\* contributing to national development

- Faculty members have Inter and intra university research projects.
- Faculty members are actively involved and represent as resource persons, session chairs, subject experts and key note speakers.
- Professor & Head of Education Department has been assigned as Census Centre by MHRD for western region of India.
- A research concerning fluorosis prevalent in Gujarat and associated states is carried out by Zoology Department.
- Some faculty members of Law discipline are actively associated with bar council.

\* fostering global competencies among students

- Students are motivated to participate in Academic Olympiads.
- Teachers and research students are encouraged and given financial assistance to participate in international conferences, Seminar, Workshop etc...

\* Inculcating a sound value system among students Promoting use of technology

- Campus of the University is well equipped with intra and intranet facilities.
- The Wi-Fi enable campus facilities is in progress
- Well-equipped computer laboratories with multimedia facilities are established in many departments.

\* Quest for excellence

- Certain identified subjects and departments were encouraged to undertake National & International assignments.
- Botany, Chemistry & Physics Departments have DRS-SAP & FIST programmes.
- Microbiology Department was having MoU with British Petroleum for renewable energy sources.
- Department of Education is actively engaged in MHRD funded



programmes for Census.

- Department of Sanskrit has collected rarest of rare manuscripts of Abijnana Shakuntalam from India office Library of London & Bodleian Library of Oxford University.

## 6.2 Strategy Development and Deployment

### 6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

- Educational policies are fundamental in any developmental plan. System in accordance with its stakeholders actively working for need based curriculum which can be transformed frequently to be a major learning/teaching centre of the state.
- \* **Vision and mission**
  - To provide sustainable education to the students of Urban, Rural, and Tribal area of the University.
  - To make Gujarat University Campus a *Smart Campus* where teachers, administrators and students like various stakeholders will become responsible techno savvy
- \* **Teaching and learning**
  - Interactive and smart class rooms are developed in almost all departments with the facilities of interactive board, Projectors, Computer with high speed intranet and internet facility and AV facility
  - e-library resources to be enriched further and its utilization will be made maximum.
  - Flexibility on earning the credits is provided to the students of University departments as well as of affiliated colleges.
- \* **Research and development**
  - Front areas of research identified by State, National & International bodies are being executed by various faculty members and are getting necessary funds from multinational companies like British Petroleum, national research funding agencies like UGC, MoES, MoEF, DST, MHRD, DBT, SAC/ISRO, CSIR and State level Agencies like GUJCOST, GSBTM, Forest Department etc.
- \* **Community engagement**
  - Literacy Mission, NSS, NCC, Vanche Gujarat, Green Campus, through NSS, RO drinking water facilities, approach roads maintenance are some of the activities to where the students are actively participate by staying with the local people of identified villages for more than two weeks programme.
  - Training programme for home gardening and greetings card making out of plant materials is also organized with special plantation programme
  - Dr. Gaurang Jani of Department of Sociology, School of Social

Sciences is working at grass root level research in the field of AIDS awareness/control programme by engaging affected individuals and/or family.

\* **Human resource planning and development**

- Faculty/staff members are trained and deputed for some special needs of other universities, institutions and governmental assignments like central admissions at commerce, science, education, medical, paramedical as well as some government duties too.

\* **Industry interaction**

- University have industry interaction cell and many departments are inviting people from industry to interact with the faculties and to provide employment to the students.

\* **Internationalization**

- University has got interactive programmes with many Foreign Universities.
- Study Abroad Program (KADAMB) was established to look after international linkages.

6.2.2 **Describe the university's internal organizational structure and decision making processes and their effectiveness.**

- The curricula, the revision of curricula, selection of text books and reference books are approved by the board of studies of various subjects. The faculties, The Academic Council and The Executive Council are also taking keen interest in such affairs.
- Day to Day Administrative decisions are taken by involving a hierarchy of Head of the Departments, Senior Professors, Director of various schools, Development Officer, Chief Account Officer, Assistant Registrar, Deputy Registrar, The Registrar, Pro Vice Chancellor (if any), and the Vice Chancellor of University.
- All Administrative and Financial Decisions are taken by the finance committee, the building committee, the academic and executive council and also by the court of University.

6.2.3 **Does the university have a formal policy to ensure quality?**

**How is it designed, driven, deployed and reviewed?**

- University does have well established IQAC to monitor academic excellence and quality of the teaching faculties.
- University has always adopted the regulation laid down by the UGC from time to time for the same.
- The administrative functioning of University is monitored by the internal auditor, the external auditor and the government auditor too.

- 6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?
- The formal autonomy to the departments is not given but the University departments are allowed to work independently for the academic/administrative functioning. There are various schools in the university campus headed by directors who help departmental heads to achieve academic and administrative goals set up by the university.
- 6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?
- During the last four years some of the court cases relating to matter of affiliation of some of the colleges were filled in the court.
  - Cases related to employees promotion and disciplinary problems were also filed in the court.
  - Verdict/Directive of the court on such issues was dully considered by the university for necessary corrective majors.
- 6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyses the nature of grievances for promoting better stakeholder-relationship?
- University have independent student's/staff grievance cell to address the some common issues and complaints.
  - Women's Development Cell take care of problems and issues of girls students and women faculty members.
- 6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?
- Yes
  - Every year, University takes department wise feedback from the students and is analyzed by IQAC and the same is conveyed to the respective department for future consideration.
- 6.2.8 Does the university conduct performance audit of the various departments?
- Yes
  - University have the practice of taking the Departmental Annual Report, and the Self-Appraisal Report of the staff.
- 6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?
- University is organizing periodical awareness seminars for affiliated institutions to avail state and national level funding, NAAC accreditation and also to implement the national and state level mandatory provisions laid down for them.

- If required, university may send the local inquiry committee to access the academic and administrative standards laid down for the affiliated colleges/institutions.

6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

- The provision of college development council is there in the university set up and university is in the process of appointment of the director of CDC in near future.
- At present the functions of CDC are managed by Development Officer independently.

### 6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

- Teachers are given duty leaves and financial assistance to participate and present their research work at various national, international seminars / conferences / Workshops/Training etc.
- Faculty members are encouraged to submit research proposals for funding at various agencies of repute in the form of minor / major research projects.
- Teaching faculties are timely permitted to participate in Orientation / Refresher Courses.
- Teaching staff are also encouraged to become members/life members of various Academic Organizations.
- Non - Teaching staff are permitted to undergo CCC+, Computer Training, RTI Training, e-Tendering Training at Officer Level Training Courses and are provided with duty leaves and financial assistance too.
- Development Officer was registered to participate in international conference organized in USA.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

- Annual Self-Appraisal Report filed by all teaching faculties to the office of IQAC.
- There is no assessment bar for the administrative staff as per sixth pay commission; hence no such appraisal report is filed by administrative staff of the university.
- Based on Annual Self-Appraisal Report necessary guidance to the teachers is provided by arranging one day orientation program by the IQAC.
- Based on recommendation of the IQAC university decides the enhancement of scale and promotion of teaching staffs.

6.3.3 What are the welfare schemes available for teaching and non- teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

- For the welfare of teaching and non-teaching staff, the university has got a tie up with government insurance agencies for a group insurance scheme.
- More than 90% teaching and non-teaching staffs are covered/insured under the scheme of group insurance.
- Teaching and non-teaching staffs are provided with a loan of 1.5 lacs through a credit co-operative society set up in the university.
- Gujarat University Health Centre is set up to provide necessary emergency medicines to teaching and non-teaching staffs as well as students of the university campus.
- Specialist doctors are giving their voluntary services to all the staff members.
- For non-teaching staffs twice in a year university is providing interest free loan to procure necessary grain and other food items. They are also provided with one time festival advance of rupees five thousand during Diwali festival.
- Class III & IV employees are provided with a necessary loan to procure cycle and two wheelers, every three to five years.
- Class IV employees and technical Staff of university press and workshops is provided with a pair of Shoes and necessary Uniform every one or two years.

6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?

- Faculty serving in the university is provided with necessary infrastructural facilities and proper educational environment to carry out their research activities. They are also provided with housing facilities in campus, if required.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

- The gender audit in the formal way is not conducted by the university in the last four years. However, need based programmes were arranged for the girls students.
- Such as a popular talk on breast cancer organized in the year 2013.
- University has prepared male female statistics of the enrolled students and the faculty members.

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

- Yes
- WDC is organizing one day gender sensitization program on the occasion of Woman's Day on 8<sup>th</sup> March every year.
- Department of Education was given a grant of Rs.2.5 Lacs by State Project Director, Gandhinagar for the research project regarding genders sensitization.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?

- The young and fresh teachers of the university were encouraged to participate in orientation courses, refresher courses, short term courses, course of research methodologies and training for the enhancement of their academic competence. Such programmes are also extended to the other faculty members and the faculty members of various affiliated colleges.
- Academic Staff College has also organized required training programmes for the Administrative Staff of the University.

#### **6.4 Financial Management and Resource Mobilization**

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

- Gujarat university act has a provision of the finance committee, the executive council, and the court as institutional mechanism to monitor the use of financial resources.

6.4.2 Does the university have a mechanism for internal and external audit? Give details.

- Gujarat university has adopted a three tier management of financial matters :
  1. Internal audit of all the financial expenditures of various departments of university and the central office is carried out by in house auditors.
  2. Auditors from local fund office are doing the financial audit of all financial expenditures on yearly basis.
  3. Auditor of Account General Office is also monitoring the audit of financial expenditures periodically.

6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

- Yes
- The institutions accounts are audited regularly.
- The audit para, if raised, are addressed by involving the concern department.



6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

- The audited income and expenditures statements for the last four years are attached here with.

GUJARAT UNIVERSITY STATEMENT OF INCOME & EXPENDITURE FOR THE YEAR 2008-2009			
INCOME	AMOUNT	EXPENDITURE	AMOUNT
Examination Fees	71762685.04	Office Staff Expense	35326287.78
Other Fees	32909243.34	VC and Pro-VC Office Expense	117746.00
Sales of Uni. Publication	12167652.50	Exam Expense	96581196.31
Grants	169864585.73	Travelling Allowance	742233.00
Misc Income	18661011.59	Printing Stationery Postage Expense	1341777.70
Tuition fees P.Hd. & P.G. Centre	13463681.27	Sports & Students cultural Activity Expense	
Income From Health Centre	9096.00	(A) Sports Activity Expense	279757.00
Income From Guest House	26450.00	(B) Youth Welfare Activity Expense	124856.60
Uni. Hostels	804387.00	(C) N S S	2887172.00
Income From Land Estate	4960389.00	(D) University Health Centre Expense	2008103.00
Univesity Library	11571.00	(E) Extramural Activites Etc	0.00
Uni. Lib. Science Deptt	411900.00	University Publication Expense	1133380.00
Uni. Computer Centre	524552.00	Insurance, Taxes & Legal Expense	4374875.40
Uni. H. K. Professional Centre	330575.00	Other Office Expense	14815793.29
Uni. Dev. Communication Centre	9000.00	Fees Of Other Institution	310529.48
Journalism Department	47900.00	University Education & Research Activity	79817404.75
M.P.E	499485.00	University Land & Estate	9491421.00
		University Hostels	1705523.10
		Grant Expense	58662061.73
		University press Expense	3508919.73
<b>Total income</b>	<b>326464164.47</b>	University Library Expense	6075733.70
		University Library Science Expense	689910.11
<b>Excess Of Expenditure over Income</b>	<b>6676508.77</b>	University Computer Centre Expense	5302721.65
		Professional Training Centre Expense	709079.05
		Development Communication	623393.73
		Journalism Department	680913.60
		I.A.S Training Centre Expense	522137.48
		Providendfund, Gratuity, Leave Encashment	5001551.00
		Adult Education Expense	150067.00
		S.T.S.C. Cell	156128.05
<b>GRAND TOTAL</b>	<b>333140673.24</b>	<b>GRAND TOTAL</b>	<b>333140673.24</b>

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GUJARAT UNIVERSITY STATEMENT OF INCOME & EXPENDITURE FOR THE YEAR 2009-2010			
INCOME	AMOUNT	EXPENDITURE	AMOUNT
Examination Fees	75508999.95	Office Staff Expense	71835345.75
Other Fees	37877084.00	VC and Pro-VC Office Expense	104436.00
Sales of Uni. Publication	11706504.30	Exam Expense	114384532.79
Grants	232359215.95	Travelling Allowance Expense	624152.00
Misc. Income	23438564.54	Printing, Stationery, Postage, Expense	992527.00
Tuition fees P.Hd. & P.G. Centre	18674715.00	Sports & Students cultural Activity Expense	
Income From Health Centre	8626.00	(A) Sports Activity Expense	1521393.40
Income From Guest House	36350.00	(B) Youth Welfare Activity Expense	490632.00
Uni. Hostels	701628.00	(C) N S S	2810346.00
Income From Land Estate	2844200.00	(D) University Health Centre Expense	1918744.00
University Library	53889.00	(E) Extramural Activites Etc	392037.00
Uni. Lib. Science Deptt.	385900.00	University Publication Expense	1561191.00
Uni. Computer Centre.	478125.00	Insurance, Taxes & Legal Expense	5068695.94
Uni. H. K. Professional Centre	390060.00	Other Office Expense	21278097.29
Uni. Dev. Communication Centre	22800.00	Fees Of Other Institution	238021.00
Journalism Department	58100.00	University Education & Research Activites	90103447.97
M.P.E.	445635.00	University Land & Estate	11840383.00
		University Hostels	1600792.64
		Grant Expense	67285085.95
Total Income	404990396.74	University Library Expense	4986773.95
		University Library Science Expense	733983.28
Excess Of Expenditure over Income	9293043.41	University Computer Centre Expense	6155901.51
		Professional Training Centre Expense	780535.59
		Development Communication	724898.38
		Jounralism Department	829248.00
		I A S Training Centre Expense	404855.25
		Providendfund ,Gratuity,Leave	5236855.46
		Adult Education Expense	170555.00
		S.T.S.C. Cell	209973.00
GRAND TOTAL	414283440.15	GRAND TOTAL	414283440.15

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GUJARAT UNIVERSITY STATEMENT OF INCOME & EXPENDITURE FOR THE YEAR 2010-2011			
INCOME	AMOUNT	EXPENDITURE	AMOUNT
Examination Fees	89102052.00	Office Staff Expense	72823082.23
Other Fees	55606071.00	VC and Pro-VC Office Expense	134086.00
Sales of Uni. Publication	11421973.50	Exam Expense	108324092.90
Grants	321896211.75	Travelling Allowance Expense	931528.00
Misc. Income	17690146.06	Printing, Stationery, Postage, Expense	1756931.30
Tuition fees P.Hd. & P.G. Centre	31221139.40	Sports & Students cultural Activity Expense	
Income From Health Centre	7812.50	(A) Sports Activity Expense	2302181.52
Income From Guest House	10000.00	(B) Youth Welfare Activity Expense	422125.90
Uni. Hostels	748755.00	(C) N S S	2810663.00
Income From Land Estate	2362832.00	(D) University Health Centre Expense	2222407.76
University Library	40139.00	(E) Extramural Activities Etc	156950.00
Uni. Lib. Science Deptt.	479700.00	University Publication Expense	493590.70
Uni. Computer Centre.	363495.00	Insurance, Taxes & Legal Expense	4767971.67
Uni. H. K. Professional Centre	361200.00	Other Office Expense	22190826.59
Uni. Dev. Communication Centre	32300.00	Fees Of Other Institution	180250.00
Journalism Department	140800.00	University Education & Research Activities	182883942.00
M.P.E.	376605.00	University Land & Estate	14448095.00
		University Hostels	2369285.83
		Grant Expense	86689220.77
<b>Total Income</b>	<b>531861232.21</b>	University Library Expense	8912619.50
<b>Excess Of Expenditure over Income</b>	<b>8141641.67</b>	University Library Science Expense	1093759.18
		University Computer Centre Expense	11076791.25
		Professional Training Centre Expense	1183094.31
		Development Communication	604708.10
		Journalism Department	1342813.60
		I A S Training Centre Expense	821879.50
		Providendfund , Gratuity, Leave Encashment	6889461.27
		Audit Education Expense	227763.00
		S.T.S.C. Cell	634657.00
		Hirak Mahotsav Exp	1308096.00
<b>GRAND TOTAL</b>	<b>540002873.88</b>	<b>GRAND TOTAL</b>	<b>540002873.88</b>

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GUJARAT UNIVERSITY STATEMENT OF INCOME & EXPENDITURE FOR THE YEAR 2011-2012			
INCOME	AMOUNT	EXPENDITURE	AMOUNT
Examination Fees	82462956.00	Office Staff Expense	66301663.21
Other Fees	42693500.91	VC and Pro-VC Office Expense	186411.00
Sales of Uni. Publication	9026872.00	Exam Expense	118279910.13
Grants	342548681.66	Travelling Allowance Expense	918394.00
Misc. Income	13886265.83	Printing, Stationery, Postage, Expense	1307516.00
Tuition fees P.Hd. & P.G. Centre	47147208.00	Sports & Students cultural Activity Expense	
Income From Health Centre	31935.00	(A) Sports Activity Expense	2006322.07
Income From Guest House	1000.00	(B) Youth Welfare Activity Expense	365577.00
Uni. Hostels	918061.00	(C) N S S	4848434.50
Income From Land Estate	2485416.00	(D) University Health Centre Expense	2183974.09
University Library	45465.00	(E) Extramural Activities Etc	172650.00
Uni. Lib. Science Deptt.	379600.00	University Publication Expense	840026.00
Uni. Computer Centre.	303605.00	Insurance, Taxes & Legal Expense	6156629.37
Uni. H. K. Professional Centre	438060.00	Other Office Expense	23374120.91
Uni. Dev. Communication Centre	33700.00	Fees Of Other Institution	154851.00
Journalism Department	138400.00	University Education & Research Activities	169355772.52
Performing Arts Income	450000.00	University Land & Estate	16636233.00
M.P.E.	360550.00	University Hostels	2469792.03
		Grant Expense	73136344.12
		University press Expense	172831.50
		University Library Expense	9735367.32
		University Library Science Expense	1073905.25
		University Computer Centre Expense	10460481.76
		Professional Training Centre Expense	1383171.63
		Development Communication	418348.00
		Journalism Department	1268790.00
		I A S Training Centre Expense	734067.00
		Provident fund, Gratuity, Leave Encashment	11642124.99
		Performing Arts Expense	1682693.00
		Audit Education Expense	380826.50
		S.T.S.C. Cell	681439.00
		<b>Total Expenditure</b>	<b>528328666.90</b>
		Excess Of Income over Expenditure	15022609.50
<b>GRAND TOTAL</b>	<b>543351276.40</b>	<b>GRAND TOTAL</b>	<b>543351276.40</b>

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GUJARAT UNIVERSITY STATEMENT OF INCOME & EXPENDITURE FOR THE YEAR 2012-2013			
INCOME	AMOUNT	EXPENDITURE	AMOUNT
Examination Fees	158923890.02	Office Staff Expense	91600390.62
Other Fees	45667342.29	VC and Pro-VC Office Expense	111643.00
Sales of Uni. Publication	11470346.89	Exam Expense	120062046.80
Grants	407188131.35	Travelling Expense	2246339.00
Misc. Income	18413878.26	Printing, Stationery, Postage, Expense	1433599.00
Tuition fees P.Hd. & P.G. Centre	51004375.00	Sports & Students cultural Activity	
Income From Health Centre	7607.00	(A) Sports Activity Expense	1209929.52
Income From Guest House	7200.00	(B) Youth Welfare Activity Expense	493417.60
Uni. Hostels	950054.00	(C) N S S	4729818.54
Income From Land Estate	578000.00	(D) University Health Centre Expense	2659165.18
University Library	23560.00	(E) Extramural Activities Etc	7350.00
Uni. Lib. Science Deptt.	237900.00	University Publication Expense	585009.40
Uni. Computer Centre.	316650.00	Insurance, Taxes & Legal Expense	11798304.97
Uni. H. K. Professional Centre	732000.00	Other Office Expense	25705791.41
Uni. Dev. Communication Centre	93600.00	Fees Of Other Institution	200976.00
Journalism Department	130200.00	University Education & Research Activities	179025650.87
Performing Arts Income	969000.00	University Land & Estate	16802599.44
M.P.E.	252100.00	University Hostels	2903635.25
		Grant Expense	130070840.83
		University press Expense	3143713.02
		University Library Expense	18061867.06
		University Library Science Expense	1552042.74
		University Computer Centre Expense	13140504.85
		Professional Training Centre Expense	1498535.32
		Development Communication	414860.14
		Journalism Department	1862875.00
		I A S Training Centre Expense	819400.80
		Providendfund ,Gratuity,Leave Encashment	15172505.00
		Performing Arts Expense	1106630.00
		Audit Education Expense	561123.50
		S.T.S.C. Cell	749738.00
		Total Expenditure	649730302.86
		Excess Of Income over Expenditure	47235531.95
GRAND TOTAL	696965834.81	GRAND TOTAL	696965834.81

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#### 6.4.5 Narrate the efforts taken by the University for Resource Mobilization.

- During the period of last four years, university has constructed one of the biggest convention centres of our country and its management out sourced by the university, for which university is getting amount of Rs.8.5 Crores per year from the year 2012.
- In the recent years university has established various academic departments with the provision of the higher fees.
- University is also getting the necessary donations from various business houses and the donors for distribution of prizes, medals, to the meritorious students.
- A donation of Rupees five lacs was given to the department of journalism for the setup of library facilities in the year 2013.

#### 6.4.6 Is there any provision for the University to create corpus fund? If yes, give details.

- Yes, the unspent amount or reserved fund is now kept in Gujarat State Finance Corporation as corpus fund as per the guidelines of State Government.

### 6.5 Internal Quality Assurance System

#### 6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

- Yes
- Academic audit of the department is done through departmental annual report and self-assessment Performa of individual faculties.

#### 6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

- API and PBAS were made mandatory for every UGC cadre staff for their CAS Promotions.
- Ph.D. course work is made mandatory and implemented as per UGC guidelines, and the Academic Staff College was assigned the implementation part by IQAC / University.

#### 6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- IQAC is looking after some of the affairs related to teaching learning process.
- Board of studies of various subjects, various faculties and the Academic Council take care of framing the curricula of the UG and PG teaching programmes.



6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

- IDP related to RUSA is prepared and submitted to KCG.
- IDP related to RUSA for Academic Staff College is also prepared separately and submitted to KCG.
- Meetings with the directors and head of departments were arranged for mobilizing DST-FIST / DRS-SAP activity.
- Annual Self-Appraisal Form is designed.
- PBAS Form for CAS is designed for teachers, library staff and physical education staff.
- Application forms for the direct appointment of The Registrar, University Librarian and The Director - CDC are designed.
- Scrutiny of CAS applications and direct appointments were made by the IQAC office.
- Ph.D. course work is framed and the task is assigned to Academic Staff College for necessary planning.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?

- All the CAS related activities.
- Draft for 12<sup>th</sup> Plan requirements was prepared by IQAC office in coordination with subjective departments and was placed before the statutory authorities for necessary sanction.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

- Yes, the external members regularly attend the meetings and give their important feedback/suggestion for the better functioning of IQAC.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

- No, this task is addressed by individual departments

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

- Departmental Annual Report, Progress reports
- Self-Assessment Report of Individual Faculty.

***Any other information regarding Governance, Leadership and Management which the university would like to include.***

## CRITERION– VII :INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

#### 7.1.1 Does the university conduct a Green Audit of its campus?

- Yes
- University is offering M.Sc./Ph.D. programmes in Environmental Science and Climate Change Impacts Management for education, awareness and consciousness.
- Department of Botany and Department of Zoology have made Green Audit of University campus. These departments have also prepared two volume documentations on Flora and Fauna of the university campus.

#### 7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

- \* **Energy conservation:** University has planned to install LED light source for each teaching department and administrative facility for conservation of energy initiating with Department of Forensic Science and Department of Botany with appropriate devices and timers for electricity and air conditioners. We are also in process of collaboration with agencies dealing with alternative energy conservation.
- \* **Use of renewable energy:** Department of Botany, Gujarat University is having solar distillation unit to meet the requirement of Distilled Water for the laboratory experiments in the University School of Sciences.
- \* **Water harvesting:** University is having five percolation wells at Gujarat University Convention Centre and near university ladies hostel for conservation and harvesting of rain water.
- \* **Check dam construction:** University Estate Department has coordinated for design and construction of Check Dam/KhetTalavadi with several Gram Panchayat/Nagar Panchayat under the guidance of Botany Department.
- \* **Efforts for Carbon neutrality:** UGC project for woman scientist Dr. Anupa Singh, worked at Department of Botany. One Ph.D. degree is also awarded to Dr. AparnaRathod for Carbon Sequestration and Carbon Foot Print studies.
- \* **Plantation Programmes:** University is regularly organizing plantation programme. We have stock of more than 1500 trees within the campus area. We have two books published as collection of flora and fauna of the campus.
- \* **Hazardous Waste Management:** Department of Chemistry is having a pit for neutralization of hazardous chemicals and every department is asked to observe the guidelines of hazardous waste management authority from time to time
- \* **e-waste Management:** Department of Microbiology is coordinating one project funded by Gujarat State Biotechnology Mission (GSBTM), Gandhinagar for e-waste management. Besides this university every year

dispose of the unused certified electronic waste with agencies for necessary recycle and reuse.

- \* **any other (please specify) :** University is coordinating with NGO's and Government for plantation, pollution reduction, protection of birds, animals, trees awareness and education of environment and climate. University has declared University Main Building and University School of Sciences campuses as NO HONKING ZONE

## 7.2 Innovations

### 7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university.

- University is coordinating GUJCOST, IPR Cell, Gujarat University(Gujarat Council on Science and Technology, Gandhinagar) at Department of Botany for promotion of innovation in the fields of research and development. Every year, we organize at least two seminars and awareness programme for researchers and faculty members to excel in technological advancement.
- National Innovation Foundation(NIF) is also facilitator part of this programme.
- Centralized Online admission system is adopted for all its UG programmes for Science and Commerce faculties.
- Online admission process is adopted for M.Phil. and Ph.D. programmes.
- Introduction of barcoding, OMR sheets and hall tickets has led to confidentiality and transparency in the evaluation process.
- Extensive linking of campuses/departments through Wi-Fi has enriched the learning experience.
- Easy access to e-library and e-books/journals etc. has led to increase in the knowledge base and output in the form of publications.
- Introduction of partial objective types has ensured that the students have to do a thorough study of the syllabus.
- Introduction of CBCS, interdisciplinary and integrated courses provides more choices and also improved the career options for students.

## 7.3 Best Practices

- a. **Solid Waste Management:** Waste plant material is collected and organized at selected places/pits and wormy composting is practiced in coordination with expert company owned by alumni Dr. Suneet Dabke, Concept Biotech, Baroda as complementary support.
- b. Reduce – Recycle - Reuse concept is adopted by the University for strengthening of healthy environmental practices.

**c. Reforms in Examinations :**

- University has adopted Choice Based Credit System (CBCS) and Semester System for all UG, programmes from the academic year 2011 - 2012. The semester was also successfully implemented in all PG programmes from the academic year 2010-2011. Before CBCS pattern of all programmes was implemented, university used to have annual pattern of examination where there was no provisions of continuous mode of evaluation and/or internal evaluation in all PG programmes.
- Limited and selected numbers of questions were asked at the time of university examinations and so it was not possible completely cover the entire syllabus during the setting of question paper.
- Thus, students used to get good marks without in depth study of the entire syllabus.
- University along with the introduction of CBCS pattern also directed the examiners to set the question papers by creating the 5<sup>th</sup> question based on objective type or short questions in the question paper. In first four questions also examiners are directed not to ask the full questions, instead representative short questions are now asked in the question paper.
- Answer books are affixed with a computerized sticker barcode with required details like students name, exam number and other important information is covered/hide by putting the other brown paper sticker on information given by the students
- Only answer-books affixed with special brown sticker given to
- Examiners for assessment
- Centralized assessment system has been adopted by the University for All Levels of examinations.
- After assessment the barcode stickers are read by a computerized system.
- Computerized results sheets are then directly used by the Rollwala Computer Centre to prepare quick and reliable final results only by involving specialized computer programmes
- Objective of the assessment practice is to have transparency in the assessment of the answer-book and declaration of results without involving direct human help
- University is deemed to be one of the few universities that can declare the time bound results of all examination
- University has also evolved a system of rechecking and reassessment to address the student's grievances for the assessment and students are also allowed to procure the photocopies of their answer books through RTI with necessary fees.



**d. March towards paperless university:**

- The university is working for establishment as paperless organization and steps towards reducing the use of paper has already introduced. It has evolved an ICT enabled working in many of its functional units like teaching departments, administration, examination and the governance
- The Rollwala Computer Centre is constantly working on development tailor made user friendly software to meet these needs. Computerization of various functioning units in the university has reduced the use of paper and has also reduced the time and efforts required for its routine work
- Online filling and submission of examination forms, barcode based entry of mark-sheets, entry of internal and practical marks ensure quick processing, compilation and preparation of pre-examination records of all students which can be directly transferred to the data sheets for the processing of the final results
- e-mail/bulk messages are being used for notices, information regarding official meetings at the university central office to all the stake holders is practiced
- All most all the faculty and the university officials have been provided with the independent computer and high speed 1,000 mbps internet facility. This facility is also available in hostels, library and other administrative offices of the university.
- Most accounting work and other transactions like preparation of salary sheets and other payments are done by the use of computerized software.
- Biometric system for attendance of employee has been implemented in the university building.
- Many seminars rooms and conference halls in various departments are facilitated with LCD projection system and necessary Audio Video facility.
- All teaching departments are also provided with an interactive panel as more sophistication and supportive teaching aid.
- The university has a well maintained website ([www.gujaratuniversity.org](http://www.gujaratuniversity.org)) with all necessary information, downloadable forms, departmental profiles, alumni registration facility, results and necessary documents of all UG & PG programmes with required explanation of rules and regulations.
- University has cable base high speed inter and intranet to upgrade the campus of university as Wi-Fi campus.
- e-books and research journals are made available to the students and faculties through INFLIBNET and Central Library

**e. Consciousness towards preservation of environment:**

- Environmental Science and Climate Change Impacts Management programmes were introduced at PG and research level
- All biological Science departments have initiated their research activities pertaining to the environment.
- The main focus is on the understanding of core issues like laboratory waste, domestic waste management, solid waste management in the campus by the use of consortium of microorganisms and preparation of composting from the solid waste so collected.
- e-waste management is also addressed
- A compulsory paper on Environmental Science has been introduced at all UG programmes in the 2<sup>nd</sup> semester as an elective compulsory course.

**f. Quality enhancement - the major crunch:**

- Vacant teaching and non-teaching position at different departments
- Newly introduced programmes by the university needs supporting staff to fill up the lacunae in the human resources pool of the university.

**7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.**

- Online admissions and timely declaration of results
- Semester System with CBCS syllabus for all the UG and PG programmes

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## **E. Evaluative Report of the Departments**

**1. - S. D. School of Commerce**

1. Name of the Department :S.D. SCHOOL OF COMMERCE
2. Year of establishment : 1976
3. Is the Department part of a School/Faculty of the university? IT IS AN INDEPENDENT SCHOOL BELONGING TO FACULTY OF COMMERCE
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) M.Com. (with optional groups: Accounting and finance, Marketing and Finance, Statistics and Finance, International Business and Banking, accounting and Auditing), M.Phil. with specialization in accountancy, Management and Statistics, Ph.D. in Commerce, Accountancy, Economics and Management. Two self-financed Programmes : Post Graduate Diploma in Investment and Financial Analysis; Post Graduate Diploma in Financial Markets and Insurance.
5. Interdisciplinary Programmes and departments involved : NOT APPLICABLE
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NOT APPLICABLE
7. Details of Programmes discontinued, if any, with reasons  
The School used to offer one self-financed Programme – M.Com. integrated five year Programme.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester under choice Based Credit System
9. Participation of the department in the courses offered by other departments  
NOT APPLICABLE
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filles	Actual (including CAS & MPS)
Professor	1	---	2
Associate Professor	3	2	2
Assit. Professors	3	3	1
Others	---	---	---
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M. Phil students guided for the last 4 years
Dr. V. Chari	M.A., Ph.D.	Prof. and Director	Economics, Banking and International Business	31	4 + 7
Dr. B. V. Pathak	M.Com, M.Phil., Ph.D.	Prof.	Marketing and Finance	25	3+16
Dr. H. C. Sardar	M.Com., LLB, M.Phil., Ph.D.	Asso. Prof.	Accountancy	25	
Dr. H. B. Pandya	M.Sc., M.A., M.B.A., M.P.A., M.Phil., Ph.D.	Asso. Prof.	Statistics, Economics, and finance	20	00+10
Mrs. C. S. Parmar	M.Com., M.Phil.	Asst. Prof.	Accountancy	9	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : N.A.
13. Percentage of classes taken by temporary faculty – Programme-wise information

Sr. No.	Name of Programme	YearNo. of visiting faculty	No. of Visiting Faculty	Percentage of classes taken
1	M.Com	2013-14	1	10%

## 14. Programme-wise Student Teacher Ratio

Name of Programme : M.Com.

Year	No. of Registered Students	No. of Teachers	Student Teacher Ratio
2013-14	127	5 + 1 Visiting	21.16
2012-13	133	6	22.16
2011-12	143	6	23.83
2010-11	159	6	26.5
2009-10	145	6	24.16
2008-09	114	6	19
2007-08	135	6	22.5

Name of Programme : M.Phil.

Year	No. of Registered Students	No. of Teachers	Student Teacher Ratio
2013-14	23	5	4.6
2012-13	19	5	
2011-12	17	5	3.4
2010-11	24	5	4.8
2009-10	19	5	3.8
2008-09	20	5	4
2007-08	20	5	4

Name of Programme: Ph.D.

Year	No. of Registered Students (Old and During the year)	No. of Teachers	Student Teacher Ratio
2013-14	26	4	6.5
2012-13	24	4	6
2011-12	14	4	3.5
2010-11	13	4	4.25
2009-10	10	4	2.5
2008-09	16	4	4
2007-08	13	4	4.25

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Post	Sanctioned	filled	actual
1.	Sr. Clerk	1	1	1
2.	Stenographer	1	nil	Nil
3.	Clerk-typist	1	1	1
4.	Library Assistant	1	By job trainee	Job trainee
5.	Peons	4	1	1 Despatch Rider (promoted from peon)
6.	Library Peon	1	nil	Nil
7.	Sweeper	1	1	1

16. Research thrust areas as recognized by major funding agencies. :The School is yet to receive research funding from any agency, hence this does not apply.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : None
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
20. Research facility / centre with Not applicable  
  - state recognition
  - national recognition
  - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies Not applicable
22. Publications :  
  - \* Number of papers published in peer reviewed journals (national / international) : 35
  - \* Monographs
  - \* Chapter in Books
  - \* Edited Books : 2
  - \* Books with ISBN with details of publishers : 3
  - \* Number listed in International Database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- \* Citation Index – range / average
- \* SNIP
- \* SJR
- \* Impact Factor – range /average
- \* h-index

23. Details of patents and income generated: N.A.
24. Areas of consultancy and income generated: N.A.
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad : N.A.
26. **Faculty serving in**  
 a) National committees( 1 –Dr.H.B.Pandya), b) International committees None,  
 c) Editorial Boards (three- Dr.B.V.Pathak -1, Dr.H.B.Pandya – 2), d) any other (please specify) none
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). : All faculty members are encouraged to attend academic training Programmes as and when they take place. So far all faculty members have completed the required participation in Orientation and Refresher courses. Four faculty members have coordinated refresher Programmes organized in the Commerce faculty, at the School under the aegis of the Gujarat University Academic Staff College. So far 34 Refresher Programmes have been organized at the school.
28. **Student projects**
- Percentage of students who have done in-house projects including inter-departmental projects.  
 After the introduction of the Semester system in the M.Com. Programme 100% students have done student projects in the IVth semester.From 2012 onwards all students of M.Com. SEM IV have done projects as part of their curriculum
  - percentage of students doing projects in collaboration with other universities /industry / institute Not applicable
29. **Awards / recognitions received at the national and international level by:** None
- Faculty
  - Doctoral / post doctoral fellows
  - Students



30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any. Commodity, All India Accounting Conference and International Seminar Nov. 2010, National Conference on Global Issues and Challenges in Accounting and Finance, Dec 2012.

Sr. No.	Event	Dates	Co-organizer	Funding
1	Emerging Commodity Exchanges and Commodity Trading in India	16 <sup>th</sup> March, 2008	UGC, Forward Market Commission & Ahmedabad Commodity Exchange	From All Co-Organizers
2	All India Accounting Conference and International Seminar	???	Indian Accounting Association,	Indian Accounting Association,
3	National Conference on Global Issues and Challenges in Accounting & Finance	???	PGDIFA Self-Financed Programme	PGDIFA Self-Financed Programme

31. Code of ethics for research followed by the departments Research is conducted under the guides who ensure that the research is done in a fair manner without resorting to unfair practices.
32. Student profile Programme-wise: (2013-2014)

Name of the Programme Refer to question no.4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Com Sem-I	1020	12	51	N.A.	N.A.
M.Com Srm-III	64	10	54	N.A.	N.A.
M.Phil	N.A.	07	16	Result Awaited	
Ph.D.	N.A.	07	23	N.A.	N.A.

33. Diversity of students (2013 – 2014)

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M. Com Sem - I	91.7%	6.3%	0	2%
M. Com Sem -III	98%	2%	0	0
M. Phil.	91%	9%	0	0
Ph. D.	77%	23%	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sr. No.	Public Exam	No. Cleared
1	NET/GSET	9
2	GPSC	10

35. Student progression (2013-2014)

Student progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil.	6
PG to Ph.D.	10
Ph.D. to Post-Doctoral	0
Employed	
Campus selection	N.A.
Other than campus recruitment	05
Entrepreneurs	N.A.

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	3/5 = 60%
From other universities within the state	1/5 = 20%
From universities from other states from	1/5 = 20%
Universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period One – M.Phil.; in 2009 all the other faculty members already hold Ph.D. degrees prior to the assessment period.

38. Present details of departmental infrastructural facilities with regard to

- a) Library of the granted Programmes :
- |                           |      |
|---------------------------|------|
| (i) Books                 | 1979 |
| (ii) Journals             | 479  |
| (iii) M.Com. Projects     | 114  |
| (iv) M.Phil. Dissertation | 78   |
| (v) Ph.D. Thesis          | 03   |
| (vi) News Papers          | 05   |
- b) Library of self financed Programmes :
- |           |     |
|-----------|-----|
| (i) Books | 519 |
|-----------|-----|
- c) Internet facilities for staff and students All the staff members have internet facility, internet facility is also available in both libraries of the School, all class rooms and office. The connectivity is through optical fibre network of the University.
- d) Total number of class rooms five plus two seminar rooms which are also used as class rooms when needed.
- d) Class rooms with ICT facility two with full ICT facility (seminar rooms) in the rest of five class rooms internet facility is available and ICT facility in these rooms will be installed under the 12<sup>th</sup> plan.
- e) Students' laboratories there are plans to set up a computer laboratory for the students.
- f) Research laboratories **None**

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : 55  
 b) from other institutions/universities : 12

40. Number of post graduate students getting financial assistance from the university. : 183

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.

- (a) The needs for the M.Com. Programme under the semester system were finalized after academic discussion with faculty within the School and other institutions.
- (b) Reformation needs for the two self-financed Programmes of the School were analyzed using inputs from past students, practitioners and faculty in 2013-14 to be introduced from 2014 academic year.

42. Does the department obtain feedback from
  - a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? The feedback is obtained in faculty meetings and suitable modifications are suggested in the syllabi to the authorities and teaching is modified in the School as per their suggestions.
  - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? This is mostly done informally and in assemblies.
  - c. Alumni and employers on the Programmes offered and how does the department utilize the feedback? Informally, the school has recently revived the alumni association and plans to increase the involvement of alumni in the development of the School.
43. List the distinguished alumni of the department (maximum 10) Hasmukh Adhia, B.A. Prajapati, VG Vadhel, Bharat Pandya, Bhavesh Lakhani, Ramesh Patel, Kamlesh Thakor, Bharati Pandya, Chirag Amin, Pravin R. Patel.
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. Election Programme, debate competition, participation in Youth festival, rangoli competition, painting, competition, student exchange Programme.
45. List the teaching methods adopted by the faculty for different Programmes.
  - i) Lecture, ii) Seminar, iii) Presentations, iv) Class discussions, v) MOCK Play, vi) Quiz
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?

Learning outcome - class participation, presentations, through tests assignments, visits, project work, monitoring of test and exam results.
47. Highlight the participation of students and faculty in extension activities. :  
Cleaning, NGO work.
48. Give details of “beyond syllabus scholarly activities” of the department.  
Election rangoli etc. competition country profiles,
49. State whether the Programme/department is accredited/graded by other agencies? If yes, give details. : N.A.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : Case analysis, MCS, BRM, Investment management, research work, projects, financial economics, international accounting, taxation

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**SWOT Analysis of S.D. School of Commerce**

<b>Strengths</b>	<b>Weaknesses</b>
<ul style="list-style-type: none"> <li>• School Building, infrastructure, ICT facilities, computer laboratory</li> <li>• Strong Diversified Academic and Research Background of Faculty Members</li> <li>• Supportive and Efficient Administrative Staff, excellent administrative support from University authorities</li> <li>• Library Facilities, online, computer lo resources,</li> <li>• Self-Finance Programmes run by the School</li> </ul>	<ul style="list-style-type: none"> <li>• Low efficiency of students and language barrier.</li> <li>• No Industry tie-up</li> <li>• Long Administrative Procedures and scarcity of administrative staff.-</li> <li>• Lack of Sufficient permanent Faculty and lack of adequate research resources</li> </ul>
<b>Opportunities</b>	<b>Challenges</b>
<ul style="list-style-type: none"> <li>• New Curriculum Development</li> <li>• Introduction of Professional Programmes</li> <li>• Industry Collaboration</li> <li>• To develop more short term Job oriented Courses</li> <li>• Developing Practical Approach to the Syllabus</li> </ul>	<ul style="list-style-type: none"> <li>• Challenges from International Institutes</li> <li>• Challenges from Self-Financed Institutes of the University</li> <li>• Challenges from Other Post Graduate Centers</li> <li>• Challenges to meet the new trends in the field of Higher Education</li> </ul>

52. **Future plans of the department.**

The future plans of the School are:

- 1) To introduce new short term professional courses.,
- 2) To improve the existing curriculum and syllabi to make them more practical.,
- 3) To enhance the research facilities.,
- 4) To develop industry collaboration.

## 2. Department of English

1. Name of the Department:**English**
2. Year of establishment:**1963**
3. Is the Department part of a School/Faculty of the university? **The Department is the part of University School of Languages, Gujarat University.**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc, D.Litt. etc.) **P.G., M. Phil., Ph. D.**
5. Interdisciplinary Programmes and departments involved: **Not applicable**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.:**Not applicable**
7. Details of Programmes discontinued, if any, with reasons:**Nil.**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:**Choice Based Credit System**
9. Participation of the department in the courses offered by other departments:**The Department offers services to the Department of Journalism as a Visiting Faculty**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professors	1	---	---
Associate Professors	1	---	1
Asst. Professors	---	---	1
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. Darshana Trivedi	M.A., M.Phil. Ph. D.	Asso. Prof.	Translation Studies, etc...	26	1 + 7
Dr. Nutan Kotak	M.A. Ph. D.	Asst. Prof.	American Literature, etc...	17	9 + 4

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**Nil**
13. Percentage of classes taken by temporary faculty – Programme-wise information:**20% M.A. Previous, 30% M.A. Final**
14. Programme-wise Student Teacher Ratio:**1: 30**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:**Information should be provided by USL office.**
16. Research thrust areas as recognized by major funding agencies:**Nil**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**Not applicable**
18. Inter-institutional collaborative projects and associated grants received :**Not Applicable**  
a) National collaboration  
b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**Nil**
20. Research facility / centre with**Nil**
- state recognition
  - national recognition
  - international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies :**Nil**
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international) : Four by Darshana Trivedi
  - \* Monographs: - Nil
  - \* Chapters in Books : 7
  - \* Edited Books :
  - \* Books with ISBN with details of publishers : 2
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated: Not Applicable
24. Areas of consultancy and income generated: Not applicable
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : 3
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)  
Dr. Darshana Trivedi is the member of Staff Selection committee Central University of Gujarat  
A member of RDC, Veer Narmad South Gujarat University, Surat  
A member board of studies in English, Gujarat University,  
A member board of Translation Studies, Gujarati Sahitya Parishad
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
- \* Dr. Darshana Trivedi was the Convenor of UGC National Seminar titled Kamala Das : A Tribute January 11-12, 2010.
  - \* Dr. Darshana Trivedi was the Convenor of UGC National Seminar titled Dalit Literature: Past Present and Future 5-6 December 2011



- \* Dr. Darshana Trivedi has delivered invited lectures in Orientation and Refresher Programmes organised by Academic Staff College, SP University, and Academic Staff College, Gujarat University
- \* Dr. Darshana Trivedi was the co-ordinator of Refresher course in Comparative Literature organised by Academic staff College, during November 2013.
- \* Dr Darshana Trivedi is the guest faculty in the translation courses recognized by Gujarat University at Gujarati Sahitya Parishad since 2011.
- \* Dr. Darshana Trivedi chaired a session in an international conference on Environment India Canada: Tenth International Comparative Literature conference, National Seminar on Indian Theatre, organised by Veer Narmad south Gujarat University, Surat
- \* Dr. Nutan Kotak attended a refresher course in English in the year 2008.
- \* Dr. Nutan Kotak was the Director of UGC National Seminar titled *Celebrating Offshore: Reading Black Literature from Indian Perspective* in March 2012
- \* Dr. Nutan Kotak delivered invited lectures in refresher courses organised by Academic Staff College SP University and Academic Staff College Gujarat University during 2011-14.
- \* Dr. Nutan Kotak was the co-ordinator of Refresher course in Comparative Literature organised by Academic Staff College, Gujarat University.

28. **Student projects**

- percentage of students who have done in-house projects including inter-departmental projects **Not Applicable**
- percentage of students doing projects in collaboration with other universities/industry/institute **Not applicable**

29. **Awards / recognitions received at the national and international level by Not Applicable**

- Faculty
- Doctoral / post doctoral fellows
- Students

30. **Seminars/Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.**

- Dr. Darshana Trivedi was the Convenor of UGC National Seminar titled *Kamala Das: A Tribute* January 11-12, 2010.
- Dr. Darshana Trivedi was the Convenor of UGC National Seminar titled *Dalit Literature: Past Present and Future* 5-6 December 2011
- Dr. Nutan Kotak was the Director of UGC National Seminar titled *Celebrating Offshore: Reading Black Literature from Indian Perspective* in March 2012

31. Code of ethics for research followed by the departments: **The Department tries to ensure that students do not commit plagiarism in their research work.**
32. Student profile Programme-wise:

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. Part 1	Minimum 300 Maximum 500 every year during the period of assessment	25%	75%	100%	100%
*This ratio is applicable from 2007 to 2014					
M.Phil.	Application received 100	25%	75%	100%	100%
Ph.D.	Application received	25%	75%		

33. Diversity of students

Name of the Programme (refer to Questionno. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	95%	5%	5%	2-3%
M.Phil.	95%	5%	5%	2-3%
Ph. D.	95%	5%	5%	2-3%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.  
Civil Services – 10, Defence Services – 3, NET – 10, SLET – 10

35. Student progression

Student progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil	100%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	Nil
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	100%
From other universities within the State	---
From universities from other States	---
From universities outside the country	---

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:**01**

38. Present details of departmental infrastructural facilities with regard to

- a) Library - **common Library in the USL for all the Departments**
- b) Internet facilities for staff and students : **Yes**
- c) Total number of class rooms: **12**
- d) Class rooms with ICT facility : **None**
- e) Students' laboratories: **None**
- f) Research laboratories: **None**

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university: **Seven**
- b) from other institutions/universities: **Nil**

40. Number of post graduate students getting financial assistance from the university.**Nil**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.**Not applicable**

42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
**The Board of Studies in English decides the curriculum for the PG Programme on the basis of feedback from teachers and students.**
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - alumni and employers on the Programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
- Shri Abhijat Joshi, well-known script writer
  - Dr. Digvijaysinh Gohil( EC Member GU), Chair, Board of Studies in English
  - Dr. Mona Kelshikar, Principal H. L. College of Commerce
  - Shri Dhruvan Nimbale, IPS
  - Shri Mayur Patel, IPS
  - Ms. Manjita Vanzara, ACP Ahmedabad.
  - Shri Saumya Joshi. Well-known dramatist and Creative writer
  - Ms. Hetal Mehta, International Table Player
  - Shri Pravin Gadhvi, retired IAS officer
  - Dr. Balaji Ranganathan, Head, Department of Translation and Comparative Literature, Central University of Gujarat.
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.
- UGC invited Guest Lectures
45. List the teaching methods adopted by the faculty for different Programmes.
- Lecture method, Seminar and Interactive method
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
- Internal and External evaluation.
47. Highlight the participation of students and faculty in extension activities.
- Dr. Darshana Trivedi – Former Secretary WDC, Gujarat University.
  - Dr. Nutan Kotak – Former Secretary of Women’s International League for Peace and Freedom, India.
48. Give details of “beyond syllabus scholarly activities” of the department : **Not Applicable**

49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details.**No.**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**Not applicable**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- The Strength of the Department lies in the hard work put in by the department members, their commitment towards their work, and their excellent interpersonal relationships.
  - The weakness of the Department lies in the lack of faculty strength, infrastructure deficiencies like the lack of proper library, reading room. State of art language laboratory etc.
  - The Opportunities for the Department are numerous as English is an International language
  - The Challenge for the Department is to keep updated with the contemporary international trends both in teaching and research.
52. **Future plans of the department**  
Interdisciplinary courses and course on Translation Studies can be introduced

### 3. Department of Gujarati

1. Name of the Department : **GUJARATI**
2. Year of establishment : **1954**
3. Is the Department part of a School/Faculty of the university? **YES/ARTS**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) **P.G., M.PHIL.& PH.D.**
5. Interdisciplinary Programmes and departments involved: **NO**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons: **NA**
8. Examination System : **Semester /Choice Based Credit System**
9. Participation of the department in the courses offered by other departments: **N.A.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filles</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	1	1	CAS
Associate Professor	1	---	---
Assit. Professors	2	2	---
Others	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. K. S. Shah	M.A. Ph.D.	Professor & Head	Midival Gujarati Literature	23	6+16
Dr. C. B. Koli	M.A. Ph.D.	Asst. Prof.	Short Stories	11	00+16
Shri. A. J. Vasava	M.A. M.Phil	Asst. Prof.	Novel Literature	11	00+16

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **NA**
13. Percentage of classes taken by temporary faculty – Programme-wise information.
14. Programme-wise Student Teacher Ratio: **33 : 33**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **COMMON FOR ALL DEPARTMENTS**
16. Research thrust areas as recognized by major funding agencies : **NA**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **ONE, NATIONAL, DIT GOVT. OF INDIA, 19.21 LACS, ILCI CORPORA.**
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration: **NA**  
b) International collaboration: **NA**
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **NA**
20. Research facility / centre with
- state recognition
  - national recognition
  - international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies: **NA**
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international) : **10**
  - \* Monographs :
  - \* Chapters in Books : **3**
  - \* Edited Books : **3**
  - \* Books with ISBN with details of publishers : **6**
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range /average
  - \* h-index
23. Details of patents and income generated : **NA**
24. Areas of consultancy and income generated: **NA**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad: **NA**
26. Faculty serving in
- a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify)
- (1) Prof. K S SHAH
- a) Expert at UGC for Minor & Major Research Projects
  - b) Member Board of Studies at Saurashtra University Rajkot.
  - c) Member Board of Studies at M S University Baroda.
  - d) Member Board of Studies at Kutch University Bhuj.
  - e) Secretary – Gujarati Sahitya Parishad Ahmedabad.
  - f) PRSG member of wordnet Project.
  - g) Expert at KCG for Research Studies.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
- (1) Prof. K S SHAH
- Organized Refresher Course at ASC of Gujarat University and delivered 6 lectures at various Refresher Course



28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: **100%**
- percentage of students doing projects in collaboration with other universities/industry / institute : **NA**

29. Awards / recognitions received at the national and international level by

- Faculty **NIL**
- Doctoral / post doctoral fellows **NIL**
- Students **NIL**

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Date	Subject of Seminar/Workshop/ Conferences	Participation	Funding Agency
25-Mar. 08	Bhasha Vigyan Ane Sahitya	200	Gujarat Sahitya Akademy
03-04-Jan. 09	Madhyakalin Gujarati Kritiyo "Pathan Ane	200	Gujarat Sahitya Akademy
23-Mar. 09	Aaswad	200	Gujarat University
05- Sept. 12	Abhyas Kram Workshop	200	Gujarat University
04-Oct. 13	Jagine Jovu To	200	Gujarat University
12- Feb. 14	Ka. Mma. Munshina Shabda Sathe	200	Gujarat University
13- Feb. 14	Sahitya Ane Samaj Abhyas Kram Vishayak Krutio	200	Gujarat Sahitya Akademy Gujarat University

31. Code of ethics for research followed by the departments: **NA**

32. Student profile Programme-wise :

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.		185	347	100%	100%
M.Phil		N.A.	N.A.	100%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students From Universities outside the State	% of students from other countries
M.A.	92%	8%	NIL	NIL
M.Phil.	100%	NIL	NIL	NIL
Ph.D.	100%	NIL	NIL	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	
PG to M.Phil	15%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	Nil
Employed	Nil
<ul style="list-style-type: none"> <li>• Campus recruitment</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	1
From other universities within the State	2
From universities from other States	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **01**

38. Present details of departmental infrastructural facilities with regard to
- Library : **5,000 BOOKS**
  - Internet facilities for staff and students : **YES FOR THE STAFF**
  - Total number of class rooms **ELEVEN COMMON FOR ALL DEPARTMENTS**
  - Class rooms with ICT facility **NO**
  - Students' laboratories **NO**
  - Research laboratories **NO**
39. List of doctoral, post-doctoral students and Research Associates
- from the host institution/university
  - from other institutions/universities
40. Number of post graduate students getting financial assistance from the university. **NO**
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. **NO**
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **NO**
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **YES**
  - alumni and employers on the Programmes offered and how does the department utilize the feedback? **NO**
43. List the distinguished alumni of the department (maximum 10)
- 1) Naresh Shukla, 2) Hetal Gandhi, 3) Yogendra Parekh, 4) Nisarg Ahir, 5) Jignesh Brahmhatt, 6) Dasarth Parmar, 7) Chirag Patel, 8) Purvi Oza, 9) Vaishali Dholakia, 10) Ramila Bhatt
44. Give details of student enrichment Programmes (special lectures/workshops/seminar) involving external experts.  
Special lecture Series organised during the following dates : **24.02.2014 to 28.02.2014.**
45. List the teaching methods adopted by the faculty for different Programmes.  
**TALK & CHALK**

46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?  
Department regularly organizes the series of expert lectures, workshops for the betterment of the students in the varied field related to curriculum as well for their personality development, health and all round development.
47. Highlight the participation of students and faculty in extension activities.  
Students actively participate in Workshops, Seminars and Lecture Series when organized by the department.
48. Give details of “beyond syllabus scholarly activities” of the department.  
Students visit to the Research Institutes is organized on regular basis from which the students gain the benefits of experts meetings at such institutes and many are motivated to undertake such activities
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details.**NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
Department frequently organizes lectures of Expert Scholars on various topics to enrich the students to acquire extra knowledge not covered in the curriculum.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department.  
(1) Department has good organizational qualities in arranging Seminars, Workshops and Lecture Series.  
(2) Department has very cordial relations with other universities departments for exchange of faculties.  
(3) Department having good library facility.  
(4) Department having good computer laboratory.  
(5) Many a times department faces administrative issues as independent administrative support is not available.  
(6) Problems of Staff and required funds are a major issue.
52. Future plans of the department.  
To provide extra skills for Gujarati language translation, Grammar and use of Computer to the students, the department is planning to commence the short term courses within the frame work of existing structure if permitted by the University.

#### 4. Department of Hindi

1. Name of the Department : **Hindi**
2. Year of establishment : **1968**
3. Is the Department part of a School/Faculty of the university? : **Yes, School of Languages**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.) **M.A., M.Phil., Ph.D.**
5. Interdisciplinary Programmes and departments involved **Nil**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
7. Details of Programmes discontinued, if any, with reasons **Nil**
8. Examination System : **Semester System (Choice Based Credit System)**
9. Participation of the department in the Courses offered by other departments : **N.A.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual(including CAS&MPS)
Professor	1	1	1
Associate Professor	2	Nil	Nil
Assistant Professor	3	1	1(Surplus appointed through Government)
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Prof. R.B.Argade	M.A., Ph.D.	Prof. & Head	Criticism, etc...	32	8+6
Dr.Nisha Rampal	M.A., M.Phil, Ph.D.	Asst. Prof.	Translation & Comparative Literature	11	1+15

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors, Adjunct Faculty, which in spirit of the term lies close to the term visiting faculty as mentioned in our university- 2 senior faculties come regularly in our department -

1. Two Senior Faculties for M.A. Course Dr. Nayana Deliwala & Dr. Dhanlaxmi Vatnani &
2. TwoSenior Faculties for MPhil Course- Dr. Nayna Deliwala& Dr. Sriram Tripathi

13. Percentage of classes taken by temporary/adjunct faculty – Programme-wise information - **Nearly 45%of the total Teaching work**

14. Programme-wise Student Teacher Ratio

(The visiting faculty& JRF is included)

Sr. No.	Year	Annual / Sem	Total no of students& Ratio	Annual / Sem	Total no of student & Ratio
1	2007	M.A - 1	114:5	M.A-2	80:5
2	2008	M.A - 1	82:5	M.A-2	83:5
3	2009	M.A - 1	78:5	M.A-2	70:5
4	2010	M.A – 1	52:5	M.A-2	33:5
5	2011	M.A - 2 Sem - 1	33:5 17:5	M.A.-2 Sem-2	33:5 17:5
6	2012	Sem - 3 Sem -1	17:5 45:5	Sem-4 Sem-2	17:5 45:5
7	2013	Sem - 3 Sem - 1	45:5 25:4	Sem-4 Sem-2	45:5 25:4
8	2014	Sem - 3 Sem - 1	25:5 31:5		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual Common to the School
16. Research thrust areas as recognized by major funding agencies **Nil**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **Nil**
18. Inter-institutional collaborative projects and associated grants received **Nil**
  - a) National collaboration
  - b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**
20. Research facility / centre with **Nil**
  - state recognition
  - national recognition
  - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies : **Nil**
22. Publications: (Proof of each information required)  
Prof. Ranjana Argade : 14, Dr.Nisha Rampal : 4
23. Details of patents and income generated **Nil**
24. Areas of consultancy and income generated **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad **Nil**
26. Faculty serving in
  - a) National committees b) International committees c) Editorial Boards d) any other (please specify)  
  
1- Faculty: Editorial Board, Research Journal, VNSG, University, Surat, Coordinator, Editorial Board, Journal for Language & Translation, KSG, Gandhinagar, International Committee, SLET, Member Academic Council, International Hindi University-Wardha, Academic Council, Assam University, Academic Council, Cochin Technological University, Cochin, Academic Council, M.S University, Baroda

27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).  
 1. One Faculty has done refresher course during the period- 16-12-2013 to 5-1-2014 at S.P. University, Vallabh Vidyanagar,
28. **Student projects**
- percentage of students who have done in-house projects including inter-departmental projects (Projects as a part of their curriculum- 100%)
  - percentage of students doing projects in collaboration with other universities/industry / institute
29. **Awards / recognitions received at the national and international level by**
- Faculty
  - Doctoral fellows : 2 JRF, UGC in the Department Trupti Joshi 2010- 2014  
1-Magan Parmar 2013 Onwards
  - Students Medhavi Samman award by Bank of Baroda Merit award. Cash prize of Rs 5000-00 and certificate to 4 students
30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. : 3**
31. **Code of ethics for research followed by the departments**
- As decided by the University, following the reservation policy of the State:
  - Through Entrance Examination followed by GDPI & RDC, Course Work
  - Have co-ordinated Refresher Courses in Comparative Literature, Research Methodology, Translation and Functional Hindi including ICT for Teachers.
32. **Student profile Programme-wise :**

Name of the Programme (refer to question no. 4)	Applications Year received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A	2010 - 2011 N.A	19	23	N.A	N.A
	2011 – 2012 N.A	4	13	N.A	N.A
	2013 - 2014 N.A	9	32	N.A	N.A
	2014 - 2015 N.A.	9	22	N.A	N.A



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of Students from the Same university	% of students from other universities within the State	% of students From universities outside the State	% of students From Other countries
M.A	90>	5%	2%	Zero%
M.Phil.	98>	2>	Nil	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

**Competitive Examination** (Examination passed between 2009- 2014)

**NET / SET : 6, Civil Service : 4**

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	N.A.
PG to M. Phil.	16% (at present 6 students are enrolled for M.Phil. in the department)
PG to Ph.D.	18% (at present 9 students are enrolled for Ph.D. in the department)
Ph. D. to Post-Doctoral	N.A.
Employed	Nil
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than Campus recruitment</li> </ul>	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	2
From other universities within the State	Nil
From universities from other States	Nil
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : 1 Faculty was awarded PhD but has now left the department and joined another University

38. Present details of departmental infrastructural facilities with regard to
- |   |                                      |
|---|--------------------------------------|
| a) Library                                    | <b>Yes (no librarian)</b>            |
| b) Internet facilities for staff and students | <b>Yes</b>                           |
| c) Total number of class rooms                | 10 Class Rooms common for the School |
| d) Class rooms with ICT facility              | <b>Nil</b>                           |
| e) Students' laboratories                     | <b>Nil</b>                           |
| f) Research laboratories                      | <b>N.A.</b>                          |
39. List of doctoral, post-doctoral students and Research Associates  
 \* from the host institution/university : **7**  
 \* from other institutions/universities : **2**
40. Number of post graduate students getting financial assistance from the university. **Nil**
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. **NA**
42. Does the department obtain feedback from **Not regularly**
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - Alumni and employers on the Programmes offered and how does the department utilize the feedback?  
 Unfortunately, the fact is that the written feedback system (through getting the forms filled) has not really worked with the department since it was introduced. Mainly because :
    - The feedback forms are in English and students are not well verse in this language so they show dis interestedness in filling up the forms.
    - It has been observed that there is a kind of apathy towards feedback itself. It seems either teachers or the students do not want to commit anything in writing.
    - Secondly, all answers cannot be objective.
    - But in informal situations the students and the teachers give their feedback orally and their views are incorporated in-
      - Syllabus improvement and re-formation, if needed.
      - Improving Teaching Techniques & Methods.
43. List the distinguished alumni of the department (maximum 10)
- Late Dr. Bholabhai Patel, Padamshree
  - Dr. Raghuvveer Choudhary, Distinguished Gujarati Writer, Central Sahitya Academy Award winner.
  - Dr. Bindu Bhatt, Central Sahitya Academy Award winner in Gujarati Literature

4. Shri Sadique Noor Pathan, Communicator-Trainer attached with Prasar Bharti, Ahmedabad
  5. Dr. Sarvadaman Vora, Principal, Government College, Surendranagar
  6. Dr. Sultan Ahmed, well known contemporary Hindi poet
  7. Dr Vimmi Sadarangani, established contemporary Sindhi poetess
  8. Dr. Sudha Srivastava, Hindi writer
  9. Dr. Mradula Pareek, distinguished translator of folk & classic
  10. Prof Ujam Patel, retired Principal, Rashtra Bhasha College, Ahmedabad
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. : 12
45. List the teaching methods adopted by the faculty for different Programmes. Lectures, PPT, Discussion, Play-Reading, Blog([dranjanaargade.blogspot.com](http://dranjanaargade.blogspot.com)) (जिनखोजतिनपाइयां)
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities. The Faculty regularly participates in Programmes related to Hindi. The Faculty is invited to address Bank Officials and other Central & State Government offices in regard to Rajbhasha. The Faculty is also invited to use their expertise in other educational institutes which have collaboration with University for certain courses. For example to give lectures on Translation in Gujarati Sahitya Parishad and Local Colleges affiliated to Gujarat University on different topics.
48. Give details of “beyond syllabus scholarly activities” of the department. Editing Shamsher Rachnavali Donating Shamsher’s belonging an to International University to get funds from non-academic institutes to organize seminar and other lit act Recording in Guruvani Community Radio of Gujarat Univ Prasar Bharti
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. **No**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- 1- By introducing use of excel sheet in literary research, Ph.D. students have made use of this method and developed it.
  - 2- Making of Advertisement through Literary works – have introduced it in M.A syllabus.
  - 3- Use of Hindi computing in Translation for Educational Initiatives.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S : Syllabus, Student support, Faculty support, Departmental Activities

W : Infrastructure, clerical assistance, Finance, Faculty appointment

O : videsh mein hindi

C : Less Faculty, Dwindling no's of students, uncertainty about syllabus

52. Future plans of the department.

The Department plans to launch 2 Programmes, if adequate infrastructure and faculty is available. This will help the students to get employment.

1- Two Years P.G. Diploma course in Hindi Industry named as

हिन्दी उद्योग स्नातकोत्तर पाठ्यक्रम

This Diploma course will be designed in such a way that students who have passed out as graduates can do it independently of M.A. Students who have sought admission in M.A can do this while doing M.A. courses.

2- Six Months P.G. Certificate Courses in

1 Applied Hindi Lexicography & Proof reading

2 Hindi Web Designing

3 Technical Translation,

Journalistic writing & Copy writing for Advertisement,

### 5. Department of Linguistics

1. Name of the Department :**LINGUISTICS**
2. Year of establishment :**1961**
3. Is the Department part of a School/Faculty of the university?**YES. School of Languages**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : P. G. Diploma in Linguistics, Masters, (M.A. in Linguistics), M.Phil., Ph.D.
5. Interdisciplinary Programmes and departments involved : Yes. It is an interdisciplinary Programme. Any graduate from any discipline can opt for the first two Programmes.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of Programmes discontinued, if any, with reasons**Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :**Semester**
9. Participation of the department in the courses offered by other departments :**Full**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	1	---	---
Associate Professors	---	---	---
Asst. Professors	---	---	---
Others	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D/M.Phil students guided for the last 4 years
Dr. Nilotpala Gandhi	M.A., Ph.D.	Professor	Computational Ling. & Grammer	24	10+5

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
13. Percentage of classes taken by temporary faculty – Programme-wise information :**Nil**
14. Programme-wise Student Teacher Ratio - **5 : 1**
15. Number of academic support staff (technical) and administrative staff : **sanctioned, filled and actual**
16. Research thrust areas as recognized by major funding agencies - **Computational Linguistics**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.  
1) Dr. Nilotpala Gandhi –Project Instructor of a project ‘Shallow Parser Tools for Indian Languages’ funded by DIT, Central Government
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration    b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
20. Research facility / centre with
- state recognition
  - national recognition
  - international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies
22. Publications :
  - \* Number of papers published in peer reviewed journals (national / international)
  - \* Monographs (1) ધ્વનિઘટકઅનેગુજરાતીનાધ્વનિઘટકોપ્રકાશિત- અધીત અઘ્લાવીસ (પ્રકાશન- ગુજરાતીઅધ્યાપકસંઘ)
    - (1) Sandhi Page 22-31
    - (2) RuDhi prayog, Kahevato ane RuDha prayogo Page 69-77
    - (3) Aheval lekhan Page 117-123In ‘Matrubhasha- Lekhan ane Shikshan’  
( Published by Gujarati Sahitya Parishad )
  - \* Chapters in Books : 2
  - \* Edited Books : 1
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range /average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated
24. Areas of consultancy and income generated
25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad
26. Faculty serving in
  - a) National committees b) International committees c) Editorial Boards d) any other (please specify)**a)As a member of Board of Studies of M.S. Uni. of Baroda**
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). :8

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.  
:Workshops - 2 and Seminar - 1

31. Code of ethics for research followed by the departments

32. Student profile Programme-wise :

Name of the Programme (referee to question no.4)	Applicat ion received	Selected		Pass percentage	
		Male	Female	Male	Female
P.G. Diploma	96	30	68	100%	100%
M.A.	20	8	12	100%	100%
M. Phil.	8	3	5	100%	---
Ph.D.	12	3	9	---	---

33. Diversity of students

Name of the Programme (refer to Questionno. 4)	% of students from the same university	% of students from other universities within the State	% of students From Universities outside the State	% of students from other countries
P.G. Diploma in Linguistics	90%	10%		
M.A.	90%	10%		
M.Phil.	60%	40%		
Ph.D.	30%	50%	20%	



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

<b>Student progression</b>	<b>Percentage against enrolled</b>
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

36. Diversity of staff

<b>Percentage of faculty who are graduates</b>	
Of the same university	100%
From other universities within the state	
From universities from other states from	
Universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

38. Present details of departmental infrastructural facilities with regard to

- a. Library : Common Library of the school and University
- b. Internet facilities for staff and students
- c. Total number of class rooms
- d. Class rooms with ICT facility
- e. Students' laboratories
- f. Research laboratories

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university (List of Doctoral Students) : **3**
- b) from other institutions/universities (List of Doctoral Students) : **8**

40. Number of post graduate students getting financial assistance from the university.

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Yes.**  
**By making some changes in the topics**
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - alumni and employers on the Programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
- Dr. Yogendra Vyas- Former Director, School of Languages, GU
  - Dr. Arvind Bhandari- Ex. HOD, Linguistics, GU
  - Dr. B. Mallikarjunam, Audiologist and Speech Patologist
  - Poet Tushar Shukla
44. Give details of student enrichment Programmes (special lectures /Workshops / seminar) involving external experts.
- The Department hosts workshop and Seminars for the students as well as faculties interested in the subject-
- (1) Workshop on NLP held at the Department of Linguistics in Collaboration with LDC-IL(Language Data Consortium of Indian Languages), CIIL (Central Institute of Indian Languages), Mysore -16th Nov.-21st Nov. 2009
  - (2) Workshop on Dyslexia held the Department of Linguistics, in Collaboration with Speech and Hearing Association, Ahmedabad Branch and James Reneay Canadian Study Centre, Ahmedabad, on 17th January, 2010.
  - (3) Seminar on Mother Tongue Teaching and Language Policy, held at Department of Linguistics, in collaboration with WRLC, Pune, on 25<sup>th</sup> and 26<sup>th</sup> February, 2010.
45. List the teaching methods adopted by the faculty for different Programmes.
- Power Point Presentation
  - Net
  - Audio-Visual Aids
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?  
**It keeps pace with time by changing Syllabus as demanded by the society.**
47. Highlight the participation of students and faculty in extension activities.

48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the Programme/ department is accredited/ graded by other Agencies. If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
Department has prepared software for the Computation of Gujarati Language.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- (a) **Strength** : This is an interdisciplinary Subject. It provides students to meet the present needs of the society. Many students are working as Lang. Teachers, Journalists, Translators. The Department has introduced a new subject of Computational Linguistics, which tries to make Programmes for Machinetranslation.
  - (b) **Weaknesses** : The Department is lacking in the no. of Faculties. The subject is very useful to the society, but it has become impossible to utilize for the benefit of the society.
  - (c) **Opportunities** : Given an opportunity, the students of this department can perform well in the field of Computation, Advertisement, translation, Speech Pathology and Forensic Linguistics.
  - (D) **Challenges** : To create an awareness of the Subject is a big challenge. The decreasing number of students in the faculty of Arts itself is disappointing. It adds to the challenges.
52. Future plans of the department.
- (a) To upgrade the Department with the latest Technologies
  - (b) To prepare the students with the knowledge of latest technological aids
  - (c) To prepare the language teachers with Modern Approaches and Methods
  - (d) To prepare good Translators
  - (e) To prepare students for Machine translation
  - (f) To prepare students for Researches which will be in the benifit of the society.

## 6. Department of Urdu And Persian

1. Name of the Department : **URDU AND PERSIAN**
2. Year of establishment : **1964**
3. Is the Department part of a School/Faculty of the university? : **YES**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) **M. A. (MASTERS IN URDU AND PERSIAN )**
5. Interdisciplinary Programmes and departments involved : **NO**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons **N.A.**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : **SEMESTER**
9. Participation of the department in the courses offered by other departments :
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor			
Associate Professors	1	00	00
Asst. Professors	1	00	00
Other	Visitng – 2		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.d./M.Phil students guided for the last 4 years
-	-	-	-	-	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors  
 1. Azara. M. SAIYED ( F. D. ARTS AND COMMERS COLLEGE )  
 2. Afsa M KADRI ( GUJARAT COLLEGE )
13. Percentage of classes taken by temporary faculty – Programme-wise information : 100%
14. Programme-wise Student Teacher Ratio : **20 : 2**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : **Nil**
16. Research thrust areas as recognized by major funding agencies : **Nil**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **Nil**
18. Inter-institutional collaborative projects and associated grants received  
 a) National collaboration      b) International collaboration : **Nil**
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with  
 • state recognition : **Nil**  
 • national recognition : **Nil**  
 • international recognition : **Nil**
21. Special research laboratories sponsored by / created by industry or corporate bodies : **Nil**

22. **Publications :**
- \* Number of papers published in peer reviewed journals (national / international)
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. **Details of patents and income generated :Nil**
24. **Areas of consultancy and income generated :Nil**
25. **Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad :Nil**
26. **Faculty serving in**  
a) National committees b) International committees c) Editorial Boards d) any other (please specify) : **Nil**
27. **Faculty recharging strategies (UGC, ASC, Refresher/orientation Programmes, workshops, training Programmes and similar Programmes). :Nil**
28. **Student projects**
- percentage of students who have done in-house projects including inter departmental projects : **Nil**
  - percentage of students doing projects in collaboration with other universities/industry/institute : **Nil**
29. **Awards / recognitions received at the national and international level by**
- Faculty : **Nil**
  - Doctoral / post doctoral fellows
  - Students
30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. :Nil**
31. **Code of ethics for research followed by the departments :Nil**

32. Student profile Programme-wise :

Name of the Programme (refer to question no.4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. Urdu	17	2	17		
M.A. Persian	5	2	2		

33. Diversity of students :

Name of Programme (refer to question no.4)	% of Students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Urdu	100%	---	---	---
Persian	100%	---	---	---

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. **Nil**

35. Student progression

Students progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed	N.A.
<ul style="list-style-type: none"> <li>• Campus recruitment</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

36. Diversity of staff : **Nil**

Percentage of faculty who are graduates	
Of the same university	
From other universities within the State	
From universities from other states	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **Nil**
38. Present details of departmental infrastructural facilities with regard to
- a) Library : **400 Books ± 2500 books in central library.**
  - b) Internet facilities for staff and students : **Yes**
  - b) Total number of class rooms – Common building for the school.
  - c) Class rooms with ICT facility : **Nil**
  - d) Students' laboratories : **Nil**
  - e) Research laboratories : **Nil**
39. List of doctoral, post-doctoral students and Research Associates : **Nil**
- a. from the host institution/university
  - b. from other institutions/universities
40. Number of post graduate students getting financial assistance from the university.
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. :**Nil**
42. Does the department obtain feedback from : **Nil**
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - c. alumni and employers on the Programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
- (1) Dr. Chand Bibi Shekh, Prin. High school for Muslims
  - (2) Dr. A. U. Shekh, Lecturer at Gujarat College
  - (3) Dr. Afsa Kadari, Lecturer at Gujarat College
44. Give details of student enrichment Programmes (special lectures/workshops/seminar) involving external experts. :**Nil**
45. List the teaching methods adopted by the faculty for different Programmes. Class-room teaching, lectures.
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?



47. Highlight the participation of students and faculty in extension activities
48. Give details of “beyond syllabus scholarly activities” of the department. : **Nil**
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : **Nil**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : **Nil**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
  - (1) S : Female students
  - (2) W : No full time permanent teacher is appointed since 2007 (Director of the school is a in-charge head of the Urdu & Persian Dept.)
  - (3) O : to enhance education in Muslims community.
  - (4) C : to attract male students
52. Future plans of the department.
  - (1) To get permission from the state government to appoint teachers in the department.

## 7. Department of Prakrit and Pali

1. Name of the Department : **Department of Prakrit & Pali**
2. Year of establishment : **1969**
3. Is the Department part of a School/Faculty of the university? :  
**The Department is part of a school of Languages**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **P G Certificate Course in Prakrit, M.A., Ph. D.**
5. Interdisciplinary Programmes and departments involved : ---
6. Courses in collaboration with other universities, industries, foreign institutions, etc. ---
7. Details of Programmes discontinued, if any, with reasons P G Certificate Course in Apabhramsha ---**No student**
8. Examination System: Annual/Semester/Trimester/Choice Based CreditSystem :**Semester**
9. Participation of the department in the courses offered by other departments ---
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor			1
Associate Professors			1
Asst. Professors			
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. Saloni Joshi	M.A., M.L.I.Sc., Ph.D	Professor & Head	Prakrit Narrative literature, etc.	25	5
Dinanath Sharma	M.A., Ph.D	Asso. Prof.			5

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors ----
13. Percentage of classes taken by temporary faculty – Programme-wise information ---
14. Programme-wise Student Teacher Ratio
15. Number of academic support staff (technical) and administrative staff : sanctioned, filled and actual
16. Research thrust areas as recognized by major funding agencies ----
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. ---
18. Inter-institutional collaborative projects and associated grants received ---
- a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. ---
20. Research facility / centre with ---
- state recognition
  - national recognition
  - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies.
22. Publications :

- \* Number of papers published in peer reviewed journals (national /international) : **6**
  - \* Monographs
  - \* Chapters in Books : **6**
  - \* Edited Books : **6**
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated ---
24. Areas of consultancy and income generated ---
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
28. Student projects ---
- percentage of students who have done in-house projects including inter-departmental projects
  - percentage of students doing projects in collaboration with other universities/industry/institute
29. Awards/recognitions received at the national and international level by
- Faculty
  - Doctoral/post doctoral fellows
  - Students

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

- 1 Prakrit kathao ke Gujaratu sahitya par prabhav. Funded by Guj.Uni.-UGC December 2009
- 2 Apabhramsha Aswad. Funded by Sanskrit Sahitya Akdemy National Seminar 18-02-13
- 3 National Seminar on Literary Criticism of Prakrit Texts. 26-27 October,2013. Funded by Rastriya Sanskrit Sansthan,Delhi
- 4 Prakrit Krutio- Aswad ane Abhyas. Funded by Sanskrit Sahitya Akdemy National Seminar 14-2-14

31. Code of ethics for research followed by the departments ---

32. Student profile Programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
-	-	-	-	-	-

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
-	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :Net - 4 Student

35. Student progression

Students progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	
from universities from other States	50%
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **Ph. D. 5**
38. Present details of departmental infrastructural facilities with regard to
- Library
  - Internet facilities for staff and students
  - Total number of class rooms
  - Class rooms with ICT facility
  - Students' laboratories ---
  - Research laboratories- ---
39. List of doctoral, post-doctoral students and Research Associates
- from the host institution/university - ----
  - from other institutions/universities- -----
40. Number of post graduate students getting financial assistance from the university.
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.
42. Does the department obtain feedback from- -----
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - alumni and employers on the Programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10) - -----
44. Give details of student enrichment Programmes (special lectures/workshops/seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different Programmes.

46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the Programme/department is accredited/graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
52. Future plans of the department.

## 8. Department of Sanskrit

1. Name of the Department :SANSKRIT DEPARTMENT
2. Year of establishment : 1964 A. D.
3. Is the Department part of a School/Faculty of the university? YES
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : M. A., M. Phil., and Ph.D.
5. Interdisciplinary Programmes and departments involved : Nil
6. Courses in collaboration with other universities, foreign institutions, etc. :Nil
7. Details of Programmes discontinued, if any, with reasons :Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester, Choice Based Credit System
9. Participation of the department in the courses offered by other departments : NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professors	2	---	---
Asst. Professors	3	2	2
Others	---	---	---



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil students guided the last 4 years
Prof.V.M. Bhatt	M.A., Ph.D.	Professor	Grammar & Vedic studies, etc...	33	16+12
Prof. Kamlesh Choksi	M.A., Ph.D.	Professor	Grammar, Vedic & Purana Studies	28	7+12
Dr. S.Y. Shastri	M.A., Ph.D.	Assi. Prof.	Grammar & Dharma Shastra	16	00+12
Dr. H. M. Pandya	M.A., Ph.D.	Assi. Prof.	Grammar & Kavya Literature	21	00+12

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : Four,  
 (1) Dr. Dasharathlal G. Vediya, Shastra-Chudamani, Rashtriya Sanskrit Sansthan, Delhi ( 2009 – 2010 )  
 (2) Rashmikant P. Mehta, ShastraChudamani, Rashtriya Sanskrit Sansthan, Delhi ( 2011 – 2012 )  
 (3) Kalindi Pathak, S.V. Arts College, Ahmedabad, ( 2011 – 13 )  
 (4) Mrs. Bhartiben Patel, Ph. D. Student, ( 2012 – 13 )  
 (5) Miss Dhairya Mankad, JRF, (2013 – 14), Research Scholar, Ph. D. Student
13. Percentage of classes taken by temporary faculty – Programme-wise information : 10 to 20 percentage of class-room teaching.
14. Programme-wise Student Teacher Ratio :  
 1) M. A. (35 : 4), 2) M. Phil (4 : 1), 3) Ph.D. (7 : 1).
15. Number of academic support staff (technical) and administrative staff : sanctioned, filled and actual :  
 2 Clerks, 3 peons, 1 Cleaner. (Common forthe school)
16. Research thrust areas as recognized by major funding agencies:  
 Sanskrit Manuscript logy and Critical Text-Editing of old unpublished manuscripts.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.  
(1) One faculty, Funding by Gujarat University, Annually Rs. 10,000/-
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration : Nil,      b) International collaboration : Nil.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
- state recognition
  - national recognition
  - international recognition : L. D. Institute of Indology, Ahmedabad.
21. Special research laboratories sponsored by / created by industry or corporate bodies : N.A.
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international)
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index

## 1. Prof. Vasantkumar M. Bhatt ( Head of the Department )

A.	Title of Articles	Published in	Yea	Level
1	मेघदूतकीयक्षिणीअसितनयनाहैयाच कितनयना।।	A Journal of the Ganganath Jha campus, Vol.63, Allahabad,	2007	National
2	शम्बूक-वधकीमिथककारहस्योद्धाटन	जिवाजीयुनि., ग्वालियर	2008	National
3	व्यवस्थितविभाषायाःस्वरूपंप्रयोजन ञ्च	महस्विनी, रा. सं. संस्थान, तिरुपति	2008	National
4	पाठसम्पादनकीविधाएँऔरसिद्धान्त	अपूर्वा, बनारसहिन्दूयुनि. वाराणसी	2008	राष्ट्रीय
5	महाभारतकेपाठकेआलोचनात्मकअ भ्यासकीचुनौतियाँ।	समीक्षा, वॉ. 2, राष्ट्रीयपाण्डुलिपिमिशन, नईदिल्ली, पृ. 113-121	2009	Inter
6	रघुवंशमेंवैदिकमिथककाविनियोग।	संबोधि, एन.डी. इन्स्टीट्यूऑफइण्डोलोजी, अहमदावाद	2009	National
7	काव्यदोष- विमर्शकेआलोकमेंकालिदासकेमौलिक पाठमेंप्रविष्टपाठान्तर, क्रमपरिवर्तनादिकीविचारणा।	Journal of Sanskrit Academy, Vol. 19,Osmania Uni., Hyderabad	2009	National
8	भारतमेंकोशविज्ञानकीकबभोरभई।	गवेषणा।अखिलभारतीयहि न्दीसंस्थान, आग्रा	2009	National
9	सिद्धहैमव्याकरणमेंवाक्यविन्यासपद्ध ति	संस्कृतविमर्श, राष्ट्रीयसंस्कृतसंस्थान, दिल्ली	2009	National
10	वेदवाक्योंमेंपाद, वृत्त, स्वरएवंपदक्रमकासंतुलितसौन्दर्य।	वेदविद्या, महर्षिसान्दीपनिवेदविद्याप्र तिष्ठान।, उज्जैन	2010	राष्ट्रीय
11	अभिज्ञानशाकुन्तलकेनान्दीश्लोकका काव्यार्थसूचकत्व।	शोधप्रभा (वॉ.35-3), लालबहादूरशास्त्रीराष्ट्रीयसं	2010	राष्ट्रीय

		स्कृतविद्यापीठ, दिल्ली		
12	अष्टाध्यायाम्वृत्तिविचारः।	जगन्नाथसंस्कृतयुनिवर्सिटी, पुरी	2010	राष्ट्रीय
13	यास्कएवंपाणिनि – कालतथाविषयवस्तुकाअन्तराल।	सम्बोधि। (वो. 33), एल. डी. इन्डोलोजी, अहमदाबाद	2010	राष्ट्रीय
14	वल्लभददेवकीटीकाओंकीमौलिकतापर एकप्रश्नचिह्न।	जर्नलओफगङ्गानाथझाकेम्पस, इलाहाबाद ( प्रयाग ), वो. 66	2010	राष्ट्रीय
15	श्रीमद्भागवतमहापुराणमेंवैदिकदेवतासृष्टिकातिरोधान।	Tattva-shodh, ( Vol. 1 ), pp. 1 – 8, Harmony Foundation, Ahmedabad.	2011	National
16	लोकसङ्ग्रहकेलियेक्यामहाभारतकायुद्धअनिवार्यथा।	Saamipya, B.J. Research Institute, Ahmedabad, ( ISSB – 4332-)	2011	National
17	अभिज्ञानशाकुन्तल – बंगालीवाचनाकेपाठकीमौलिकताकेसमर्थकप्रमाण।	संस्कृतविमर्श, राष्ट्रियसंस्कृतसंस्थान, नईदिल्ली	2011	National

18	अभिज्ञानशाकुन्तलमें 'अपिच' सेसम्बद्धप्रक्षेपएवंसंक्षेपकीपहचान।	धीमहि, Vol. 3, pp. 76 – 89, Journal of Chinmaya Shodha Sansthan, Ernakulam, ISSN – 0976-3066,	2012	National
19	अभिज्ञानशाकुन्तलमेंप्रतीकोंसे व्यञ्जितहोनेवालानाट्यकार्य।	संस्कृतविमर्श, वॉ. 7, राष्ट्रियसंस्कृतसंस्थान, दिल्ली, ISSN : 0975 – 1769	2012	National
20	गुजरातकेपाटणसेप्रासकीगईशाकुन्तलम्कीदोपाण्डुलिपियाँ।	हैमप्रपा, उत्तरगुजरातयुनिवर्सिटी, पाटण, पृ. 200 – 213.	2012	National
21	वल्लभदेवकीटीकाओंकीमौलिकतापरएकप्रश्नचिह्न।	Journal of the Ganganath JhaInsti. Vol. 66, pp.1-7, ISSN 0377-0575	2012	National
22	अभिज्ञानशाकुन्तलकीदेवनागरीवाचनामेंसंक्षेपीकरणकेपदचिह्न।	नाट्यम्।(Vol.71-74), हरिसिंहगौरवि.वि, सागर ISSN : 2229-5550	2012	National
23	श्रीमद्भागवतमेंवैदिकदेवतासृष्टिकातिरोधान।	पौराणिकइतिहासविमर्श, जालन्धर, पंजाब	2012	राष्ट्रिय
24	अभिज्ञानशाकुन्तल – प्राकृतविवृतिएवंप्राकृतच्छायार्ये।	सम्बोधि, ( Vol. 36 ), एल. डी. इन्स्टीट्यूटऑफइन्डोलोजी, अहमदावाद, (ISSN : 2249 – 6661)	2013	National
25	पाठालोचनःपुनर्नवाकालिदासका एकमात्रमार्ग।	पुनर्नवा।कालिदासअकादेमी, उज्जैन	2013	राष्ट्रिय
<b>B.</b>	<b>Title of Books</b>	<b>Publishers</b>	<b>Year</b>	<b>Level</b>
1.	भामहकृतकाव्यदोष-विचार	सरस्वतीपुस्तकभण्डार, अहमदावाद	2009	राज्य
2.	संस्कृतनाट्यसृष्टि – स्वारस्यनीशोधमां	संस्कृतसाहित्यअकादेमी, गांधीनगर	2009	राज्य
3.	अभिज्ञानशाकुन्तलकीकृतिसमी	संस्कृतअकादेमी,	2010	National

	क्षासेपाठसमीक्षा	उस्मानियायुनि. हैदराबाद, ISBN-978-93-8017-13-5		
4.	अभिज्ञानशकुन्तलम् – सन्दर्भदीपिकया टीकयासमेतम्।	राष्ट्रियपाण्डुलिपिमिशन, नवदिल्ली ISBN-978-93- 80829-02-9	2013	National
<b>C.</b>	<b>Attended Conferences</b>	<b>Organized by</b>	<b>Year</b>	<b>Level</b>
1	National Seminar on the text- tradition of Mahabharatam	National Mission for Manuscripts, Delhi	2007	National
2	All India Oriental Conference, Kurukshetra, Harayana	Kurukshetra University, Harayana	2008	National
3	National Seminar on Bhavabhuti	Jivaji University, Gwalior	2008	National
4	National Seminar on Poet Kalidasa	Vikram University, Ujjain	2008	National
5	National Seminar on Vritti- Vichara	Jaganthra Sanskrit University, Puri	2009	National
6	Hemachandra Samaroh	North Gujarat University, Patan	2009	National
7	संस्कृतशिक्षणमेंकम्प्युटरकावि नियोग	Dept. of Sanskrit, Gujarat Uni. Ahmedabad	2009	राज्य
8	संस्कृतपाण्डुलिपिविज्ञानएवंउप योग	Uni. Of Mysore, Karnataka	2009	National
9	संतुलनपत्रिकाकेलिएएकसेल	National Mission for Manuscripts, Delhi	2009	National
10	कालिदासमेंकाव्यदोष-विमर्श	Kalidasa Samaroh, Vikram Uni. Ujjain	2009	National
11	National Seminar on Panini	Maharshi Panini Sanskrit University, Ujjain	2009	National
12	प्राच्यविद्यापरिषद् , 45 वाँअधिवेशन	राष्ट्रियसंस्कृतविद्यापीठ, तिरुपति (आं.प्र.)	2010	राष्ट्रिय
13	राष्ट्रियवेदसम्मेलन	संस्कृतविभाग, गुजरातयुनिवर्सिटी, अमदावाद (गुजरात)	2010	राष्ट्रिय
14	पाण्डुलिपिविज्ञानविषयककार्यशा ला	एल.डी. इन्स्टीट्यूटऑफइन्डोलो जी	2010	राष्ट्रिय

15	नाट्यशास्त्रकीपाठपरम्परा कार्यशाला	इन्दिरागान्धीराष्ट्रियकला केन्द्र, वाराणसी	2010	राष्ट्रिय
16	कालिदाससमारोह	विक्रमयुनिवर्सिटी, उज्जैन	2010	राष्ट्रिय
17	पाण्डुलिपिविज्ञानविषयककार्यशा ला	ओरिएन्टलरिसर्चइन्स्टी ट्युट, मैसूर	2010	राष्ट्रिय
18	संस्कृत- विकिपिडियापरिसंवाद	संस्कृतविभाग, गुजरातयुनिवर्सिटी, अमदावाद (गुजरात)	2012	राष्ट्रिय
19	रिसर्चमेथडोलोजीतथामेन्युस्क्रि प्टोलोजी	एन.एस. पटेलआर्ट्सकोलेज, आणन्द (गुजरात)	2012	राष्ट्रिय
20	जैनकथासाहित्यसंगोष्ठी	महिलाआर्ट्सकोमर्सकोले ज, पालिताणा, (जि.भावनगर) गुजरात	2012	राष्ट्रिय
21	राष्ट्रियपरिसंवाद	नलिनीअरविंदएन्डटी.वी. पटेलआर्ट्सकोलेज, आणंद (गुजरात)	2013	राष्ट्रिय

22	संस्कृतसाहित्यमेंनैतिकमूल्यएवं मानवाधिकारकीअभिव्यक्ति	उमाआर्ट्सतथानाथीबाको मर्सकोलेज, गांधीनगर (गुजरात)	2013	राष्ट्रीय
23	पाण्डुलिपिविज्ञानविषयककार्यशाला	रेवेन्शॉयुनिवर्सिटी, कटक, ओरिस्सा	2014	राष्ट्रीय

## 2. Prof. K. C. Choksi

A.	Title of Article	Published in	Year	Level
1	निरुक्तशास्त्रकाप्रेरकअथर्ववेद	वेदवाणी , अंक – 8 वर्ष 62 (जून-2010) रामलालकपूरट्रस्ट, सोनीपतहरियाणा	2009	राष्ट्रीय
2	अग्निकेत्रिविधजीवन	परोपकारी , ( वर्ष – 52 , अंक – 23) मार्गशीर्षशुक्ल, 2068 (डीसेम्बर 2011) पृ. 25 – 28	2011	राष्ट्रीय
3.	आतंककेउन्मूलनकेलियेभीमकापुरुषार्थ – वर्तमानसंदर्भमें	शारदापीठप्रदीप ( ISSN NO. 0976-2655) अंक – 33 , वर्ष 2011-12)	2012	राष्ट्रीय
4.	स्वामीदयानन्दसरस्वतीनावेदार्थघटननीविशेषताओ	वेदसंदेश ( वर्ष – 10 , अंक – 10 ) एप्रिल, 2012 (पृ.11 - 15)	2012	प्रान्तीय
B.	Title of Book	Publishers	Year	Level
1	संस्कृत – 9 (सहलेखन)	गुजरातराज्यपाठ्यपुस्तक मंडल. गांधीनगर	2012	प्रान्तीय



2	संस्कृत – 10 (सहलेखन)	गुजरातराज्यपाठ्यपुस्तक मंडल. गांधीनगर	2013	प्रान्तीय
3	एम.फिल् (संस्कृत) पाठ्यसामग्री (सहलेखन)	श्रीवर्धमानमहावीरखुलाविश्व विद्यालय, कोटा (राज.)	2012	प्रान्तीय
<b>C.</b>	<b>Conference</b>	<b>Organized by</b>	<b>Year</b>	<b>Level</b>
1.	National Seminar on Panini's grammar	पाणिनिसंस्कृतविश्वविद्यालय, उज्जैन (म.प्र.)	2009	राष्ट्रीय
2.	रामायणसंगोष्ठी	काशीविद्यापीठ, वाराणसी (उ.प्र.)	2009	राष्ट्रीय
3.	रामायणपरिसंवाद	महर्षिदयानन्दविश्वविद्यालय, रोहतक (हरियाणा)	2010	राष्ट्रीय
4.	प्राच्यविद्यापरिषद् , 45 वॉअधिवेशन	राष्ट्रीयसंस्कृतविद्यापीठ, तिरुपति (आं.प्र.)	2010	राष्ट्रीय
5.	राष्ट्रीयवेदसम्मेलन	गुजरातयुनिवर्सिटी, अमदावाद (गुजरात)	2010	राष्ट्रीय
6.	कालिदासपरिसंवाद	आर्ट्सकोमर्सकोलेज, कपडवंज (जि.खेडा) गुजरात	2011	प्रान्तीय
7.	संस्कृतविकिपिडियापरिसंवाद	गुजरातयुनिवर्सिटी, अमदावाद (गुजरात)	2012	राष्ट्रीय
8.	रिसर्चमेथडोलोजीतथामेन्यु स्क्रिप्टोलोजी	एन.एस. पटेलआर्ट्सकोलेज, आणन्द (गुजरात)	2012	राष्ट्रीय

9.	जैनकथासाहित्यसंगोष्ठी	महिलाआर्ट्सकोमर्सकोलेज, पालिताणा(जि.भावनगर) गुजरात	2012	राष्ट्रीय
10.	द्विदिवसीयराष्ट्रीयसंगोष्ठी	दिल्लीसंस्कृतअकादमी, नईदिल्ली	2012	राष्ट्रीय
11.	द्वितीयविश्ववेदसम्मेलनम्	महर्षिसांदीपनिरा.वेदविद्याप्र तिष्ठान, उज्जैन (म.प्र.)	2012	अन्तर्राष्ट्रीय
12.	राष्ट्रीयपरिसंवाद	नलिनीअरविंदएन्डटी.वी. पटेलआर्ट्सकोलेज, आणंद (गुजरात)	2013	राष्ट्रीय
13.	संस्कृतसाहित्यमेंनैतिकमू ल्यएवंमानवाधिकारकीअभि व्यक्ति	उमाआर्ट्सतथानाथीबाकोम संकोलेज, गांधीनगर (गुजरात)	2013	राष्ट्रीय

### 3. Dr. S.Y. Shastri

A.	Title of Article	Published in	Year	Level
	Details are not available.			
B.	Title of Book	Publishers	Year	Level
1	Ishavasyopanishad with 51 Sanskrit Commentaries	Sriyogi Publications, Ahmedabad	2013	राष्ट्रीय
C.	Conference	Organized by	Year	Level
1	National Seminar Literary Criticism of Prakrit Texts	Dept. of Pali, Gujarat Univ.	2013	National
2	National Seminar on Shri Vasudevanand Sarasvati	Dept. of Sanskrit, Poona Uni.	2014	National
3	Seminar on Sanskrit sources of Indian History	Tilak Maharashtra Vidyapeeth, Pune,	2014	National
4	Sanskrit Seminar on Udaharanas, Drishtantas and Nyayas	Shri Somanath Sanskrit Uni. Veraval	2014	Inter nation.
5	National Seminar on Sadhana in Theistic Philosophies of India	Anantachary Indological Research Insti., Mumbai	2014	National

## 4. Dr. H. M. Pandya

A.	Title of Article	Published in	Year	Level
1	Bruhspati smurti me arth vyavstha	Journal of the Gujarat Research society	2009	State
2	Vedo me ygya vigyan	To wards Excellence A journal of higer Education issn-0974-035x	2011	National
3	Sanskrit Language concerns and prospects	To wards Excellence A Journal of higer Education issn-0974-035x	2012	National
4	Sulbsutra antergat yagna vedi	Surashtriya Sanskrit Journal issn-2249-4383	2011	National
5	The propriety of paribhasik terms of the ancient achariya vs panini	Tattva-sodh issn-2249-4901	2011	National
6	Shastra granth ka anuvad kosha banam shastra sankalpna	M.S University issbn978-81-8090-268-0	2011	State
7	Artharved ma nirdisht ausodiya chikistsa	Sardapith Dwarka	2011	State
8	Abhigyan sakuntal ma rajniti	Nutan natya paripekshya 978-91-8013-603	2010	State
9	Mahabharat me stree dharma	Sanskrit ma jivan upyogi varso isbn 978.93.81062.65.4	2010	State
10	Dharma Sutra jeevan sanjivani	Sanskrit ma jivan upyogi varso isbn 978.93.81062.65.4	2010	State
11	Hemchandracharya ek Alankarik	Hem-prapa issn 2250-3064	2011	Sate
12	Danda Vartman priprekshy me	Tattva-sodh issn 2249-4901	2014	National

<b>B.</b>	<b>Title of Book</b>	<b>Publishers</b>	<b>Year</b>	<b>Level</b>
1	Vaividhyam	Sanskrit sahitya akadami , Gandhinagar	2010	State
2	Nityotshav	Harmoney foundation, Ahmedabadd	2010	State
3	Upnisad golden secret for powerfull personality	Aders prakasan, Ahmedabad	2011	State
<b>C.</b>	<b>Conference</b>	<b>Organized by</b>	<b>Year</b>	<b>Level</b>
1	National Seminar	Dept of Sanskrit M.S university	2009	National
2	National seminar	Dep of san su. university	2009	National
3	State leval seminar	Himatnagar Arts collage	2009	State
4	International seminar	ORIENTAL institute tirupati	2009	Internatio nal
5	International conferance	Gurukul kangdi haradwar	2009	Internatio nal
6	National seminar	Mehesana Arts college	2009	National
7	Natioal seminar	Dayanand uni Ajmer Rajsthan	2009	national
8	International seminar	Dep of san jaipur uniRajasthan	2009	Internatio nal
9	National seminar	Syamlaji Arts college	2010	National
10	International seminar	Gujarat Vidyapith	2010	Internatio nal
12	National seminar	Samarpan arts college	2011	National
13	National seminar	C.R.Gardi Arts college	2011	National
14	National seminar	C.B.patel Arts college	2012	National
15	National seminar	Dep of san north guj university	2012	National
16	International Conference	Somnath Sanskrit university	2012	Internatio nal
17	National Seminar	Saraspur Arts college	2012	National
18	National seminar	Dep of sanNorth Guj university	2012	National
19	National seminar	Uma Arts &com College	2013	National
20	National confernce	Dept hindi Guj university	2013	National
21	National conference	Gojariya Arts college	2013	National

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally/internationally to visit other laboratories/institutions /industries in India and abroad :
- (1) Prof. Vasantkumar M. Bhatt was selected by the National Mission for Manuscript, HRD Ministry, Delhi as manuscriptologist to train student to edit old manuscript, written in Kashmiri Sharada script.
  - (2) “Guru-kul yojana” was started by NMM in the department. ( 2006-07 )
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards, d) any other (please specify)
  1. Prof. V. M. Bhatt (Saraswati Samman, Delhi, Jawaharlal Nehru University, Delhi, Vikram University, Ujjain, Kalidas Samaroh, Ujjain)
  2. Prof. K.C. Choksi (1) Sahitya Akademy, Delhi, (2) Editorial Board of a Journal, Tattva-Shodha, (3) Vedic Vak-Jyoti, Haridwar., (4) Text-Book Board of Gujarat State, Gandhinagar.
  3. Dr. Sunanda Y. Shastri : (1) A member of the SET Committee, Uni. Of Poona, Examination Committee of M. S. Uni. Baroda, Exam committee of Gujarat Vidyapeeth, Ph. D. Guide panel of Somnath Skt. Uni. Veraval.
  4. Dr. Hetal M. Pandya : (1) a member of the U. G. C., Committee, Delhi, (2009 to 2015), and (2) a member of Rashtriya Sanskrit Sansthan, Delhi. (2010 to 2015)., (3) a member of exam committee of Sarada Patel University, Vallbha-vidyanagar, (4) a member of exam committee of Bhavanagar University,
27. Faculty recharging strategies (UGC, ASC, Refresher/orientation Programmes, workshops, training Programmes and similar Programmes). : N.A.
28. Student projects
- \* percentage of students who have done in-house projects including inter-departmental projects : Three students ( Decipherment of Manuscripts )
    - (1) Mr. Dharmendra Bhatt
    - (2) Mrs. Bharti Patel
    - (3) Mrs. Ankita Das
    - (4) Uni. Programme of “UDAN-2011”, Students of Sanskrit Dept. Prepared a old script demonstration on the Uni. Campus.
  - \* percentage of students doing projects in collaboration with other universities/industry/institute : NIL
29. Awards / recognitions received at the national and international level by
- \* Faculty : Two ( 1. V. M. Bhatt & Dr. K. C. Choksi )
  - \* Doctoral / post doctoral fellows : Nil
  - \* Students : One ( Miss Dhairya Mankad )

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

1. National Vedic Conference, (12-14 Nov. 2010)
2. Workshop on Translation, Sahitya Akademi, Delhi (23-24 March, 2011)
3. Ved-Vimarsh Karya-Shala, Academic Staff College, Guj. Uni. (2010)
4. Sanskrit and computer, Gujarat Uni. 5 January 2010
5. Ved-Rakshaa parisamvada, Sanskrit Sahitya Akademy, Gandhinagar, (2010)
6. Seminar on Sanskrit syllabus at Graduate level, Gujarat Uni. (2011)
7. Sanskrit Wikipeadiya – Training Programme, Sanskrit Bharti, Delhi (12-13 July, 2012)
8. Sanskrit Teaching at School level, Gujarat University, (11 Feb. 2014)

31. Code of ethics for research followed by the departments : due mentioning of scholar's name for his opinion on his past research.

- (1) Entrance examination, Group-discussion and Course work is must for a research scholar.
- (2) As per the government act we follow the reservation policy to prepare Merit list.

32. Student profile Programme-wise :

Name of the Programme (refer to question no.4)	Applica tions received	Selected		Pass percentage	
		Male	Female	Male	Female
M. A. 2007-08	120	55+	38(=93)		100%
M. A. 2008-09	126	54+	43(=97)		100%
M. A. 2009-10	137	44+	57 (=101)		95%
M. A. 2010-11	75	29+	33 (=62)	100%	100%
M. A. 2011-12	75	25+	34 (=59)	100%	100%
M. A. 2012-13	65	20+	35 (=55)	100%	100%
M. A. 2013-14	30	7+	15 (=22)	100%	100%
Ph. D. 2011-12	15	6+	5 (=11)		
Ph. D. 2012-13	12	4+	2 (=6)		

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	95%	5%	Nil	Nil
M. Phil	100%	Nil	Nil	Nil
Ph. D.	98%	1%	1%	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

1) NET : 2, & 1 JRF, 2) SET : 3, 3) GPSC : 2

35. Student progression

Students progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil.	14 from 32 (2013-2014)
PG to Ph.D.	2 from (2012-2013)
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	Nil
• Other than campus recruitment	22
Entrepreneurs	2

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	2
From other universities within the State	---
From universities from other States	1
From universities outside the country	---

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : One ( Mrs. Hetalben Pandya earned her Ph.D. in 2009 )

38. Present details of departmental infrastructural facilities with regard to  
a) Library : Common for the school, ( One Central Library & One Departmental Library ).

- b) Internet facilities for staff and students :
  - 1. Per teacher there is one computer, and Inter-net connection is available for the whole day.,
  - 2. Collection of old Sanskrit Manuscripts,
  - 3. Collection of Manuscripts Catalogues,
  - 4. Digital copies of manuscripts in c.d. form.
- c) Total number of class rooms : Ten Class-room for the entire school.
- d) Class rooms with ICT facility : Nil
- e) Students' laboratories : Not applicable.
- f) Research laboratories : Nil

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : (1) Abhishek Jain, Uni. Of Rajsthan, Jaipur, (2) Mrs. Indu Chaudhari, Merath University.

40. Number of post graduate students getting financial assistance from the university.: Nil

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : Nil

42. Does the department obtain feedback from : Yes

- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, howdoes the department utilize the feedback?  
We discuss among our staff and give some change in old pattern.
- \* students on staff, curriculum and teaching-learning-evaluation and how doesthe department utilize the feedback?  
We discuss among our staff and try to change our short-comings.
- \* alumni and employers on the Programmes offered and how does the department utilize the feedback?  
No such suggestions has been received.

43. List the distinguished alumni of the department (maximum 10)

1. Prof. K. S. Shastri, Vice-Chancellor of the Gujarat University
2. Mr. Bhagyesh Jha, IAS, Govt. of Gujarat
3. Mrs. Kusum Desai, Section – Officer, In-come Tax Dept.
4. Dr. Kalindi Pathak, HoD., Sanskrit Dept., S. V. Arts College
5. Prin. Dr. Suhasben Jhala, Sadguna Arts College for Women, Ahmedabad
6. Dr. Usha Brahmchari, Research Officer, M. S. Univ., Baroda
7. Dr. Bansidhar Upadhyay, Vice-Chancellor, Yoga University, Gandhinagar
8. Mr. Lagdhir Rabari, Registrar, Jain Bharati Uni., Ladanu
9. Mr. Pratik Bhatt, Journalist, Divya-Bhaskar Daily News Paper, Ahmedabad
10. Prin. Dr. Geetabahen P. Mehata , B.D. Arts College, Ahmedabad



11. Mr. Jayashankar H. Odhawani, GPSC, Home department, Govt. of Gujarat  
12. Mr. Jayadeep Dube , Shasanadhikari , A.M.COM. , Ahmedabad
44. Give details of student enrichment Programmes (special Lectures /workshop/seminar) involving external experts. : 12
45. List the teaching methods adopted by the faculty for different Programmes. : 6
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?  
(1) Departmental Meeting and discussion among staff-members.  
(2) By filing an annual report in the university office at the end of every academic year.
47. Highlight the participation of students and faculty in extension activities.  
(1) Prof. V. M. Bhatt and Prof. Kamlesh Choksi are actively working for the Manuscript logy and collection of Digital photo-copies of old manuscripts from the various parts of India and abroad.  
(2) National Mission for Manuscript, Delhi often invites Prof. Vasant Bhatt to conduct National Workshop on Manuscript logy and Critical Text-Editing. (More than 23 workshop have been conducted till date)  
(3) Prof. Kamlesh Choksi is invited by the Text-book Board of the Gujarat State, Gandhinagar to write “Sanskri Text-Book” for standard 09, 10, 11 and 12 (High school level)  
(4) Prof. Kamlesh Choksi has given many talks on Guj. Uni. Community Radio and explained the purports of Sanskrit Subhashita, which were very useful for the uni. Students. (2011 – 13).  
(5) Dr. Sunanda Y. Shastri has collected 51 commentaries of Ishavasyopanishad, and prepared a explanatory note on some verses. She was invited by Marry Mount Uni., U.S. A. to conduct some classes of Sanskrit language teaching. She is also working to enhance awareness of Indian culture in USA. During summer vacation.  
(6) Dr. Hetal Pandy has started to publish a Research periodical of Sanskrit language and literature, i.e. Tattva-shodha. (Half-Yearly publication) (four issues are published so far).  
(7) Two Ph. D. students are actively working to teach some old scripts, like Bangali, Granth and Kashmiri Sharada.  
(8) One Bangali student is also a helping hand to decipherment of Bangali manuscripts.
48. Give details of “beyond syllabus scholarly activities” of the department.  
(1) Blog-writing on Inter-Net, [www.vasantbhatt.blogspot.com](http://www.vasantbhatt.blogspot.com)  
(2) Data base material in Excel sheet, for History of Sanskrit Literature.  
(3) Data base material in Excel sheet, for Avyayas in Sanskrit language.  
(4) Text book writing for M.A. syllabus.  
(5) Public lectures regarding Indian Culture.

- (6) Active member of “Brihad Gujarat Sanskrit Parishad”, local institution working for Sanskrit.
  - (7) Active member of “Bharat-Vidwat-Parishat” on Inter-Net, to exchange views on Sanskrit studies.
  - (8) To attend various lectures at the L. D. Institute of Indology, Ahmedabad.
  - (9) Live lectures for under-graduate students through government T.V. Programme., Gandhinagar
  - (10) To guide UG teacher to prepare research proposals, through “Knowledge Consortium of Gujarat” ( KCG, Gujarat Govt. Venture)
49. State whether the Programme/department is accredited/graded by other agencies? If yes, give details. : No other agency has accredited our department.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- (1) Collection of digital copies of old Sanskrit manuscripts.
  - (2) Decipherment of old scripts, like Kashmiri Sharada, South Indian Granth, and old Bangali.
  - (3) Rare and unpublished Bangali commentary on Abhijnanshaakuntalam was brought out from the India Office Library , London, and it is critically edited & published by Prof. V. M. Bhatt in 2013.
  - (4) Recently Prof. V. M. Bhatt is busy with the editing work of the Kashmiri stage version of Abhijnanashaakuntalam. He has found out a lost Brikh-bark manuscript of Shaakuntalam., which was written in 1670 a.d.
  - (5) Prof. Kamlesh Choksi has prepared a “ Veda-Pradarshani ”( Display of Vedic Sciences & Literature ) for the awareness of great Indian heritage in the new generation.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department.
- (1) S : (1) Collection of digital copies of old manuscripts, (2) team of students who can read old scripts like “Sharada”, “Granth”, and “Bangali”. (3) Good number of Power-point presentation has been prepared as teaching aids for Panini’s grammar; this an effort to go in the e-learning direction.
  - (2) W : vacant posts in the department, No research projects sponsored by UGC.
  - (3) O : (1) we can teach variety of courses due to “Choice Based Credit System” in semester pattern exams.(2) We have good number of students from rural area & students from reservation category , so we can up-lift the particular class of the society.
  - (4) C : To develop reading and writing skill in Sanskrit, as it is a need of the day. ( Heavy flow of S. C., S. T. students at M. A. & M. Phil level, who cannot read or write Sanskrit properly.)

52. Future plans of the department

- (1) We would like to develop power-point presentation of various subject to change our teaching methodology.
- (2) Use of Excel sheets to prepare a data-base & then some “Search engine ” will be developed for new teaching methodology.
- (3) Dept. Of Sanskrit will create a big collection of old Sanskrit manuscripts, which will prove as a basic research-material for higher research in Sanskrit.
- (4) We will propose UGC Minor and Major research projects in future.

## 9. School of Law

1. Name of the Department : University School of Law
2. Year of establishment : 1976
3. Is the Department part of a School/Faculty of the university?: Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : PG, Ph.D.
5. Interdisciplinary Programmes and departments involved : LL.M.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons: Environment Law (LL.M)
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) :

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor			
Associate Professors		2	
Asst. Professors			
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialisation	No. of years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. K. C.Raval	B.Com.,M.A., D.T.L.P., L.L.M., Ph.D.	Asso.Prof.	Commercial Law	18	5
Dr. S.P. Rathor	B.Com.,L.M., Ph.D.	Asso.Prof.	Commercial Law	18	3

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL
13. Percentage of classes taken by temporary faculty – Programme-wise information : NIL
14. Programme-wise Student Teacher Ratio :
15. Number of academic support staff (technical) and administrative staff: sanctioned-2 clerk,2 peon,1 librarian,1 safai kamdar. filled and actual : 1clerk, 1peon, 1 librarian, temporary safai kamdar.
16. Research thrust areas as recognized by major funding agencies :Law
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.: NIL
18. Inter-institutional collaborative projects and associated grants received : NIL  
a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT,ICSSR, AICTE, etc.; total grants received. : NIL

20. Research facility / centre with UGC

- state recognition
- national recognition : Yes by UGC
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies : N A

22. Publications :NIL

- \* Number of papers published in peer reviewed journals (national / international)

Year	Dr. K.C. Raval	Dr. S.P. Rathor
2007 - 08	Paper Presented - 11    Book - 3	Paper published - 1
2008 - 09	Paper Presented - 06    Book - 3	Paper published - 1
2009 - 10	Paper Presented - 06    Book - 1	Paper published - 1
2010 - 11	Paper Presented - 03    Book - 1	Paper published - 1
2011 - 12	Paper Presented - 01    Book -	Paper published - 1
2012 - 13	Paper Presented - 03    Book - 4	Paper published - 4
2013 - 14	Paper Presented -        Book -	Paper published - 1

- \* Monographs
- \* Chapters in Books
- \* Edited Books
- \* Books with ISBN with details of publishers
- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Citation Index – range / average
- \* SNIP
- \* SJR
- \* Impact Factor – range / average
- \* h-index

23. Details of patents and income generated :N A

24. Areas of consultancy and income generated: N A

25. Faculty selected nationally/internationally to visit other laboratories/institutions /industries in India and abroad :NIL

26. Faculty serving in :NIL
- a) National committees b) International committees c) Editorial Boards  
d) any other (please specify)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). : NA
28. Student projects :N A
- \* percentage of students who have done in-house projects including inter-departmental projects
  - \* percentage of students doing projects in collaboration with other universities/industry/institute
29. Awards / recognitions received at the national and international level by : NIL
- Faculty
  - Doctoral/post doctoral fellows
  - Students
30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. :
- Organized UGC sponsored National Seminar on Human Rights in Emerging Areas and Value Education, during 8-9 September, 2011. Where morethan 100 participants including teachers and research scholars belongs to.
- Organized National Semonar on “ Law and Challenges in 21<sup>st</sup> Century: Special Reference to Women.” On 20 January 2013 where morethan 120.
- Organized National Seminar on”Evolution and evaluation of empowerment of women” on 8<sup>th</sup> March, 2013 where around 100 participants including.
31. Code of ethics for research followed by the departments

32. Student profile Programme-wise :

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08 Environment Law	150	41	30	8	9
2007-08 IPR	180	48	37	9	15
2008-09 Environment Law	185	36	32	12	8
2008-09 IPR	190	44	38	11	8
2009-10 Environment Law	187	42	31	10	7
2009-10 IPR	166	31	32	20	13
2010-11 Environment Law	19	8	11		
	25	12	13		
	125	28	28		
2011-12 IPR sem-1	145	37	39	1	4
Sem-III+IV	5	1	4		
Sem-II	42	22	20		
2012-13 IPR Sem-I	169	34	45	4	7
Sem-III+IV	55	23	32	2	0
				9	6
2013-14 IPR Sem-I	185	32	38	5	8
Sem-II	49	21	28	10	12
Sem-IV	19	6	13	awaiting	

33. Diversity of students : NIL

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.



35. Student progression

Students progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Our students are already engaged in practice or job. Very few are busy with only study
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	Yes
From other universities within the State	Yes
From universities from other States	Yes
From universities outside the country	No

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NA

38. Present details of departmental infrastructural facilities with regard to

- a) Library : Available
- b) Internet facilities for staff and students : Available
- c) Total number of class rooms : 2 + 2 = 4.
- d) Class rooms with ICT facility : Yes
- e) Students' laboratories : N.A.
- f) Research laboratories: N.A.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university :NA
- b) from other institutions/universities : NA

40. Number of post graduate students getting financial assistance from the university.:NA

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : Yes IPR-WTO Development. : The two new courses at LL.M. specialization i.e. Environment Legal Order and Intellectual Property Rights were introduced in the year 2003 and 2005 respectively. While to need assessment of Environmental Law was based on UGC CDC Report. The IPR was introduced on the basis of need tell by the
42. Does the department obtain feedback from
  - a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
  - c) alumni and employers on the Programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment Programmes (special lectures/workshops/seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different Programmes.: Group Discussion, Seminar method,
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?: Results, Employment & Skill Development in present job profession.
47. Highlight the participation of students and faculty in extension activities. : Students are participating in extensional activities such as training at different NGOs, National Innovation Foundation, State pollution Control Board etc. apart from their regular training.
48. Give details of “beyond syllabus scholarly activities” of the department.: Training to Govt. Officers,
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating newknowledge, basic or applied. : University School of Law is one of the premiere law institution in the State of Gujarat, established in the year 1978. It is imparting specialization in the Master of Laws. At present, this law school is one of the few P.G. Department across the country to offer Intellectual Property Rights as a specialization. Ever since India became the member of WTO, the law relating to Intellectual

Property gained momentum, being integrated with trade. Though, IPR is not a new subject, but its importance in the Post-WTO regime made India to understand this branch of law from a new perspective in an era of globalization. This makes the specialization offered by the School an unique opportunity to train the prospective lawyer's this new branch of law, hence, generating new knowledge which they apply in their specialized branch of profession.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department.**

The strength of the department are:

1. An exclusive Post-graduate department.
2. Most qualified teachers with long post-graduate teaching experience.
3. An unique specialization in an era of globalization.
4. One of the best available syllabus on the subject across the country.
5. Fulfilling the demand of IPR lawyers,

The weakness of the Department.

1. Only two faculty members.
2. No homogeneity in the students.
3. Not having good logistic support( both infrastructure and resources)
4. Very few financial support for library and procurement of other software's.
5. No liaison with industry.

52. **Future plans of the department.**

University School of Law wants to be one of centre of excellence in the field of Intellectual Property Laws in the next five years. It also become one of the centre in the country for IP research and looking forward to be one of the nodal centre for University-Industry liaison.

## 10. Department of Education

1. Name of the Department :**Education**
2. Year of establishment :**1964**
3. Is the Department part of a School/Faculty of the university :  
**University School Psychology, Education & Philosophy, Gujarat University**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**M. Ed.M. Phil. (Education), Ph. D. (Education)**
5. Interdisciplinary Programmes and departments involved :**NO**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of Programmes discontinued, if any, with reasons : **No.**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
**Semester / Choice Based Credit System**
9. Participation of the department in the courses offered by other departments :**NONE**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professors	01	01	01
Associate Professors	02	02	02
Asst. Professors	03	03	03
Others	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D/M.Phil students guided for the last 4 years
Prof. R.S.Patel	M. Sc., M.Ed. Ph.D.	Professor , Head & Director	Res. Metho. & Edu. Stat.	34	13 + 11
Dr. Milan Mistry	M. Com, M.Ed., Ph.D.	Asso. Prof.	<i>Psychological Testing</i>	24	4 + 6
Dr.S.S. Shukla	M. Com, M.Ed., Ph.D.	Asso. Prof.	Edu. Tech.	24	1 + 6
Dr. L. G. Malav	M.A. M.Ed. Ph.D.	Asso. Prof.	Guidance and counseling	20	00 + 8
Dr. A. J. Bharwad	M.Ed. Ph.D.	Asso. Prof.	Edu. Meas. Eval.	20	00 + 6
Dr. M. C. Shahstri	M.Ed. Ph.D.	Asso. Prof.	Educational Management	20	00 6

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : **NIL**
13. Percentage of classes taken by temporary faculty – Programme-wise information
14. Programme-wise Student Teacher Ratio : **7 : 1**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual **Class - III : 2, Class - IV : 2**
16. Research thrust areas as recognized by major funding agencies : **Impact of Primary teachers training & Psychological Testing, Education Measurement, Educational Statistics & Data Analysis.**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :**4 (Three funded by UGC & One funded by MHRD)**
18. Inter-institutional collaborative projects and associated grants received : **2**  
a) National collaboration : 40 Lacs b) International collaboration : **NIL**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **6 Projects and received grant Rs. 50 Lacs + 30 Lacs (2014)**
20. Research facility / centre with
- state recognition :
  - national recognition : **Senses data centre for Western India.**
  - international recognition :
21. Special research laboratories sponsored by / created by industry or corporate bodies : **None**
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international) : **12 + 8 = 20**
  - \* Monographs : **1**
  - \* Chapters in Books
  - \* Edited Books : **2**
  - \* Books with ISBN with details of publishers : **17**
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International SocialSciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average :
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average : **0.17 to 2.562**
  - \* h-index (Avg)
23. Details of patents and income generated **NIL**
24. Areas of consultancy and income generated **NIL**
25. Faculty selected nationally/internationally to visit other Laboratories / institutions/industries in India and abroad : **2 International (One Dubai – United Arab Emirates Dated: 28-29 January, 2014 & One California State, University of Riverside Dated: 2-3 May, 2014 U.S.A. )**
26. Faculty serving in
- a) National committees : 1, b) International committees c) Editorial Boards d) any other (please specify) :
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). : **30**

28. **Student projects**
- \* percentage of students who have done in-house projects including inter departmental projects : 100%
  - \* percentage of students doing projects in collaboration with other universities/industry/institute : NIL
29. **Awards / recognitions received at the national and international level by**
- Faculty : 7
  - Doctoral / post doctoral fellows
  - Students
30. **Seminars/ Conferences/Workshops organized and the source of funding(national/international) with details of outstanding participants, if any. :30 many were funded by UGC One funded by MHRD, India. One funded by Ministry of Home, India. And some funded by GCERT & NCERT.**
31. **Code of ethics for research followed by the departments : as per University, State Government & UGC Guidelines.**

32. Student profile Programme-wise :

Name of the Programme (refer to Question no.4)	Years	Application Received	Selected		Pass Percentage	
			Male	Female	Male	Female
M. Ed.	2007-14	3500 Centralized	91	154	100%	100%
M. Phil.	2007-14	420	35	140	100%	100%
Ph. D.	2007-14	700	22	68	100%	100%

33. Diversity of students :

Name of the Programme(refer to Question no.4)	% of students for same the University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M. Ed.	93%	5%	2%	NIL
M. Phil.	93%	5%	2%	NIL
Ph. D.	93%	5%	2%	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET : 15                      SLET : 20

35. Student progression

Student Progression	Percentage against enrolled
U.G. to P.G.	N/A
P.G. to M.Phil.	50%
P.G. to Ph. D.	20%
Ph. D to Post-Doctoral	---
Employed	
• Campus Selection	---
• Other than campus recruitment	100%
Entrepreneurs	---



36. Diversity of staff

<b>Percentage of faculty who are graduates</b>	
Of the same university	100%
from other universities within the State	---
from universities from other States	---
Universities outside the country	---

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

38. Present details of departmental infrastructural facilities with regard to

- a) Library : Facility of E-Journals through INFLIBNET :  
Total No of Books in Departmental Library : 3000
- b) Internet facilities for staff and students  
Education Department has good computer facilities with more than 15PCs. University has provided to us the internet facilities through fiberlinked intranet. Each faculty member has computer in his/her cabin with internet connectivity and printer.
- c) Total number of class rooms : 4
- d) Class rooms with ICT facility : 1
- e) Students' laboratories : NIL
- f) Research laboratories : NIL

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : NIL
- b) from other institutions/universities : NIL

40. Number of post graduate students getting financial assistance from the university. : NIL

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : NIL

42. Does the department obtain feedback from

- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : YES, The department utilizes the feedback in restructuring the syllabus by introducing relevant courses.
- \* students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : The department utilizes the feedback by students for modifying the curriculum according the requirement of industries and other national level competitions.
- \* alumni and employers on the Programmes offered and how does the department utilize the feedback? :To give more emphasis for placement.

43. List the distinguished alumni of the department (maximum 10) : 10
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.: 10
45. List the teaching methods adopted by the faculty for different Programmes.
  - Class room teaching
  - Power Point Presentation
  - Seminars
  - Video Programmes
  - Project Designing
  - Assignments & Quizzes
  - Group Discussion
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? : Continuous evaluation through various examinations and every faculty of the department is allotted maximum seven students for their M.Ed. Dissertations. Maximum five students are allotted to every faculty for M.Phil guidance.
47. Highlight the participation of students and faculty in extension activities.: students and faculty members are encourage internship Programmes as part of their research projects faculty members are specifically trained for the dissertation guidance.
48. Give details of “beyond syllabus scholarly activities” of the department.  
\* Educational / institutional visits are organized for students at the places like UGC, NCERT, Doon School, IIM - Ahmedabad, Smart School – Gandhinagar, GCERT where the students are encouraged to interact with the experts of various disciplines.

49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. ---
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths :**

- Due to remarkable work and affords in psychological testing this department has been famous as a Department of Testing and our University is known as University of Testing.
- The department is recognized at national and international level through the publications made by the faculties in renowned journals.
- The department is being represented strongly at various national and International conferences by its faculty members
- The department has successfully completed A Study of Impact of In-service Teacher Training under SSA on Classroom Transaction, MHRD through NCERT, New Delhi Project.
- MOU for the Census Workstation for Research at Department of Education, Gujarat University given by Ministry of Home Affairs/Grih Mantralaya Central Government, New Delhi on 5<sup>th</sup> May, 2013. This centre is the census workstation centre for western India.
- Many projects under individual faculties are completed and also running successfully.
- Department is successfully running One PG course, one M. Phil. course and Ph. D. A large number of students are being benefitted by this.

**Weakness :**

- Insufficient grant from State government as well as UGC so, it is very difficult to develop the Department like other central Universities.

**Opportunities:**

- Our Departmental students will get the placement 100% last so many years.
- The placement are in GCERT, DIET, S.F. Colleges, School Principals, Higher Secondary Teachers, Secondary Teachers and Primary Teachers.
- With state level institutes like GCERT and DIET and HSE Board the students are getting benefitted.

**Challenges / Threats:**

- Less number of technical and administrative staff.
- Infrastructure facilities.
- Insufficient Grant from UGC and State government.

52. **Future plans of the department. :**

- University has approved the extended construction of existing building of the school. The upgraded facilities are to be created by the university which in turn will help the department to establish a Centre for Advanced Studies in Education.

**Publications Appendix (1)**

**Dr. R.S. Patel**

**Book Published :**

1. **Review of Related Literature**, Department of Education, Gujarat University, Ahmedabad, October-2006.
2. **Statistical Method for Educational Research**, (Gujarati Version), (For M.Ed., M.Phil. Course) First Edition, Jay Publication, October-2008.
3. **Research Abstracts** (M.Ed. Dissertations) of Gujarat University from 1993 to 2006, Jay Publication, October-2008.
4. **Research Abstracts** (M.Ed. Dissertations) of Prakash College of Education from 1992 to 1997, Jay Publication, October-2008.
5. **Statistical Method for Educational Research**, (For M.Ed., M.Phil., Ph.D. Course) (Gujarati Version), Second Edition, Jay Publication, March-2009.
6. **Fundamental Concept of Educational Research**, (Hand Book of Research), (Gujarati Version), First Edition, Jay Publication, January-2010.
7. **Statistical Method for Educational Research**, (English Version), (For M.Ed., M.Phil., Ph.D. Course) First Edition, Jay Publication, December-2010.
8. **Fundamental Concept of Educational Research**, (English Version), (Hand Book of Research), (For M.Ed., M.Phil., Ph.D., NET, SLAT Course of all faculty), First Edition, Jay Publication, December-2010.
9. **Methods of Educational Research** (For M.Ed., M.Phil., Ph.D. Course) (Gujarati Version), First Edition, Jay Publication, December-2010.
10. **Research Abstracts** (M.Phil. & Ph.D. Thesis), of Gujarat University from 1993 to 2009, Jay Publication, July, 2011.
11. **Psychological Testing**, (For M.Ed., M.Phil., Ph.D. Course) (Gujarati Version), First Edition, Jay Publication, July-2011.
12. **Research Handbook**, (For all discipline) (International Version), First Edition, LAP LAMBERT Academic Publishing GmbH & Co. KG Dudweiler Landstr. 99, 66123 Saarbrücken, Germany, printed in USA & UK, November-2011.
13. **Statistical Techniques for Data Analysis**, (For all discipline) (International Version), First Edition, LAP LAMBERT Academic Publishing GmbH & Co. KG Dudweiler Landstr. 99, 66123 Saarbrücken, Germany, printed in USA & UK, February-2012.

14. **Fundamental Concept of Educational Research**, (English Version), (Hand Book of Research), (For M.Ed., M.Phil., Ph.D., NET, SLAT Course of all faculty), First Edition, Jay Publication, 2012.
15. **Research in Education (Part-I)** Jay Publication, June-2012.
16. **Research in Education (Part-II)** Jay Publication, January-2013. ISBN : 978 - 81 - 926052 - 03.
17. **Methodology of Educational Research**, Jay Publication, 2014. ISBN : 978 - 81 - 926052 - 4 - 1

**Research Paper published in International Journals :**

1. **Effect of High Fluoride Water in Intelligence of School Children in India,(Inter Disciplinary joint paper)**  
A paper published at International Society for Fluoride Research 40(3) 178-183, Ocean View, Dunedin 9035, New Zealand, July-Sept., 2007.
2. **The Scientific and Practical way for Total Quality and Excellence**  
A paper presented at 4th International Convention on Quality Circle in Education, Mauritius held at MSQCC Mauritius, September 15 to 20, 2008.
3. **An Investigation to under Achievers having high Numerical Ability**  
A paper presented at Department of Education, Mauritius University, Mauritius, September 15 to 20, 2008.
4. **A Study of Path Analysis**  
A paper published in International Journal of Education for Human Services, Reviewed Journal Bi-annual, ISSN 0976-1128, Vol.-i, No.-1, January-2010
5. **Causes of Under Achievement**  
A paper published in Journal of Teacher Education and Behavioural Science, ISSN 0976-1535, Vol.-i, Year : 1, April, 2010
6. **Present position of Primary Education of Gujarat State**  
A paper presented in International seminar, Indian Education The positive Turmoil at UGC, New Delhi, February, 7-9, 2011
7. **Four Pillars of Education – A True Philosophy in the field of Education**  
A paper presented at Department of Philosophy, Gujarat University, Ahmedabad, February 10-11, 2011.
8. **Role of Higher Education for Women Empowerment**  
A paper published in Journal of Teacher Education and Behavioural Science, ISSN 0976-1535, Vol.-iii, Year : 2, April, 2011
9. **Factor Analysis - Theoretical Interpretation**  
A research paper published at "E-Reflection - A International Multidisciplinary Peer reviewed E-Journal", International Level Journal May-June 2012, (Bi-Monthly) Vol.1, Issue-II, ISSN: 2278-120X

10. **GROUND WATER QUALITY ASSESSEMENT WITH SPECIAL REFERENCE TO FLUORIDE AND ITS IMPACT ON IQ OF SCHOOL CHILDREN IN SOME VILLAGES OF MUNDRA REGION, KACHCHH, GUJARAT (Inter Disciplinary joint paper)**  
A paper published at International Society for Fluoride Research Inc., Ocean View, Dunedin 9035, **New Zealand**, October-December., 2012.
11. **Formative Evaluation - Concept & Understanding**  
A research paper published at "Voice of Research - An International Journal", International Level Journal August 2012, (Bi-Monthly) Vol.1, Issue-3, ISSN: 2277-7733
12. **Use of Canonical Analysis in Educational Research**  
A research paper published at "International Journal of Multidisciplinary Research (IJMR)", International Level Journal, Pune. November 2013, (Bi-Monthly) Vol.2, Issue-8(II), ISSN: 2277-9302
13. **Application of Canonical Variate Analysis (CVA) In Educational Research**  
A research paper was published at "International Research Conference", International Level Journal, to be held at Dubai. January 2014, (Bi-Monthly) Vol.2, Issue-8(II), ISSN: 2277-9302

**Research Paper published in National Journals :**

1. **Multimedia Computer - A Powerful tool for the Instructional Innovation at School Level** Gujarat Journal of Psychology, Vol.24, October-December-2007.
2. **Measurement of An Attitude**  
A paper presented and published at 'Research Tool', A State Level Forth Seminar on Educational Research Guidance, Shikshan Mahavidhyalay, Gujarat Vidhyapith, Ahmedabad, January 23-25, 2008.
3. **Construction of Manual**  
A paper presented and published at 'Research Tool', A State Level Forth Seminar on Educational Research Guidance, Shikshan Mahavidhyalay, Gujarat Vidhyapith, Ahmedabad, January 23-25, 2008.
4. **Measurement of Attitude**  
A paper presented and published at 'Research Tool', A State Level Forth Seminar on Educational Research Guidance, Shikshan Mahavidhyalay, Gujarat Vidhyapith, Ahmedabad, 23-25, January-2008.
5. **Causal Comparative Method (CCM)**  
A research paper presented and published at 5th Level Seminar, 'Guidance for Educational Research' Ph.D. Guide Association, A State Level Fifth Seminar on Educational Research Guidance, Virnarmad South Gujarat University, Surat, January 3 - 4, 2009.

6. **Report writing in Numerical Research**  
A research paper presented and published at 6th Level Seminar, 'Guidance for Educational Research' Ph.D. Guide Association, A State Level Sixth Seminar on Educational Research Guidance, KVKS Kutch University, Bhuj-Kutch, April 9-10, 2011.
7. **Report writing in Quantitative Data analysis, Presentation Analysis and Interpretation and its Guidance.**  
A research paper published at "Shikshan Chintan", A State Level Journal Jun-July 2012, Vol.1 ISSN: 2278-5647
8. **Continuous Comprehensive Evaluation (CCE)**  
A research paper published at "Shikshan Chintan", A State Level Journal July-August 2012, Vol.1 ISSN: 2278-5647

**Awards :**

1. **Sarashwat Award**  
Award given by Achala Foundation, Ahmedabad for Research & International Publications in the Field of Education, February 24, 2013.
2. **Ideal Professor Award**  
Award given by Chandaraya Foundation Sanskruti Vahini and Anarde Foundation, Mumbai, February 19, 2011.
3. **Rajiv Gandhi Excellence Award**  
For Outstanding International Achievement and Distinguished Services to the Nation in Educational Research by India International Friendship Society, (IIFS), New Delhi, 8th September, 2010.
4. **Rashtriya Gaurav Award**  
For Meritorious Services and Outstanding Performance and Remarkable role in Educational Research by India International Friendship Society, New Delhi, October 10, 2009
5. **International Gold Star Award**  
For Excellence in Promoting Global Friendship Economic Development in Education at Bangkok - Thailand, November 13, 2009.
6. **Total Quality and Excellence in Education**  
Award given by MSQCC, (Mauritius Society for Quality Control Circle), Mauritius, September 15-20, 2008.

## **Publications Appendix (2)**

**Name: Dr. Milanbhai T. Mistry**

### **Book Published :**

1. Educational Measurement and Evaluation Paradise Publishers, Jaipur. (Year, 2012-13)
2. Educational Research, Paradise Publishers, Jaipur.(Year,2012-13)
3. Psychology in Education cap Lambert Academic Publishing.(Year,2012-13)
4. Advanced Educational Research &Statistics. Paradise Publishers .Jaipur (Year,2014-15)

### **Research Paper published in International Journals :**

1. A Study of Self actualization related to teacher effectiveness of Secondary School Teacher of Gujarat. International Journal of Education for Human Services. ISSN NO.09761128 (Year,2010-11)

### **Research Paper published in National Journals :**

1. National Priorities in Higher education Scope for Privatization The C.T.E National Journal (ISSN No.22293477) (Year, 2010-2011)
2. A study for teachers Relationship between job Satisfaction and Mental Health Awareness (Journal of Advances in Developmental Research) ISSN. No 09764704(Year,2010-2011)
3. Educational Evaluation for quality Assessment of Higher education institutes The CTE National journal (ISSN No. 0973-4457) (Year,2011-12)
4. Communicative Competence among preserved teachers Education for All, Aph Publishing Corporation (ISSN No.23192437) (Year,2012-13)
5. Significance of Free and Compulsory primary Educational Technology and Research, APH Publishing Corporation (ISSN.NO.2278232) (Year,2012-13)

### **Awards :**

1. Rastriya Gaurav Award.International Friership Society New delhi, (2011 - 12)
2. Glory of India Award. Indo-Thai Friendship Banquet at Bangkok (2011 - 12)
3. The best Citizens of India Award International Publishing House. New Delhi. (2011 - 12)



**Publications Appendix (3)****Dr. SATISHPRAKASH S. SHUKLA****Published Books (i) (As Single Author) :**

<b>Sr. No.</b>	<b>Name of the Book</b>	<b>Level</b>	<b>ISBN No.</b>	<b>Year Of Publication</b>	<b>Publisher</b>
1.	Educational Psychology	National	81 - 9214736 - 3	2011	Agrawal Publications, Agra, India
2.	The Learner - Nature and Development	National	84 - 9214744 - 4	2012	Agrawal Publications, Agra, India
3.	Principles and Techniques of Teaching and Learning	National	978 - 93 - 81124 - 94 - 7	2012	Agrawal Publications, Agra, India
4.	Information and Communication Technology in Education	National	978 - 93 - 81124 - 94 - 9	2012	Agrawal Publications, Agra, India
5.	Educational Evaluation	National	978 - 93 - 82355 - 53 - 3	2013	Agrawal Publications, Agra, India

**Published Research Papers :**

<b>Sr. No.</b>	<b>Title of the Paper</b>	<b>Presented / Published At / in</b>	<b>ISSN No.</b>
1.	Problems of the Adolescents according to the Secondary Schools' Teachers	Gujarat Manovigyan Darshan - Vol. 4 - Issue No. 4 - 2010	2229 - 3477
2.	मा[० पा# के प/it ix9k p/ix9 ai4Ryo. kI mnov<i% (Attitude of Teacher Trainees towards Micro Lesson)	Research Journal of Indian Cultural, Social & Educational Stream - SAMBHAVYA - Vol. 1, No. 2 July - September 2010	0976 - 9358
3.	Study of the Professional Aptitude of IGNOU Teacher Trainees	Research Analysis and Evaluation - An International Journal - Vol. 1, Issue - 12 - September 2010	0975 - 3486
4.	Effect of Simulated Practice Teaching on Teaching Competency of Student Teachers of B. Ed.	Shodh Samiksha Aur Mulyankan - An International Journal - Vol. II, Issue - 20 - September 2010	0974 - 2832
5.	Problems of Adolescents According to Secondary Schools' Teachers	Gujarat Manovigyan Darshan - Vol. 4, Issue 4 - November 2010	2229 - 3477

<b>Sr. No.</b>	<b>Title of the Paper</b>	<b>Presented / Published At / in</b>	<b>ISSN No.</b>
6.	External Assessment of the Teacher Trainees of Gujarat University	Research Journal of Indian Cultural, Social & Educational Stream - SAMBHAVYA - Vol. 2, No. 4 January - March 2011	0976 - 9358
7.	Attitudes of Higher Secondary Teachers towards Educational Technology	Journal of Humanities Social Science & Management - Vol. - II, Issue - I, Jan - June 2011	0974 - 9772
8.	Mathematical Reasoning Ability of Secondary Schools' Students	Research Journal of Indian Cultural, Social & Educational Stream - SAMBHAVYA - Vol. 2, No. 4 January - March 2011	0976 - 9358
9.	Computer Aptitude of Secondary Schools' Students	Gujarat Manovigyan Darshan - Vol. 5, Issue 9 - Oct. - Dec. 2011	2229 - 3477
10.	Information Technology in Teacher Education	Journal of Humanities Social Science & Management - Vol. - II, Issue - I, Jan - June 2012	0974 - 9772
11.	Study of Teaching Aptitude of Primary School's Teachers	Journal of Humanities Social Science & Management - Volume - V - Issue - 1, January - June 2014	0974 - 9772

**Publications Appendix (4)****Dr. MANOJ C. SHASTRI****Published Paper :**

<b>Sr. No.</b>	<b>Name of Paper</b>	<b>Name and volume of Journal / Edited Book</b>	<b>Level (State / National / International) / Name of ditors</b>	<b>ISSN No.</b>
1	Role Perception of Tribal Teachers of the Primary Schools of Vijaynagar	AIAER Vol.19 ,. 1 & 2, Mar., 2007	International	0970 - 9327
2	Educational Vision for Future	Modern Edu. Res.in India, Vol.3, No-2, Year-2, April-June.2008	National	0974 - 0554
3	A Study of the National Values seen in the Students of Std. VIII Of Dhandhuka Taluka with Reference to Certain Variables	GYAN Vol.4, No.2, June, 2008	International	0972 - 9992

4	Improve Communication through Electronic Media in Communication Age	Guj.Jr. of Psy., V. 26-27, Yr-7, Apr-Sept-2008	National	0974 - 0554
5	Social problems and education of Ex-Criminal tribes	Mod.Edu.Res. in India, VI.4, No-1, Yr-2, Jan-Mar.2009	National	0974 - 0554
6	The Internet in the ESL curriculum: harnessing the 'learning strategy' back into E-learning	Mod.Edu.Res. in India, VI.5, No-2, Yr-2, Apr-June.2009	International	0974 - 0554
7	A Study of the anxiety of the secondary school students of Ahmedabad city	Mod.Edu.Res. in India, VI.8, No-1, Yr-3, Jan-March-.2010	International	0974 - 0554
8	Using Metaphor to Make Sense and Build Theory in Qualitative Analysis	Journal of Teacher Edu. & Behavioral Science.Year-1,Vol-1,Jan-April,2010	National	0976 - 1535
9	The A Study of Environmental Awareness of Secondary School Students	International Journal of Education For Human Services Year-1,Vol-1,Jan-June,2010	International	0976 - 1128
10	A Study of Motivational Factors Leading Towards Efficiency Among Teachers	Journal of Psy. for Learning & Research. Vol-4, Issue-4,2010	National	2229 - 3477
11	A Study of Mental Health of Secondary School Students of Ahmadabad City.	International Journal of Education For Human Services Year-1,Vol-2, July-december, 2010	International	0976 - 1128

12	Essential Part of Education:Secularism	International Journal of Education For Human Services June 2011	International	0976 - 1128
13	A Study of Knowledge Inculcate with Special Reference to Hinduism, Christianity & Muslimisam	EDUSEARCH Vol-2, No-1, October 2011	National	0976 - 1160
14	The Impact of Yoga on Anxiety of Secondary School Students	BRICS Journal of Educational Research , Vol. 1, No. 2, April- June 2011	International	2231 - 5829
15	A study of the Perception of Social Value in the High School Students of Ahmedabad District	Mod.Edu.Res. in India, VI.16, No-1, , March,2012	National	0974 - 0554
16	A Study of Mental Health of The Students of Std. 9th Of Modasa Taluka	International Journal of Education For Human Services Year-2,Vol 2, July, 2012	International	0976 - 1128
17	A Study of Mental Health of The Students of Std. 9th Of Modasa Taluka	International Journal of Behavioral Social and Movement Sciences (on line blind peer reviewed Indexed Journal) Vol-01, Issue - 03, July, 2012	International	2277 - 7547
18	A Study Of Effectiveness Of The College Teacher In Relation To Certain Variables, Page no. 88, Vol. 02, April 2013, Issue02	International Journal of Behavioral Social and Movement Sciences (on line blind peer reviewed Indexed Journal) Vol-02, Issue-03, April,2013	International	2277 - 7547
19	A Study of Relation between Left and Right Brain Domain student's Emotional Intelligence and	BRICS Journal of Educational Research , (blind peer reviewed Indexed Journal) Dr.Manojkumar	International	2231 - 5829

	Educational Achievement Page no.17 Vol.03 Issue 01 Jan-March 2013	Saxena, M.M.University, Mullana-Ambala.		
20	A study of Attitude of Students toward Economics Subject	International Journal of Education For Human Services Vol - 3, No - 2 June, 2013	International	0976 - 1128
21	Effect of Open Book Examination on the Learning Outcome of College Students Akas ,Page 130 August,2013	Akas, UGC Sponsored National seminar on Evaluation As a Tool for Quality Assurance, organized by IQAC,Vaidya Shri M.M.Patel College of Education, Ahmedabad on August 18 <sup>th</sup> , 2013	National	978 - 93 -82379 - 07 - 2
22	A Study of the Personality of the Secondary School Teachers with Reference to Certain variables	International Journal of Education For Human Services, Vol - 4, No.1 December, 2013	International	0976 - 1128

**Book Published :**

Sr. No.	Title of the Books	Language	FIRST EDITION	PUBLISH ER	ISBN No.
1	Philosophical Foundation of Education	English	April, 2012	SSTCT Publication Ahmedabad	978 - 81 - 922135 - 9 - 0
2	Sociological Foundation of Education	English	April, 2012	SSTCT Publication Ahmedabad	978 - 81 - 922135 - 2 - 1
3	Educational Management	English	May, 2012	SSTCT Publication Ahmedabad	978 - 81 - 922135 - 5 - 2
4	Educational Planning & Financing	English	May, 2012	SSTCT Publication Ahmedabad	978 - 81 - 922135 - 8 - 3

5	Akas, UGC Sponsored National seminar on Evaluation As a Tool for Quality Assurance, organized by IQAC,Vaidya Shri M.M.Patel College of Education, Ahmedabad on August 18 <sup>th</sup> , 2013	English	August,20 13	SSTCT Publication Ahmedabad	978 - 93 - 82379 - 07 - 2
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**AWARD RECEIVED :**

**BHARAT GAURAV RATAN AWARD-2011**, Received on 15<sup>th</sup> June, 2012.

**Publications Appendix (5)**

**Dr. Amrut J. Bharvad**

**Particulars of Research work and/or Publications :**

**Research Publications :**

Sr. No.	Name of Journals/ Magazines / Reports	Title of the Paper	Name of the Publication	Year
1	'VIDYA', A journal of the Gujarat University, Vol.-5, Published by Gujarat University, Ahmedabad	Peace Education	Vidhya	2010
2	Gujarat Manvovignan Darshan	Working towards the sustainable Development : International Efforts	Journal of Psychology for Learning and Research ISSN No. -2229-3477	2010

3	Research Analysis and Evaluation	Curriculum Evaluation	Research Journal, Jaipur ISSN No. – 0975-3486	2010
4	Gujarat Manovignan Darshn	Philosophy of Religion ; Vaidic and Vedantic tradition	Journal of Psychology for Learning and Research, A'bad ISSN No. – 2229-347	2010
5	Gujarat Manovignan Darshan	'Science – Attitude and Science-Interest of Standard IX Students'	Journal of Psychology for Learning and Research, A'bad ISSN No. -2229-3477	2010
6	Research Journal of Indian Cultural, Social & Educational Stream	Qualitative Research : Policy Making in Teacher Education	Journal of the Akhil Bhartiya Bhasha Evam Sahitya Anushilan Samiti, Varanasi ISSN No. – 0976-9358	2011

**Publications Appendix (6)****Name: Dr L.G. Malav****RESEARCH PUBLICATIONS :****Journals :**

- 1 **A Study of Adjustment of Secondary School Students in Relation to Certain Variables**, a research paper published in Gujarat Journal of Psychology, Vol. No. 22-23, April-Sept., 2007.
- 2 **A Study of the Field of Vocational Interest of Higher Secondary School Students in Relation to Some Variables**, A research paper published in Gujarat Journal of Psychology, Vol. No. 24, Oct.-Dec.-2007.
- 3 **A Study of the Language Proficiency in Gujarati of the Students of Std. IX in Relation to Some Variables**, a research paper published in Modern Educational Research in India, Vol.2, No.I, January-March, 2008.
- 4 **A Study of Social Values of Student-Teachers in Context to Certain Variables**, a research paper published in Gujarat Journal of Psychology, Vol. 25, January-March, 2008.
- 5 **A Study of the Results of HSC Board Examination of Visually Impaired and Crippled Students of Ahmedabad City**, A research paper published in Gujarat Journal of Psychology, Vol. No. 25, January-March-2008.

- 6 **A Study of Personality Traits of The Student Teachers in Relation to Self Concept**, a research paper published in Gujarat Journal of Psychology, Vol. 26-27, April-September, 2008.
- 7 **A Study of the Multigrade Teaching Training of Education for Sustainable Development**, a research paper published in the CTE National Journal, Volume VI, No.2, July-December, 2008.
- 8 **An Investigation into the Proficiency in the Subject of Gujarati of the Std. IXth Students**, a research paper published in the Gujarat Journal of Psychology & Education, Vol.3, July-September-2009.
- 9 **Achievement the Goal of Education Through Classroom Management**, a research paper published in Aishwarya Research Communication Vol.1, August, 2009.
- 10 **Content Analysis**, a research paper published in Data Analysis in Qualitative and Quantitative Research, March 2010.
- 11 **A Study of Educational Problems of the Tribal Children of Gujarat State**, a research published in the Journal of Modern Educational Research in India, Vol.8, No. 1, March 2010.
- 12 **Developing Plans Programmes and Activities for value-orientation of school Education**, A research paper published in the Book of The Education of values & Ethics for Prospective school Teachers.
- 13 **Perception of Tribal parents towards their Children's Education Problems**, A research paper published in International Journal of Education for Human Services, Vol.1, June, 2010.
- 14 **Reflective Thinking Level of School Teachers in Relation to their Educational Awareness, Experience, Category, Sexual Subject Teachers**, A research paper published in International Journal of Education for Human Services, Vol.2, No.1, December, 2011, ISSN 0976-1128.
- 15 **Effect of Socio-Economical Differences in Education for Tribal area**, A research paper published in the Journal of Psychology for Learning & Research, Vol.4, Issue No. 4-2010, ISSN 2229-3477.
- 16 **A Study of the Anxiety level of the students of standard Ninth of Lunawarda Taluka**, A research paper published in the Journal of Teacher Education Behavioural Science, Year 02, Vol.-3, April-2011, ISSN 0976-1535.
- 17 **A Study of Spiritual Awareness of M.Ed. Students**, A research paper published in the International Journal of Education for Human Services, Vol.2, No. 1, December, 2011, ISSN 0976-1128
- 18 **Creativity fostering Awareness of Secondary School Teachers**, A research paper published in the Journal of Psychology and Education, Vol. 6, March 2012, ISSN - 2229-347
- 19 **A Study of Co-scholastic activities of the Secondary schools Students of Visnagar Taluka**: A research paper published in Modern Educational Research in India(MERI), Vol-17(2), pg no. 42-44, June-2012.
- 20 **Emotional Intelligence of Standard Twelfth Students**: A research paper Published in in Voice of Research an international journal, Vol-1(2), pg no. 24-25, ISSN 2277-7733, Sept-2012.



- 21 **Effectiveness of Power point presentation in metrical teaching:** A research paper Published in Research Analysis and Evaluation journal, Vol-4(38), pg no. 3-4,ISSN -0975-3486, Nov-2012
- 22 **Reasons of Decline Learning Interest In Mathematics of the Tribal Students of Standard Ninth:** A research paper published in Journal of Psychology for Learning and Education, Vol-9(13), pg no. 64-68, ISSN-2229-3477, Dec-2012
- 23 **A Study of Impact In-service Teacher training on classroom performance:** A research paper Published in GKC, Jodhpur
- 24 **Achievement Motivation Academic Performance of Secondary School Students :** A research paper published in Journal of Psychology for Learning And Research, Vol-12 issue no.16, pg no.14-17, ISSN-222-3477, Sept - 2013
- 25 **A Study of Impact In-service teacher training on classroom transaction :** A research paper published in The CTE National journal, Vol-XI No.1, pg no.72-74, ISSN-0973-4457, June-2013
- 26 **Impact of Yogic practices on Educational performance and Creative thinking of standard IX students:** A research paper published in International journal of Business, Management & Social Sciences, Vol-3, page no. 68-71, Issue 3(I), ISSN-2249-7463, Nov-2013.
- 27 **Perception towards in-service training of primary school teachers :** A research paper published in International Journal of Multidisciplinary Research, Vol-2, page no. 58-61, Issue no 9(I), ISSN-2277-9302, Dec-2013.
- 28 **Effect of Multimedia Package on Poetry teaching of Gujarati subject,** A research paper published in International Journal of Multimedia Research, Vol-2, page no. 50-53, Vol-2, Issue 10(II), ISSN-2277-9302, January-2014.

**BOOKS PUBLISHED :**

<b>Sr. No.</b>	<b>Name of the Book</b>	<b>ISBN No.</b>	<b>Authors</b>
1.	Guidance and Counselling (Part-I), Page no. 1-88	978-81-926052-1-0	Dr. L. G. Malav
2.	Guidance and Counselling (Part-II), Page no. 1-120	978-81-926052-2-7	Dr. L. G. Malav
3.	Teacher Education	978-81-926052-3-4	Dr. L. G. Malav

## 12. Department of Philosophy

1. Name of the Department : **Philosophy**
2. Year of establishment : **1957**
3. Is the Department part of a School/Faculty of the university? **School of Psychology, Philosophy & Education, Gujarat University**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **PG, M.Phil., Ph.D.**
5. Interdisciplinary Programmes and departments involved : **No**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons : **No**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
**From 2007 to 2009 : (Annual System) From 2010 to 2014 : (Semester - CBCS)**
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) \*

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (Including CAS &amp; MPS)</b>
Professor	1	-	
Associate Professors	2	-	
Asst. Professors	1	1	1 (From 2005 to till today)
Others			

\* Up till 2011 there was one Associate Professor (CAS) and 1 professor (CAS) After the retirement of Dr. Y.S. Shastri there is only 1 faculty as a Associate Professor (CAS) in the department.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof. Y.S. Shastri Till June 2011	Ph.D.	Professor	Indian Philosophy	22	Ph.D. 7
Dr. Dilip Charan	Ph.D.	Associate Professor	Philo. of social Science, etc.	19	Ph.D. 4 M.Phil- 12

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

Year	Name of Visiting Faculty
2007 - 08	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil, Prof. Prashantbhai Dave for M.Phil.
2008 - 09	Dr. Dyutiben Yajnik, Dr. Shraddhaben Raghuvanshi
2009 - 10	Dr. Dharmishtha Gohil, Dr. Dyutiben Yajnik
2010 - 11	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil
2011 - 12	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil
2012 - 13	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil <b>ICPR Fellow</b> Mr. Apurva Tripathi, Ms. Geeta Pal
2013 - 14	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil, Dr. A.L. Garala, <b>ICPR Fellow</b> Mr. Apurva Tripathi, Ms. Geeta Pal

13. Percentage of classes taken by temporary faculty – Programme-wise information

Year	Name of Visiting Faculty	Percentage
2007 - 08	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil, Prof. Prashantbhai Dave for M.Phil.	10%
2008 - 09	Dr. Dyutiben Yajnik, Dr. Shraddhaben Raghuvanshi	10%
2009 - 10	Dr. Dharmishtha Gohil, Dr. Dyutiben Yajnik	10%
2010 - 11	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil	10%
2011 - 12	Dr. Dyutiben Yajnik, Dr. Dharmishtha Gohil	10%
2012 - 13	Mr. Apurva Tripathi, Ms. Geeta Pal	8%
2013 - 14	Dr. A.L. Garala <b>ICPR Fellow</b> Mr. Apurva Tripathi, Ms. Geeta Pal	8% 8%

14. Programme-wise Student Teacher Ratio

Year	M.A. Ratio Student – Teacher	M.Phil Ratio Student - Teacher
2007 - 08	12.5 : 1	4 : 1
2008 - 09	11.5 : 1	4 : 1
2009 - 10	20 : 1	4 : 1
2010 - 11	17.5 : 1	1 : 1
2011 - 12	26 : 1	Nil
2012 - 13	26 : 1	5 : 1
2013 - 14	22 : 1	6 : 1

15. Number of academic support staff (technical) and administrative staff : sanctioned, filled and actual- **No Technical Staff One Clerk for two department – Psychology & Philosophy**

16. Research thrust areas as recognized by major funding agencies- **Nil**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **Nil**

18. Inter-institutional collaborative projects and associated grants received - **Nil**  
a) National collaboration b) International collaboration

19. Departmental projects funded by DST - FIST; UGC - SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**

20. Research facility / centre with - **Nil**

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies - **Nil**

22. Publications :

- \* Number of papers published in peer reviewed journals (national /international) : **7**
- \* Monographs : **Nil**
- \* Chapters in Books : **6**
- \* Edited Books : **4**
- \* Books with ISBN with details of publishers : **3**
- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- \* Citation Index – range / average : Nil
  - \* SNIP : Nil
  - \* SJR : Nil
  - \* Impact Factor – range / average : Nil
  - \* h-index : Nil
23. Details of patents and income generated **Nil**
24. Areas of consultancy and income generated **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad Prof. Y.S. Shastri : Invited as International Scholar to Teach Indian Philosophy, Religion and Sanskrit, by Loyola Marymount University, Los Angeles, USA, Summers 1993, 1994, 2001, 2004, 2006 and 2007.
26. Faculty serving in  
a) National committees b) International committees c) Editorial Boards d) any other (please specify)  
A. National committee : 2  
C. Editorial Board : 1  
D. Any Other : 7
27. Faculty recharging strategies (UGC, ASC, Refresher/orientation Programmes, workshops, training Programmes and similar Programmes).
28. Student projects  
\* percentage of students who have done in-house projects including inter departmental projects : M.A. - 27 & M.Phil - 36  
\* percentage of students doing projects in collaboration with other universities / industry / institute
29. Awards / recognitions received at the national and international level by  
• Faculty : **Prof. Y.S. Shahstri : 15, Dr. Dilip Charan : 14**  
• Doctoral / Post-Doctoral fellows  
• Students : 4
30. Seminars/Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any. : 10
31. Code of ethics for research followed by the departments : As per Gujarat University State Government and UGC norms, Plagiarism in the research is strictly avoided.

32. Student profile Programme-wise :

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>M.A.</b>					
2007 to 2014		32	72	100%	100%
<b>M.Phil.</b>					
2007 to 2014		14	22	100%	100%

33. Diversity of students

Name of the Programme refer to question no.4)	% of students from the same university	% of students from the other universities within the state	% of students from universities outside the state	% of students from other countries
<b>M.A.</b>				
2007 to 2014	100%			
<b>M.Phil.</b>				
2007 to 2014	100%	35%		

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

**NET - 1 Student Clear**

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil	➤ 50%
PG to Ph.D.	➤ 25%
Ph.D. to Post-Doctoral	
Employed Campus selection Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

<b>Percentage of Faculty who are graduates</b>	
of the same university	1
from other universities within the state	
from universities from other states from	1
universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **Nil**

38. Present details of departmental infrastructural facilities with regard to

- a) Library : 1 common library for 3 department
- b) Internet facilities for staff and students - Yes
- c) Total number of class rooms - 2
- d) Class rooms with ICT facility - Nil
- e) Students' laboratories - Nil
- f) Research laboratories - Nil

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : List of Doctoral Students : 16  
Post Doctoral students : 1, Research Associates : 2
- b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. **NIL**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from **Yes**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- c. alumni and employers on the Programmes offered and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10)
1. Dr. S.S. Sharma – Head, Dept. of Philosophy, Saurashtra Uni., Rajkot.
  2. Dr. D. J. Yajnik - Head, Dept. of Philosophy, Govt. Arts College, Surandranagar.
  3. Dr. D.H. Gohil - Head, Dept. of Philosophy, H.K. Arts College, Ahmedabad.
  4. Dr. Urmila Bhalsod – Asst. Prof., Gujarat Govt. Arts College, Ahmedabad.
  5. Dr. Hemant Shah – Prin. Prakash Higher Secondary School, Ahmedabad.
  6. Dr. Pravin Rathod – Doordarshan, Ahmedabad.
  7. Dr. Shraddha Raghuvanshi – Lakulish Int. Yog Uni, Ahmedabad .
  8. Dr. Imtaz Malek – Asst. Commissioner, Income Tax.
  9. Prof. Prashant Dave – Prof. of Philosophy (Retd.),
  10. Mr. Apurva Tripathi – ICPR Fellow
  11. Ms. Geeta Pal – ICPR Fellow
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. : 4
45. List the teaching methods adopted by the faculty for different Programmes.  
Lecture, Seminar, Project, Presentation, Book Review, Group Discussion, Quiz, Paper wise List of Basic Books, Reference Book, Articles, Online Resources as an Additional Resource
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? : **Through Result of Examination**
47. Highlight the participation of students and faculty in extension activities.  
**Participation in Youth Festival, Udan-2011**
48. Give details of “beyond syllabus scholarly activities” of the department.  
**Paper Presentation on National Conference**  
**Educational Tour Arrange by Department**  
Every year students of the department participate in the national conference of Akhil Bhartiya Darshan Parishad. They do present their research paper. : No. of presentations 21
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. - **Nil**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
**Publication of Department**
- “**World of philosophy : A Harmony**” [Acharya Prof. Dr.Yajneshwar Shastri felicitation Volume] Book Edited by Dr. Christopher Key Chapple and Dr. Intaj Malek,Dr.Dilip Charan,Dr.Sunsnda Shastri, Dr.Prashant Dave, published by Shanti Prakashan Rohtak year-2011 **ISBN 978-93-81090-00-8**



- “Abstract of Papers: Two - Days International Seminar on Globalization, Values and World Peace” organized by Department Of Philosophy, Guj. University. Ahmedabad. 7 & 8 January. 2011.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths :**

- Departmental and Individual Faculty Publications.
- Students in participation in National Level Seminar & Conference
- Students Participation in Teaching – M.A. & M.Phil.
- National & International Recognition.
- Successfully organized Three International Conference / Seminar.

**Weaknesses :**

- Shortage of Faculty.
- Shortage of Administrative Staff.
- Shortage of Infrastructure.
- No Separate Library and Space in the Department, however a Central Library for School is located in the same building.

**Opportunity :**

- Students of the department are getting the opportunities to go for B.Ed., G.P.S.C., U.P.S.C., Lecturer Ship, ICPR Scholarship after completion of their PG Degree.

**Challenges :**

- Low number of students joining the M.A. Philosophy Programme, is the major challenge. Department is required to work for the encouragement of B. A. Philosophy students of the university as well as from other universities to join the PG Programme.

52. Future plans of the department.

Department is planning to make a special centre for study and research in the area of Philosophy in Gujarat to ensure the philosophical insight of Gujarati thinkers from Narsinh Mehta to Dr. N.J. Shah.

### 13. Department of Psychology

1. Name of the Department : Department of Psychology, Gujarat University.
2. Year of establishment : 1957
3. Is the Department part of a School/Faculty of the university? Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : PG, M.Phil. ,Ph.D., P.G. D.C.P.
5. Interdisciplinary Programmes and departments involved : N.A.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons : N.A.
8. Examination System : Annual/Semester/Trimester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1		
Associate Professors	2	2	CAS
Asst. Professors	3		
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. A.B. Jansari	M.A., Ph.D.	Head, Asso. Prof.	Clinical Psy.	32	M.Phil. 10 Ph.D. 4
Dr.K. Mathur	M.A., Ph.D.	Asso. Prof.	Clinical Health Psy.	20	M.Phil. 13 Ph.D. 3

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :  
1. Prof C.B. Dave 2. Prof. V.B. Nayak
13. Percentage of classes taken by temporary faculty – Programme-wise Information  
M.A., M.Phil, Ph.D., P.G. D.C.P. : M.A. -12% , M.Phil. 50% , P.G.DCP-70%
14. Programme-wise Student Teacher Ratio  
M.A., M.Phil., Ph.D. : M.A.- 70:1, M.Phi. 4:1, DCP- 5:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual. : Sectioned post : 06 Filled post : 01
16. Research thrust areas as recognized by major funding agencies : NIL
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : NIL
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration b) International collaboration : None
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : None
20. Research facility / centre with : None
- state recognition
  - national recognition
  - international recognition
21. Special research laboratories sponsored by / created by industry or corporate

bodies : None

22. Publications :

- \* Number of papers published in peer reviewed journals (national /international) : 25 + 10 Journal Articles
- \* Monographs
- \* Chapters in Books : 10
- \* Edited Books : 5
- \* Books with ISBN with details of publishers
- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International SocialScience Directory, EBSCO host, etc.)
- \* Citation Index – range / average
- \* SNIP
- \* SJR
- \* Impact Factor – range/average
- \* h-Index

23. Details of patents and income generated : None

24. Areas of consultancy and income generated : None

25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad : None

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify) : Editorial Boards – Research Ajtak : Dr. A.B. Jansari

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes) : None

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : None
- percentage of students doing projects in collaboration with other universities/industry/institute : None

29. Awards / recognitions received at the national and international level by

- Faculty : 2
- Doctoral / post doctoral fellows : None
- Students : None

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. : 8

31. Code of ethics for research followed by the departments : N.A.

32. Student profile Programme-wise :

Name of the Programme (refer to questionno. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	250	15	55	100	100
M.Phil.	70	4	11	100	100
DCP	50	5	25	100	100

33. Diversity of students

Name of the Programme (refer to Question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	80%	15%	5%	--
M.Phil.	80%	15%	5%	--
Ph.D.	90%	10%	--	--
PG DCP	60%	40%	--	--

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Net : 2 , SET-2

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	
P.G. to M.Phil	70%
P.G. to Ph. D.	80%
Ph. D to Post-Doctoral	---
Employed	N.A.
• Campus Selection	
• Other than campus recruitment	
Entrepreneurs	N.A.

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	100%
From other universities within the State	N.A.
From universities from other States	N.A.
From universities outside the country	N.A.

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : None

38. Present details of departmental infrastructural facilities with regard to

- Library : √
- Internet facilities for staff and students : 2
- Total number of class rooms : 2
- Class rooms with ICT facility : 1
- Students' laboratories : 1
- Research laboratories : **None**

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university : None
- from other institutions/universities : None

40. Number of post graduate students getting financial assistance from the university. None

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : None

42. Does the department obtain feedback from

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ? Yes : Including in syllabus and assignment and exam.
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes. Field visit, Group discussion
- alumni and employers on the Programmes offered and how does the department utilize the feedback? Yes : Educational tour, Role play, Placement

43. List the distinguished alumni of the department (maximum 10)

1. Dr. B.H. Joshi ,Registrar , G.L.S. , Ahmedabad.
2. DR. K. Banaji , Head, St. Xavier's College, Ahmedabad.
3. Dr. Savita Vaghela, Head, Psychology Department Bhavnagar University.
4. Dr. SB.Rai, Head, Psychology Department S.V. Arts College, Ahmedabad.
5. Manual Athle, Clinical Psychologists mental Hospital, Vadodara.
6. Darshana Patel, Clinical Psychologist, Mental Hospital, Ahmedabad.

7. Dr. Neeraj , Senior Clinical Psychologist , Jalgaon , Maharastra.
8. Prof. Swetang Trivedi Head and NCC officer , Mejoor, H.K. Arts College, Ahmeddabad.
9. Nayan Chaudhari, Carrrier Counlelor , Ma Fondation Vapi.
10. Dr. Chandrakant Parmar , Clinical Psychologist Dava and Duva Project At Mahesana.

44. Give details of student enrichment Programmes (special lectures/workshops/seminar) involving external experts. : Lectures of Psychiatrist , counsellor etc.
45. List the teaching methods adopted by the faculty for different Programmes. Lecture, seminar, workshop, group discussion, field visit, Role play, Exhibition
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? : Feed back from the student and participation ratio.
47. Highlight the participation of students and faculty in extension activities. : Education tour , Visit of various originations, participations in seminar and conference , presentation of paper,
48. Give details of “beyond syllabus scholarly activities” of the department.

No	Year	
1	2009	Visit of School at Mentaly Retaraded Bal, Sarkshan Gruh , Deaddiction center
2	2010	Work shop on Relationship between clinical Psychology and Psychiatry ( Roll Play)
3	2010	Placement – Akhand Jyot- Ahmedabad
4	2010	Dav- Duva Project visit Exhibition
5	2011	Poster on Mental Health Awareness and Prevention of Suicide
6	2011	Hypnotism - Demonstration cumlecture
7	2012	Distribution of Article on ‘ Psychological support during exam’
8	2012	Visit of Mentally challenge School at Limbdi , Dis - Surendranagar
9	2012	‘Anger Management’ Training Programme .
10	2013	Exhibition on Prevention of Mental Disorder and women . empowerment
11	2013	Training Programme on ‘ Research paper – Field work and Reporting ’
12	2014	Training Programme on ‘ Counselig for woman Three months training at Jyotisangh , Ahmedabad.

49. State whether the Programme/ department is accredited/ graded by other

agencies? If yes, give details. N.A.

50. Briefly highlight the contributions of the department in generating newknowledge, basic or applied.

Developed and revised Psychological test which are useful in counselling guidance and research :

1. Vocational Interest Inventory
2. Achievement Motivation inventory
3. Family Adjustment Inventory
4. Social Adjustment Inventory
5. Introvert Extrovert personality Inventory
6. Student problem Inventory
7. Self concept Questionnaire
8. Mental Health Questionnaire
9. Exam Anxiety scale

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department.

\* **Strengths :**

1. Faculty associated with various Organization
2. Research work in Educational Psychology and Health psychology
3. To motive students attend and present paper in conference etc.
4. Organized various workshop , seminar and conference
5. Field visit and placement in various organization

\* **Weaknesses :**

1. Shortage of Faculty
2. Shortage of administrative staff
3. poor mentence of Laboratory
4. Requirement of more class room
5. Required girls room

\* **Opportunities :**

1. Job opportunity in Educational field – clinical psychology in mental hospital
2. Working NGOS as a counsellor or clinical psychology
3. Research institute as a researcher
4. School counsellor in various schools
5. worked as a clinical psychologist in mental hospital

\* **Challenges :**

1. Updating syllabus
2. More freedom for updating syllabus
3. Applied aspects is include in Teaching
4. Les job opportunity due to syllabus
5. Competition with self finance institutes

52. Future plans of the department.

1. Establish career counselling centre
2. Provide Counselling for behaviral problem of students



3 Community mental health centre

### 14. Department of Botany

1. **Name of the Department:** Department of Botany
2. **Year of establishment :** 1959
3. **Is the Department part of School/ Faculty of the University?** YES  
University School of Sciences, Faculty of Science, Gujarat University, Ahmedabad.
4. **Name of Programmes offered :** 1. M.Sc. Botany, 2. M.Phil., 3. Ph.D. Botany, 4. PG Diploma, M.Sc. Bioinformatics, M.Sc. Climate Change and its Impacts Management
5. **Interdisciplinary Programme and Departments involved :**  
Coordinated Programme: M.Sc. Botany/M.Phil./Dissertation/Projects  
Departments Involved : Bioinformatics, Climate Change Impacts Management, Life Sciences, Environmental Sciences, Biochemistry, Forensic Sciences, Applied Botany Centre
6. **Courses in Collaboration with other university/Institution?** None
7. **Details of Programmes discontinued, if any, with reasons.**  
1. PG Diploma in Bioinformatics upgraded to M.Sc. Botany degree.
8. **Examination System:** Semester
9. **Participation of the department in the courses offered by other departments:**  
Department Faculty members are part of Coordination/Teaching/Research and developmental activities with other departments in the campus like Life Science, Environment Science, Forensic Science, Biochemistry, Bioinformatics, Climate Change Impacts Management departments
10. **Number of teaching posts sanctioned, filled and actual**

<b>Designation</b>	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	01	-	-
Associate Professor	03	-	03
Asst. Professors	03	03	-
Others	02	02	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of Years Of Experience	No. of Ph.D. Botany / M.Phil. Botany students guided for the last 4 years
Dr.A.U. Mankad	M.Sc., B.Ed., Ph.D.	Asso. Prof. & Head	Horticulture etc...	23	16 M.Phil. 03 Ph.D.
Dr.H.A. Solanki	M.Sc., B.Ed. M.Phil Ph.D.	Asso. Prof.	Environmental Biology etc...	21	16 M.Phil. 03 Ph.D.
Dr.H.A. Pandya	M.Sc., Ph.D.	Asso. Prof.	Plant Physiology etc...	19	16 M.Phil. 02 Ph.D.

12. List of Senior Visiting Fellow, Adjunct Faculty, Emeritus Professor: N. A.
13. Percentage of classes taken by temporary faculty  
 M.Sc. Botany/Bioinformatics : 30% - Visiting faculty and Teaching Assistant, 70% - In house Faculty  
 M.Sc. Botany Climate Change Impacts Management : 25% - Visiting faculty and Teaching Assistant, 75% - In house Faculty,
14. Programme wise Student Teacher Ratio : 10:3 for Botany, 10:3 for Climate Change Impacts Management, 10:3 for Bioinformatics
15. No. of academic support staff (Technical) and Administrative Staff:

	Sanctioned	Filled	Actual
Herbarium Assistant	01	01	01
Plant Collector	01	01	01
Laboratory Assistant	01	-	-
Store keeper	01	-	-
Mali	08	02	02
Junior Clerk	01	01	01
Peon	02	01	01

16. **Research thrust areas as recognized by major funding agencies** :Biodiversity, Forestry, Plant Physiology, Plant Taxonomy, Ecology, Phycology, Plant Biotechnology, Plant Tissue Culture, Phytoremediation, Carbon Sequestration and other Climate Change related areas and Bioinformatics.
17. **Number of faculty with ongoing projects:**

**Dr. Archana U. Mankad, Associate Professor, Major Research Projects : 02** Principal Investigator

- 1) Physiological aspects of Senescence and Post-harvest Shelf life of cut flowers. by UGC-Final report submitted in May 2014 (Rs.3,88,000/-)
- 2) Exploring hyperspectral data use for studying crop residue signature vis-a-vis biochemical parameter estimation in collaboration with ISRO-SAC since August 2012(Rs.4,10,000/-)

Mentor

- 3) Evaluation of *Tagetes erecta* L. as a phytoremediant for the soils contaminated with cadmium (Cd), lead (Pb) and nickel (Ni) funded by Department of Science and Technology (DST), New Delhi since June 2014 (Rs. 14,74,000/-)

**Dr. Hitesh A. Solanki, Associate Professor, Major Research Projects: 03**

- (1) *Measurement of inherent optical properties of sea water & development of satellite based inversion algorithm*” (2011 – 2012) SAC-ISRO, Ahmedabad. Project: MOP2 Biological Oceanography Marine & Planetary Sciences Group Earth Ocean Atmosphere and Planetary Sciences. Applications Area Space Applications Centre (ISRO), Ahmedabad-380015 (Rs. 46,16,000) SAC-ISRO, Ahmedabad. (Rs. 15,00,000)
- (2) *Modeling bio-geochemical cycles in the coastal oceans*Project: MOP3 Biological Oceanography Marine & Planetary Sciences Group Earth Ocean Atmosphere and Planetary Sciences. Applications Area Space Applications Centre (ISRO), Ahmedabad-380015 (Rs. 46,16,000) SAC-ISRO, Ahmedabad
- (3) *Bio-Optical Algorithms for Measurement of Coloured Dissolved Organic Matter (CDOM) in Coastal Waters* Project: MOP3 Biological Oceanography Marine & Planetary Sciences Group Earth Ocean Atmosphere and Planetary Sciences Applications Area Space Applications Centre (ISRO), Ahmedabad-380015 (Rs. 26,70,000) SAC-ISRO, Ahmedabad

**Dr. Himanshu A. Pandya; Associate Professor, Major Research Projects : 05** Principal Investigator

- (1) Facilitation through hydrological coastal habitat modifications in gulf of Khambhat (Cambay): An exhaustive inventory for native plant diversity and soil dynamics (Ministry of Earth Science (MoES), Government of India, New Delhi-110003) (Rs.15,98,300/-)

- (2) Field Survey for Soil quality and conservation in Forest and selected associated villages of Narmada district. Project sanctioned, Forest Department, Government of Gujarat, Gandhinagar, India. (Rs.10,04,950/-)
- (3) Field Survey for Soil quality and conservation in Forest and selected associated villages of Sabarkantha district. Project sanctioned, Forest Department, Government of Gujarat, Gandhinagar, India. **(Rs.10,04,950/-)**
- (4) Chlorophyll pattern in the Indian Ocean, relationship with climate variability & impact on CO<sub>2</sub> flux SAC-ISRO, Ahmedabad Project: MOP3 Biological Oceanography Marine & Planetary Sciences Group Earth Ocean Atmosphere and Planetary Sciences Applications Area Space Applications Centre (ISRO), Ahmedabad-380015 **(Rs. 25,00,2,000)**

**Mentor**

- 5). Evaluation of Toxic potential of bisphenol a and its possible mitigation by quercetin: an *in vitro* study funded by Department of Science and Technology (DST), New Delhi, **(Rs. 23,10,000)**

18. Inter-institutional collaborative projects and associated grants received

Agency	Fund Allocated (Lakhs)
SAC-ISRO	(HAP) 25.02 + (AUM) 4.10 + (HAS) 87.86 = 179.82
Forest Department	32.54

19. Departmental Projects funded by

a) Departmental Grant :

1. Department of Science and Technology, New Delhi (DST-FIST) : 21.00 Lakhs
2. of Biotechnology (DBT), New Delhi, National Symposium:01.50 Lakhs

b) Individual Projects Grant:

Name of the Faculty	Ongoing Project	National / International	Agency / Grant received
Dr. A. U. Mankad	01	National	SAC-ISRO, Ahmedabad
Dr. H. A. Solanki	01	National	SAC-ISRO, Ahmedabad
Dr. H. A. Pandya	01	National	Ministry of Earth Science, New Delhi
	02	National	Forest Department, Gandhinagar
	01	National	SAC-ISRO, Ahmedabad

20. **Research Facility/Center with**  
 ➤ State Recognition  
 ➤ National recognition  
 ➤ International recognition
21. **Special Research Laboratories sponsored by/created by industry** : None
22. **Publications:** (2007 onwards)

**Dr. Archana U. Mankad, Associate Professor (2007 onwards) :**

International : 18 National : 12

- \* Monographs : NIL
- \* Chapters in Books : 5
- \* Edited Books : NIL
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Not Applicable
- \* Citation Index - range / average Hitesh Solanki

<b>Citation indices</b>	<b>All</b>	<b>Since 2009</b>
<a href="#">Citations</a>	103	67
<a href="#">h-index</a>	6	4
<a href="#">i10-index</a>	1	1

**Dr. Himanshu A. Pandya; Associate Professor (2007 onwards) : 37**

23. **Details of Patent and income generated** :NIL
24. **Areas of Consultancy and Income Generated** :NIL
25. **Faculty selected for nationally / internationally to visit laboratories / Institutions / industries :**  
 Dr. Himanshu A. Pandya visited University of Texas Medical Branch (UTMB) for Isolation and Establishment of Cell Line Cultures, University of Texas, Galveston, U. S. A., December-2011.
26. **Faculty serving in National Committees / International Committees / Editorial Boards / any other**

**a) National Committees :**

- 1) **Dr. Archana U. Mankad**, Head Department of Botany; Cordinator Applied Botany Centre; Member Secretary-WDC, Gujarat University, Ahmedabad , Gujarat.
1. Chairman, Board of Studies, Botany board, Gujarat University, Ahmedabad

2. F.B.S - Fellow of Indian Botanical Society” for contribution for Plant Physiology - 2008.
3. Chief coordinator for Minaxi Lalit Science Award Test: Gujarat Science Academy, Ahmedabad
4. Associate fellow of the Gujarat Science Academy, Ahmedabad.
5. Resource person for Minaxi Lalit Science Award Test: Gujarat Science Academy, Ahmedabad since-2006.
6. Patron, Gujarat University Botanical Society
7. Subject expert member for RDC at Bhavnagar University
8. Articles for Vishwakosh, Navneet Samarpan, Janambhoomi, Radio and TV Programmes, Doordarshan, Ahmedabad, India
9. External Referee for Ph. D degree:
  1. Hemchandracharya North Gujarat University, Patan, India
  2. Veer Narmad South Gujarat University, Surat, India
  3. Jaunpur University-Uttar Pradesh, India
  4. Meerut University, Uttar Pradesh, India
10. Member : Botany Department Counseling Cell (BDCC) for students
11. Reviewer : Prajna - Saradar Patel University, Vallabh Vidya Nagar, India
12. Sectional President during Gujarat Science Congress-2010, Ahmedabad.
13. Editor-ANKUR-online newsletter of GUBS

**Life Membership / Membership to botanical and science related societies:**

1. Indian Society for Plant Physiology, New Delhi
2. Indian Botanical Society, Jabalpur
3. International Society of Plant Morphologists, New Delhi
4. Delhi University Botanical Society, New Delhi
5. Indian Society of Ornamental Horticulture, New Delhi
6. Academy of Ayurveda Development and Research, Ahmedabad
7. Horticultural Society of India, New Delhi
8. Indian Planetary Society, Mumbai
9. Rangeland Management Society of India, Jhansi
10. Gujarat University Botanical Society, Ahmedabad.

**2) Dr. Hitesh A. Solanki :**

1. Applied Botany Centre (ABC), Department of Botany, Gujarat University, Ahmedabad-380 009.
2. Management Education Centre on Climate Change (MEC-CC), Gujarat University, Ahmedabad-380 009.
3. Gujarat University Botanical Society (GUBS), Gujarat University, Ahmedabad
4. We 4 Nature, A Working Group for entrepreneurs, Ahmedabad-380 009.
5. GUJCOST IPR Cell, Gujarat University, Department of Botany, USSC, Gujarat University, Ahmedabad – 380009.
6. Fellow, Society of Earth Sciences
7. Fellow member and Editorial Board Member in Life sciences leaflets

- 8 Board of Studies, Botany Board, Hemchandracharya North Gujarat University, Patan
9. Life Member Indian Science Congress Association
10. Life member Society of Indian Remote Sensing
11. Medicinal and Aromatic Plants Association of India, Boriavi, India
12. Local Inquiry Committee (LIC), Gujarat University for academic institutes, colleges affiliated to Gujarat University, Ahmedabad
13. Journal of Advances in Biological Sciences
14. Executive Member in Current Bioscience Association
15. Gujarat Ecological Education and Research Foundation.
16. The Plant Physiology Club, Bapatla (APAU).
17. International Journal of Pollution Research.
18. Indian Science News Association, 92, Acharya Prafulla Chandra Road Kolkata, 700 009. India Ph. 350 2224 L.M. – 576
19. Indian Association for Air pollution Control, Vadodara Chapter.
- 20 International Journal of Ecology, Environment and Conservation.

**3) Dr. Himanshu A. Pandya :**

1. Core Committee Member for Internal Quality Assurance Cell (IQAC), Gujarat University, Ahmedabad
2. Applied Botany Centre (ABC), Department of Botany, Gujarat University, Ahmedabad-380 009.
3. Management Education Centre on Climate Change (MEC-CC), Gujarat University, Ahmedabad-380 009.
4. Gujarat University Botanical Society (GUBS), Gujarat University, Ahmedabad
5. We 4 Nature, A Working Group for entrepreneurs, Ahmedabad-380 009.
6. GUJCOST IPR Cell, Gujarat University, Department of Botany, USSC, Gujarat University, Ahmedabad – 380009.
7. Associate Fellow, Gujarat Science Academy (GSA), Ahmedabad
8. Board of Studies, Botany Board, Gujarat University, Ahmedabad
9. Board of Studies, Botany Board, Bhavnagar University, Bhavnagar, India
10. Board of studies, Hemchandracharya North Gujarat University, Patan
11. Indian Society for Plant Physiology (I.S.P.P), New Delhi, India
12. Medicinal and Aromatic Plants Association of India, Boriavi, India
13. Local Inquiry Committee (LIC), Gujarat University for academic institutes, colleges affiliated to Gujarat University, Ahmedabad

**b). International Committees :**

- 1) Dr. Archana U. Mankad : 1) Life member of International society of plantmorphologists.
- 2) Dr. Hitesh A. Solanki : 1) Nominated as Prominent Scientist and Advisory Committee Member In The International Committee on Global Changes of the Geological Environment (IC GCGE) GEOCHANGE Initiative Group. 2) Member in National Geography Reader Panel. 3)

Member of The Science Advisory Board (SAB), 2111 Wilson Boulevard, Suite 250, Arlington, VA 22201, USA, 4) International Society for Research on Civilization Diseases and Environment

3) Dr. Himanshu A. Pandya :1). Member, International Society for Horticultural Science (I.S.H.S), Leuven, Belgium Sections- I.S.H.S:

- Medicinal and Aromatic plants
- Ornamental plants
- Root and Tuber crops Commissions- I.S.H.S:
- Biotechnology Education and Training
- Plant protection Post harvest
- Protected cultivation Urban horticulture
- Tropical and subtropical Horticulture

**c) Editorial Boards :**

1) Dr. Archana U. Mankad:

2) Dr. Hitesh A. Solanki

1. Reviewer in **Resources and Environment Journal – USA.**

2. Reviewer of the **Advances in Life Sciences – USA**

3. Reviewer of the Journal of Toxicology and Environmental Health Sciences.

4. Reviewer of the **International Journal of Ecosystem – USA.**

5. Reviewer of the **International Journal of Plant Research.**

6. Reviewer of the **World A S J**

7. Reviewer in **Advancement in Medicinal Plant Research (AMPR)**, Nigeria, Africa.

8. Executive Member in Current Bioscience Association

9. Editorial Board Member in Life sciences leaflets

10. Reviewer in **African Journal of Agricultural Research (AJAR)**, Academic Journals, Nairobi, Africa. (ISSN: 1991-637X).

11. Reviewer in International Food Research Journal (formerly known as ASEAN Food Journal) Faculty of Food Science and Technology Universiti Putra Malaysia, 43400, UPM Serdang, Selangor, Malaysia

3) Dr. Himanshu A. Pandya

• Springer, Environment, development and sustainability

• World Applied Science Journal (WASJ), ISSN: 1818-4952, Babol, Iran.

• International Journal of Biodiversity Science, Ecosystem Service and Management. ISSN: 2151-3732 (Print) and ISSN: 2151-3740 (online).

• African Journal of Biotechnology, (ISSN: 1684-5315) H5 Index:14 Journal, Nairobi and Lagos. Africa.

• Bangladesh Journal of Botany, ISSN: 0253-5416 (Print) and 2079-9926 (online), Dhaka, Bangladesh.

• Care 4 Nature, ISSN:2249-8184, Pune, India



27. **Faculty Recharging Strategies :**  
Faculty members, research scholars and students are regularly encouraged for Refresher Courses, Orientation Programme, Workshops / Training Courses / Symposiums / Congress / Group Meetings, Field Visits / Excursions / Industrial visits
28. **Student Projects :**  
➤ 40% percentages of students have done in-house projects including interdepartment projects.  
➤ 60% percentage of students doing projects in collaboration with other Universities/industries/research institutes/NGO's/ etc.
29. **Awards / recognition received at the National and International Level by Faculty :** Dr. Archana Mankad and Dr. Himanshu Pandya are awarded Associate Fellow by Gujarat Sciences Academy, Ahmedabad  
Faculty: Dr. Hitesh Solanki awarded fellowship by Society of Earth Sciences and Life sciences leaflets Association  
Dr. Hitesh Solanki Nominated as Prominent Scientist and Advisory Committee Member In The International Committee on Global Changes of the Geological Environment (IC GCGE) GEOCHANGE Initiative Group  
Doctoral/Postdoctoral fellows : NIL  
Students : 1. Ms.Gunjan Awarded POGO scholarship
30. **Seminars/conferences/workshops organized and the source of funding (National/International) with details of outstanding participants**

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Date</b>	<b>Source of funding</b>	<b>No. of participants</b>
1	Workshop on Fruitful Home Gardening	6-2-2007	SBI, IFFCO, Guj. Univ. Botanical Soc.	137
2	Lecture Cum Demonstration Series Programme	11 to 20 Feb.2007	Guj. Univ. Botanical Soc.	145
3	Spring Training Programme on Plant Taxonomy	28 to 30 March 2007		150
4	Science Excellence -2008	5-1-2008	GUJ COST	
5	Seminar on Bioinformatics Leads in Gujarat	15-3-2008		300
6	Seminar on Intellectual property rights awareness 2008	13-12-2008	GUJ COST, Gujarat Univ. Botanical Soc.	248
7	Science Excellence 2009	10-1-2009	GUJ COST	

8	Spring training on Taxonomy of Applications of Grasses	26 to 28 February 2009	Geer Foundation , Guj Univ.	50
9	Seminar on Scouting of Documentation of Traditional Knowledge (SCODO-09)	16-7-2009	National Innovation Foundation, A'bad	157
10	Training on Agriculture Microbial Bioinformatics (AGAMB ) -09	31-8-2009	UGC	57
11	Taxonomy : A classical science with Programmemeing application (TCSPA – 09)	21 to 26 September 2009		70
12	Seminar on Student project convention	3-10-2009	Association of Indian Univ.	370
13	Workshop on Science Perfection	5-12-2009	GUJ COST	430
14	Science Excellence 2010	9-1-2010	GUJ COST, Guj. Univ.	908
15	Scientific Ambience for Vocational Encouragement (SAVE) Lecture Series	21-10-2010		130
16	Healthy Environment for Youth (HEY-10)	27 to 29 October 2010		120
17	Scientific and Educational Tales to Uneath(SETU)	23-10-2010		75
18	Science Excellence 2011	8-1-2011	GUJ COST	1100
19	Taxonomy workshop	8 to 11 February 2011	Guj. Univ.	65
20	Workshop on Reality Talent and Handiwork	23-2-2011	Guj. Univ. Botanical Soc.	45
21	Scientific Ambience for Vocational Encouragement Lecture Series (SAVE lecture series)	24-2-2011	Guj. Univ. Botanical Soc.	76
22	Workshop on Reality Talent and Handiwork	7 to 8 April 2011	Guj. Univ. Botanical Soc.	45
23	Workshop on Intellectual Property Rights Awareness	16-6-2011	Guj. Univ. Botanical Soc.	119
24	Seminar on Census Operation	2-2-2011	Guj. Univ.	

25	Workshop on Taxonomy : A Classical Science of Programmeming Application (TCSPA)	11 to 12 August 2011	Guj. Univ. Botanical Soc.	75
26	National Symposium	13 to 15 October 2011	Guj. Univ. Botanical Soc., UGC, NIF	230
27	Workshop on Entrepreneurship	27-7-2013	Guj. Univ. Botanical Soc.	56
28	Science Excellence 2014	4-1-2014	GUJ COST	1050
29	Workshop on Personality development for success (PDS-2014)	6-1-2014	Guj. Univ. Botanical Soc.	45
30	Seminar: Women Empowerment	8-3-14	Guj. Univ. Botanical Soc.	58
31	Workshop on Financial Planning for young investors	March 2014	Guj. Univ. Botanical Soc.	110
32	Workshop on Interactive Forum called Safety and Security for All (SASA 2014)	April 2014	Guj. Univ. Botanical Soc.	120
33	Workshop on Intellectual Property Rights Awareness (WIPRA-2014)	April 2014	Guj. Univ. Botanical Soc.	147

31. Code of ethics for research followed by the department :

Department of Botany is very well known for excellence in plant sciences research. Besides all the academic achievements, department observes all the norms necessary to take care of the safety as well as personal care assigned and guided by Law. Utmost care is being taken care to avoid any disorders linked to meet the objectives of the funding agencies. Following are certain regular practices;

- There should be laboratories for each discipline (Physiology, anatomy, molecular Biology.....etc.) for the plant sciences research where registered students can work together for their respective assignment rather than any faculty laboratories
- No life should be under trouble at any experimental protocol performed (one can use *In vitro/in silico* models and samples) for experiments
- Biosafety protocol and Environmental care should be a priority
- Coordination between students / faculty / laboratories for scientific understanding and ease of research for appropriate recognition through publication / presentation / participation / collaboration / documentation of inter and intra disciplinary research projects

## 32. Student profile Programme - wise

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Botany 2007 - 08	87	03	27	100%	100%
M.Sc. Botany 2008-09	77	07	19	100%	100%
M.Sc. Botany 2009-10	76	05	25	100%	100%
M.Sc. Botany 2010-11	94	07	19	100%	100%
M.Sc. Botany 2011-12	62	11	19	100%	100%
M.Sc. Botany 2012-13	48	10	20	100%	100%
M.Sc. Botany 2013-14	65	15	15	100%	100%
M.Phil Botany 2007-08	38	03	13	100%	100%
M.Phil Botany 2008-09	20	03	13	100%	100%
M.Phil Botany 2009-10	22	01	11	100%	100%
M.Phil Botany 2010-11	15	02	06	100%	100%
M.Phil Botany 2011-12	01	00	01	100%	100%
M.Phil 2012-13	08	04	04	100%	100%
M.Phil Botany 2013-14	08	03	05	100%	100%
Ph. D. Botany 2007-08	12	03	09	100%	100%
Ph.D. Botany 2008-09	03	01	02	100%	100%
Ph.D. Botany 2009-10	10	04	06	100%	100%
Ph.D. Botany 2010-11	15	01	10	100%	100%
Ph.D. Botany 2011-12	16	01	10	100%	100%
Ph.D. Botany	15	02	02	100%	100%

2012-13					
Ph.D. Botany 2013-14	20	00	07	100%	100%
M. Phil. Climate Change 2012-13	12	02	01	67%	33%
M. Phil. Climate Change 2013-14	08	02	03	40%	60%
Ph. D. Climate Change 2011-12	02	00	02	0%	100%
Ph. D. Climate Change 2012-13	04	00	00	00	00
M. Phil. Bioinformatics 2011-12	05	01	02	33%	67%
M. Phil. Bioinformatics 2012-13	08	00	04	00%	100%
M. Phil. Bioinformatics 2013-14	08	05	02	71%	29%
Ph. D. Bioinformatics 2011-12	02	00	02	0%	100%
Ph. D. Bioinformatics 2012-13	01	01	00	100%	00
Ph. D. Bioinformatics 2013-14	13	00	03	00%	100%

33. Diversity of students :

Name of the Programme	% of students from same University	% of students from universities within the state	% of students from universities outside the state	% of students from other countries
M.Sc. Botany	98%	02		-
M.Phil. Ph.D. Botany	Depends on applications and admission merit. Depends on entrance test conducted and admission merit after group discussion and personal interviews.			

34. How many students have cleared Civil services and Defense Services examinations, NET/SET/GATE and other competitive examinations Category wise details.: None

35. Students progression :

Students progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	12 to 16 successful students are selected through entrance test
PG to Ph.D. Botany	Successful Students in the test are registered as per the available seats with individual Guides through
Ph.D. Botany to Post-Doctoral	-
Employed Other than campus recruitment	70%
Entrepreneurs	30%

36. Diversity of staff :

Percentage of faculty who are graduates	
Of the same university	50% (2)
From other universities within the State	25% (1)
From universities from other States	25% (1)
From University outside the country	--

37. Number of Faculty who are awarded M.Phil./Ph.D. Botany/D.Litt. / D.Sc. and D.Litt during the assessment period.: NIL

38. Present details of departmental infrastructural facilities with regard to

- Library : YES, with more than 600 books related to plant sciences
- Internet facilities for staff and students : YES, 1000 mbps internet broadband facility is provided with LAN capacity
- Total number of class rooms : 04
- Class rooms with ICT facility : 02
- Students laboratories : 02
- Research laboratories : 09

39. List of Doctoral, postdoctoral students and Research Associates

- From the Host institution / University : Ms. Meghal Shah: Research Associate, SAC-ISRO project
- From other institutions / other universities: 1) Dr. Anupa Sing, 2) Dr. Megha Bhatt, 3) Dr. Renu sing, 4) Dr. Minaxi Lochan, 5) Ms. G. Sindhura

40. **Number of Post Graduate students receiving financial assistance from University :** Scholarships are given to meritorious reserved category students.
41. **Was any need assessment exercise undertaken before the development of new Programme? If do highlight the methodology.**  
The advent of technological advancement has resulted in diversification of core branches of science into newer directions. The genomic and proteomic studies emerged as a new thrust area and so a course in Bioinformatics was designed to develop skilled researchers for industry.  
We had introduced the Bioinformatics course at Post Graduate diploma level but then it was realised while interacting with academia and industry that it should be a full-fledged master degree course with research (M.Phil. Botany& Ph.D. Botany) facility so it was redesigned as an
- M Sc course in Bioinformatics.**  
The problems resulting from Climate Change are multidimensional and so need to be approached strategically. The science of Climate Change is abruptly blending with the management of its phenomenal impacts and that became the basis of the M. Sc. course called Climate Change Impacts Management where details of climate science, policy making, law and legislation along with mitigation can be taken care to address the current issues and trends in this most sensitive discipline.
42. **Does the department obtain feedback from:**  
We take regular feedback from students (outgoing and fresh recruited) with the help of Internal Quality Assurance Cell, Gujarat University, Ahmedabad
43. **List of alumni of the department :** 10
44. **Student enrichment Programmes :** 69
45. **List the teaching methods adopted by the faculty for different Programme:**  
Besides the classical chalk-board, field work, PowerPoint and digital technology is used.
46. **How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? :**  
Regular monitoring of academic Performance, Publications, participation in Seminars and Conferences helps evaluate and improve.
47. **Highlight the participation of students and faculty in extraction activities:**  
100% participation.

- 48 Give details of “beyond syllabus scholarly activates” of the Department:  
The Gujarat University Botanical Society provides a platform for beyond the syllabus scholarly activities
- 49 State whether the Programme / department is accredited / graded by other agencies? If yes , give details. :NAAC only
- 50 Briefly highlight the contribution of the department in generating new knowledge, basis or applied: 1. We 4 nature – applied 2. Vertical garden – applied
- 51 **Strength :**
- Unity
  - Harmony
  - Academic excellence
  - Equipments
  - Effective coordination
- Weakness :**
- Lack of regular staff nonteaching, administrative and store
  - Limited rooms and infrastructure
  - No Botanical Garden
  - Requirement of more research labs for all three subjects
  - Class IV staff inadequate
- Opportunities :**
- Development of live conservatory alongwith a museum and e- herbarium
  - Development of state of the art research Labs for Plant tissue Culture, PlantPhysiology, Ecology, Taxonomy, Anatomy and Bioinformatics.
- Challenges :**
- Keeping pace with Teaching and R and D
  - Become a centre of Excellence
  - Get maximum projects
  - Ensure placement of students
  - Excellent applied and basic research
52. **Future plans of the department :**  
Department of Botany has glorious Past and a promising future. We aspire to be the best among other Universities by improving our standards at all levels. Botany can be better learned through field excercises and we desire to develop the best Botanical garden in Ahmedabad which would be the star attraction of Gujarat University. Conservation of selected plants through Seed bank and pollen bank is also proposed. Upgradation of research labs and extension of infrastructure would help in realizing the objectives.



## 15. Department of Chemistry

1. Name of the Department :Chemistry Department
2. Year of establishment :1958
3. Is the Department part of a School/Faculty of the university? Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) PG, M.Phil., Ph.D.
5. Interdisciplinary Programmes and departments involved Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of Programmes discontinued, if any, with reasons Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester-Choice Based Credit System
9. Participation of the department in the courses offered by other departments  
Yes (Department of Environmental Science, Department of Forensic Science and Department of Biomedical Technology)
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filles</b>	<b>Actual (including CAS &amp; MPS)</b>
Professors	7	3	
Associate Professors	6	3	
Asst. Professors	4	1	
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D/M.Phil students guided for the last 4 years
Dr. N.K.Shah	M.Sc., Ph.D	Professor	Analytical	25	3/3
Dr. K.H.Chikhalia	M.Sc., M.Phil, Ph.D	Professor	Organic	28	3/4
Dr. V.K.Jain	M.Sc., Ph.D	Professor	Inorganic	23	4/--
Dr. P.S.Shrivastav	M.Sc., M.Phil, Ph.D	Asso.Prof	Analytical	21	3/4
Dr. M.M.Maisuria	M.Sc., M. Phil., Ph.D	Asso. Prof.	Physical	25	--/1
Dr. H.D.Patel	M.Sc., Ph.D	Asso.Prof	Organic	15	--/7
Dr. H. Kaur	M.Sc., M.Phil, Ph.D	Asst. Prof.	Organic	19	--/4

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty– Programme-wise information
14. Programme-wise Student Teacher Ratio  
M. Sc. – 40:1      M. Phil – 2:1      Ph.D. – 5:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support staff (technical)	5	2	
Administrative staff class III	2	1	
Administrative staff class IV	12	12	

16. Research thrust areas as recognized by major funding agencies  
Supramolecules and Nano Materials

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) National

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. Vinod K. Jain	Novel supramolecular ditopic receptors based on calix[4]pyrrole macrocycles and their derivatives, for ion pair recognition and simultaneous separation and preconcentration of cationic and anionic guests (2009-2012)	Rs 10 Lakhs	UGC, New Delhi
Dr. Vinod K. Jain	Supramolecular Assemblies: Nanomedicine and Nanotechnology Preconcentration, Separation and Recovery of Toxic Trace Metals (2009-2011)	Rs. 3.27 Lakhs	GUJCOST, Gandhinagar
Dr. Vinod K. Jain	Calixarenes and their derivatives as emerging class of receptors for ions/organic analytes in supramolecular chemistry (2008-2011)	Rs 12 Lakhs	CSIR, New Delhi
Dr. Harjinder Kaur	Polymer nanocomposites (2009-2011)	Rs 2 Lakhs	UGC, New Delhi
Dr. Harjinder Kaur	A study on feasibility and sustainability of microwave enhanced sequential and cascade reactions using mono and bimetallic nanoparticles (2013-2016)	Rs 25.9 Lakhs	DST Nanomission

18. Inter-institutional collaborative projects and associated grants received: Nil
- a) National collaboration      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.  
DST-FIST phase I is over. Applied for Phase II  
UGC-SAP Phase I, II is over. Step III is going on.
20. Research facility/centre with
- state recognition -No
  - national recognition -No
  - international recognition -No
21. Special research laboratories sponsored by / created by industry or corporate bodies.
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international): **220**
  - \* Monographs Nil
  - \* Chapters in Books : 2
  - \* Edited Books – Nil
  - \* Books with ISBN with details of publishers : 2
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) – more than 270
  - \* Citation Index – range / average Total citations 2793
  - \* SNIP (Source Normalized Impact Factor): Between 0.5-0.8
  - \* SJR (SCImago Journal Rank): Between 0.5-0.8
  - \* Impact Factor – range/average : **2.01**
  - \* h-index: total 63 average 9
23. Details of patents and income generated
- Novel calix[4]pyrrole octahydrazide, metal nanoparticles derived from it and use of the nanoparticles. Vinod K Jain, Bharat A. Makwana, Disha J. Vyas and Keyur D. Bhatt (**Indian Patent**, E-2503/2013-MUM)
- Water dispersible metal nanoparticles obtained from novel calix[4]resocinarene hydrazides and applications thereof. Vinod K Jain, Bharat A. Makwana, Disha J. Vyas and Keyur D. Bhatt (**Indian Patent**, E-3258/2013-MUM)
24. Areas of consultancy and income generated Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad Nil

26. Faculty serving in

- \* National committees Nil
- \* International committees Nil
- \* Editorial Boards

**Dr. P. S. Shrivastav**

1. Nominated as an Editor for the journal 'Biomedical Spectroscopy and Imaging', IOS Press, Netherlands, 15<sup>th</sup> January 2014.
  2. Selected as an Editor for the journal 'American Journal of Modern Chromatography', Columbia International Publishing, USA, 28<sup>th</sup> May 2013.
  3. Nominated as an Editor for the journal 'Journal of Chemistry', Hindawi Publishing Corporation, New York, USA from 15<sup>th</sup> March 2012.
  4. Nominated as an Editor for the journal 'Chitkara Chemistry Review', Chitkara University, Chandigarh, India, 9th February 2013.
- \* any other (please specify)

**Dr. (Ms) Nisha K. Shah**

1. Nominated by the Vice-Chancellor of Gujarat University as a Chairman and Subject Expert on the Chemistry Board of Studies for a period of three years (2012– 2015).
2. Nominated by The Governor of Gujarat and The Chancellor of Gujarat University on the Gujarat University Court as a member under the provision of the Act as per section 16 (1) Class II (D) (i) (b) (Professors of University Departments) (2012 to 2015).
3. Elected Member of Executive Council of Gujarat University for the period of three years. (2012-2015).
4. Elected as Dean of Science Faculty at Gujarat University for the period of three years. (2013-2016).

**Dr. Kishor H. Chikhalia**

1. Chairman of *Peer-Review Committee* for Academic Accreditation of different colleges in the State of Gujarat, India, July 2013.
2. Member of selection committee in Gujarat Public Service Commission, Odhisa Public Service Commission, 2012-2014.
3. Fellow of 'Gujarat Science of Academy' 2012

**Dr. Vinod K. Jain**

1. Council member of 'Chemistry Research Society of India' (2014-17)

**Dr. Pranav S. Shrivastav**

1. Chairman of *Peer-Review Committee* for Academic Accreditation of different colleges in the State of Gujarat, India, July 2013.

2. Fellow of 'Gujarat Science of Academy' 2012.
  3. Life member of Association of Separation Scientists and Technologists, Mumbai, India (LM-0150).
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
  28. Student projects - Yes
    - percentage of students who have done in-house projects including inter-departmental projects: 75 %
    - percentage of students doing projects in collaboration with other universities/industry / institute: 25 %
  29. Awards / recognitions received at the national and international level by Nil
    - a. Faculty
    - b. Doctoral/post doctoral fellows
    - c. Students
  30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.  
Refresher in Chemistry 2008, 2009, 2011 and 2014 : 5
  31. Code of ethics for research followed by the departments Nil
  32. Student profile Programme-wise :

Name of the Programme (refer question no.4)	Applications Received	Selected		Pass Percentage	
		Male	Female	Male	Female
M. Sc.	Approx.. 600	83	62	98%	98%
M.Phil	31	5	6	100%	100%
Ph.D.	115	20	11	100%	100%

33. Diversity of Students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Sc.	95 %	4%	1%	--
M. Phil.	94 %	6 %	--	--
Ph.D.	90%	10%	--	--

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Civil services – Nil, Defence services- Nil, NET – Nil, SET – 2 students, GATE – Nil

35. Student progression

Students progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	8-10 %
PG to Ph.D.	12-15 %
Ph.D. Botany to Post-Doctoral	1%
Employed	
• Campus selection	15%
• Other than campus recruitment	40%
Entrepreneurs	Pharmaceutical Industry, Fertilizer Companies, Food industries, Research and Analytical Laboratories, Contract Research Organizations.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33 %
From other universities within the State	33%
from universities other States	25 %
from universities outside the country	9%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : None

38. Present details of departmental infrastructural facilities with regard to

- Library -Yes
- Internet facilities for staff and students: Yes, with a facility of 20 computers
- Total number of class rooms - 4
- Class rooms with ICT facility – One in process
- Students' laboratories -4
- Research laboratories -7

39. List of doctoral, post-doctoral students and Research Associates Please refer item no.11
- from the host institution/university
  - from other institutions/universities
40. Number of post graduate students getting financial assistance from the university. Nil
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. N.A.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? The process is being implemented at the time of syllabus revision through the Board of Chemistry.
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Yes. Feedback on the performance and various aspects of teaching-learning-evaluation is taken from the final year students. These matters are also discussed at the faculty meetings organized in the department. Suggestions for incorporation of diverse project work/review of papers, internet facility in the department and other such issues are discussed and suitable actions are taken where ever necessary.
  - Alumni and employers on the Programmes offered and how does the department utilize the feedback?  
Suggestions from alumni and employer are constructively utilized for better education and for continuous improvement of syllabus and academic activities for overall development. More industry oriented topics are included so that students will get more exposure to the current trends in the industry.



43. List the distinguished alumni of the department (maximum 10)  
Dr Hemant Desai  
Dr. Gitesh Shah  
Dr. J.M. Vyas  
Mr. Ashit Vora  
Mr. Rajeev Khandelwal
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.  
Through Annual Seminars/One Day Workshops, Invited Lectures form Different Pharmaceutical Companies and Research Institutes.
45. List the teaching methods adopted by the faculty for different Programmes.  
i. Use of scientific models  
ii. Lectures and seminars through LCD projectors  
iii. Written study materials  
iv. Research papers  
v. e- books
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?  
Rigorous monitoring of the progress of the students is ensured through  
✓ In-house meetings where students and teachers discuss various issues related to the course and its evaluation  
✓ Comprehensive and continuous evaluations are conducted through written tests, assignments, presentations, scientific discussions etc.
47. Highlight the participation of students and faculty in extension activities.  
i. For social cause  
ii. Sports and recreation  
iii. Blood donation camps  
iv. Industrial tours
48. Give details of “beyond syllabus scholarly activities” of the department.  
Preparing students for mock interviews and public speaking.
49. State whether the Programme/department is accredited/graded by other agencies? If yes, give details.  
The department has been recognized as a centre of Excellence in Supramolecules and Nano Materials by Gujarat Council on Science and Technology (GUJCOST), Department of Science and Technology (DST), Gandhinagar (2004-2008), covered under DST-FIST, New Delhi (Level-I completed successfully, 2006-2011), and UGC Special Assistance Programme DRS Level-III (2013-2018).

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Innovative student projects with new ideas as part of curriculum
  - Making students a part of the research done by the faculty
  - Involvement of PhD scholars in teaching and laboratories
  - Research fellowships to meritorious students from UGG-BSR, New Delhi
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

***Major strengths :***

Strength of students is reasonably good  
Largest department on the campus of School of Sciences  
Job placement for M.Sc. students is mainly through campus interviews  
Ratio of number of seats (150) to applications received is pretty good. Almost (150:600) (1:4)  
Dynamic curriculum  
Constructive support from the department administration

***Major weaknesses :***

Infrastructure facility is not adequate for the intake of students  
Student: Faculty ratio is inadequate with only 7 faculty members.  
Administrative staff ratio is also very less.  
Limited scope for new Programmes due to inadequate faculty and infrastructure facility. Lesser consultancy

52. Future plans of the department.

The Department of Chemistry offers MSc, MPhil and PhDs Programmes with an aim to provide rigorous education in the fundamental areas of chemistry for knowledge and experimentation. The department's Programme of teaching and research spans the breadth of chemistry. General areas covered include organic chemistry, analytical chemistry, inorganic chemistry and physical chemistry. These include material science, nanotechnology, novel approaches for synthesizing new chemical entities through green pathways, novel sensors for environmental applications, clinical science and many others. Based on this several core papers on specific areas will be included in the curriculum besides observing the UGC guidelines. Further, keeping pace with the current needs and available opportunities with regards to local scenario, some topics related to pharmaceuticals, dyestuff and fine chemicals shall be incorporated in the syllabus.

Additionally, we are planning to organize short term courses for the use and application of modern instrumental techniques like GC-MS, XRD, Ion Chromatography, AAS, FT-IR, HPLC, Thermal analysis etc., which are currently available with the department for the PG and Research students. These training courses will also be of help to PG students and teachers employed in

University affiliated colleges and other research centers. The practical exercises will be designed in such a way so that they can have hands on experience as well as theoretical and practical knowhow.

To have greater industrial interaction/collaboration, the department aims to provide broad based industrial training Programme for improving teaching and practical skills. Regular visits to various Pharma-companies, Dye industries, R & D laboratories, National Research Laboratories and Institutions shall be the integral part of this Programme for greater exposure. Further, students will be asked to present their feedback on their industrial experience for greater dissemination of knowledge and towards improvement in their presentation skills. As a part of their curriculum, students of Semester IV will be encouraged to select topics related to regional issues, in addition to on-going thrust areas of National interest, such as effluent treatment for pollution management, development of new procedures for waste management, generation of electricity from waste water through innovative microbial fuel cells and others.

In the area of research it is proposed to encourage interdisciplinary or multidisciplinary research activities especially in the field of Nanoscience and Nanotechnology, Synthesis of Biomolecules and Phytochemical Research through active collaboration with different departments in the campus and industries, based on state priorities. For corrosion inhibition studies, interaction with the industries will be made so as to take up industry related problems.

## 16. Department of Computer Science

1. Name of the Department :Department of Computer Science
2. Year of establishment :1982
3. Is the Department part of a School/Faculty of the university? :Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :

Programme	Name	Year
PG Diploma	Post Graduate Diploma Computer Science & Applications (PGDCSA)	1982
Ph.D.		1988
PG Degree	Master of Computer Applications (MCA)	1988
	M.Tech. (Networking & Communications)	2010
	M.Tech. (Web Technologies)	2010
PG Diploma	Post Graduate Diploma in Network Administration (PGDNA)	2010
Integrated Programme	M. B. A.	1993
	M. Sc. In Computer Application & Information Technology (Co-ordinator Prof.S.R.Gandhi, K.S.School of Business Management)	1998

5. Interdisciplinary Programmes and departments involved NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester system
9. Participation of the department in the courses offered by other departments :  
As and when requested, conducted sessions of some subjects of Computer Science for Physics, Space Sciences, Bioinformatics, Actuarial Science for School of Commerce etc.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	–	1
Associate Professor	3	2	1
Assistant Professor	5	1*	1
Others (Temporary Lectures)	–	–	5

\* There were 2 Assistant Professors till July, 2013.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Dr. Savita Gandhi	M.Sc. , Ph.D. , A.A.S.I.	Professor & Head	Mathematics & Computer Science, etc...	35	Ph. D completed : 2 Ph. D. pursuing : 8
Dr. Jyoti Pareek	Ph. D. Comp.Sci.	Asso. Prof.	Computer Science - Natural Language Processing, etc...	23	Ph. D completed : 2 Ph. D. pursuing : 8
Dr. Hiren Joshi	Ph.D. Comp.Sci.	Asst. Prof.	Computer Science, etc...	12	
Mr. Hardik Joshi	M.Phil Comp.Sci.	Asst. Prof.	Information Retrieval, etc...	12	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : 17

13. Percentage of classes taken by temporary faculty – Programme-wise information

Sr. No.	Class	Faculty Programme wise information
1	MCA	40%
2	PGDCSA	37.50%
3	M.Tech (Networking & Communications)	0.09%
4	M.Tech (Web Technologies)	00%
5	PGDNA	50%

14. Programme-wise Student Teacher Ratio:30:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr. No.	Particulars	Sanctioned	Filled	Actual
1	Support Staff (technical)	3	–	7
2	Administrative staff	2	1	2

16. Research thrust areas as recognized by major funding agencies NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sr. No.	Name of Project Started in this year	Value of Project in Lakhs	Funding Agency	Duration	Investigators
1.	e-PG-Pathshala	112 Lakhs	UGC	1 yr	Dr Savita Gandhi (PI) Dr Jyoti Pareek (co PI)
2.	Identification of Significant Terms from Gujarati Text Documents	1.72 Lakhs	UGC Minor Research Project	2 yr	Shri Hardik Joshi
3.	Document Similarity Amid Automatically Detected Terms	NIL	IBM Research Labs & University of Maryland - USA	1 yr	Shri Hardik Joshi

18. Inter-institutional collaborative projects and associated grants received
- |                           |                                |
|---------------------------|--------------------------------|
| a) National collaboration | b) International collaboration |
| NIL                       | NIL                            |
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: NIL
20. Research facility / centre with
- \* state recognition
  - \* national recognition
  - \* international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies NIL
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international) : 69
  - \* Monographs : NIL
  - \* Chapters in Books : 05
  - \* Edited Books : 02
  - \* Books with ISBN with details of publishers : 6
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated NIL
24. Areas of consultancy and income generated NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad NIL
26. Faculty serving in
- |                        |                             |                     |                                     |
|------------------------|-----------------------------|---------------------|-------------------------------------|
| a) National committees | b) International committees | c) Editorial Boards | d) any other (please specify) : NIL |
|------------------------|-----------------------------|---------------------|-------------------------------------|

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).

All permanent faculties have acted as coordinators turn by turn for Refresher Programmes in ICT /Computer Applications conducted by ASC, Gujarat University. They also act as Resource persons for the same. Also, all faculties have been involved in conducting Computer sessions in orientation Programmes and refresher Programmes of other disciplines of Gujarat University. All of the permanent faculty are also invited to act as resource persons for refresher Programmes of ASC of other Universities and/or other workshops conducted by different Institutes.

28. Student projects

- \* percentage of students who have done in-house projects including inter-departmental projects 20%
- \* percentage of students doing projects in collaboration with other universities/industry / institute NIL

29. Awards / recognitions received at the national and international level by

- \* Faculty NIL
- \* Doctoral / post doctoral fellows NIL
- \* Students NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (National/International) with details of outstanding participants, if any.

- National e-Governance Workshop
- OpenStack Community MeetUp, Openstack community India
- Cloud on OpenStack, Knowledge Share Event
- Mobile Application Development, Knowledge Share Event

31. Code of ethics for research followed by the departments : As per University Guidelines

32. Student profile Programme-wise:

Year	Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
2007	PGDCSA		22	11	24%	36%
2008			12	21	15%	27%
2009		310	12	21	18%	30%
2010		157	20	13	15%	42%
2011		78	15	18	21%	12%



Evaluative Report of the Departments

2012		116	14	19	9%	21%	
2013		57	11	22	12%	30%	
2007	MCA	Admission is done by State Level Joint Admission Committee for Post Graduate Courses through State Level Entrance Exam CMAT (Students with top merit of for admission to the Department)	21	09	63%	09%	
2008			22	09	61%	22%	
2009			17	11			
2010			23	08	55%	35%	
2011			25	05	46%	27%	
2012			24	07	55%	27%	
2013			22+4*	07+01*	55%	30%	
2010			M.Tech (Networking & Communications)	Admission is done by State Level Joint Admission Committee for Post Graduate Courses through State Level Common Entrance Exam	16	04	–
2011	18	07			–	–	
2012	19	06			80%	20%	
2013	05	05			52%	20%	
2010	M.Tech (Web Technologies)	Admission is done by State Level Joint Admission Committee for Post Graduate Courses through State Level Common Entrance Exam	10	10	–	–	
2011			12	05	–	–	
2012			11	12	50%	50%	
2013			08	03	59%	24%	
2010	PGDNA		17	09	05	–	
2011			16	09	04	54%	36%
2012			10	03	03	62%	23%
2013			03	01	01	0%	50%

\* Lateral Entry Admission in MCA Semester – III

## 33. Diversity of students

Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2007	PGDCSA	94%	06%		
2008		88%	12%		
2009		91%	09%		
2010		94%	06%		
2011		82%	18%		
2012		88%	12%		
2013		82%	18%		
2007	MCA	47%	53%		
2008		42%	55%		
2009		28%	69%		
2010		31%	65%		
2011		43%	53%		
2012		31%	69%		
2013		62%	35%		
2010	M.Tech (Networking & Communications)	50%	47%		
2011		44%	56%		
2012		32%	68%		
2013		90%	10%		
2010	M.Tech (Web Technologies)	35%	65%		
2011		24%	76%		
2012		17%	83%		
2013		91%	09%		
2010	PGDNA	53%	47%		
2011		100%	–		
2012		67%	33%		
2013		100%	–		

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

Students progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil.	N.A.
PG to Ph.D.	10 %
Ph.D. Botany to Post-Doctoral	N.A.
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	MCA - 75% M.Tech - 10% MCA - 20% M.Tech - 70% PGDCSA - 90% PGDNA - 100%
Entrepreneurs	MCA - 5%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State from	25%
universities from other States from	50%
universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period NIL

38. Present details of departmental infrastructural facilities with regard to

- a) Library : Well Stocked Departmental Library as well as University Central Library
- b) Internet facilities for staff and students : 1gbps & 10 gbps Fiber Optic Lan, Class rooms are also equipped with internet and LAN connectivity
- c) Total number of class rooms : 8
- d) Class rooms with ICT facility : 2 Classrooms have mounted projectors and 3 Portable LCD Projectors are available, which are used in rest of the classrooms. 1 interactive panel under installation. 1 Seminar Hall with mounted projector.
- e) Students' laboratories : 3 (Laboratory – I: 35 Computers , Laboratory – II: 31 Computer, Laboratory – III: 90 Computers and 90 Thin Clients)
- f) Research laboratories NIL

39. List of doctoral, post-doctoral students and Research Associates

- |   |    |
|---|----|
| a) from the host institution/university : | 06 |
| b) from other institutions/universities : | 07 |

40. Number of post graduate students getting financial assistance from the University

Being State University, Fees for grant in aid Programmes are already very low. Full tuitions fees for all female students are waived. Students also receive regular State Government scholarship for different categories.

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.

Earlier NAAC committee had advised on visit to Department to go for M.Tech Programmes in Future. As a follow up, brain storming sessions were done with Alumni serving in industries, other peer members from Academic Institutes for determining the specialization of M.Tech Programmes.

42. Does the department obtain feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
Regular meeting with the staff is conducted where the difficulties faced by the faculties are discussed and suggestions on various aspects of Department functioning are invited. Suggestions when found appropriate are implemented. The suggestions of each faculty for improvement in the syllabus taught by them are invited at the time of syllabus revision.
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Yes, the faculty are given appropriate advice as per the feedback received from the students. Student's feedback as well as alumni inputs are utilized at the time of syllabus revision.
- c) Alumni and employers on the Programmes offered and how does the department utilize the feedback?  
The inputs are invited from the alumni at the time of syllabus revision. Alumni are also invited to interact with the students at the Department to give advice pertaining to academics and career.

43. List the distinguished alumni of the department (maximum 10)

- Ms. Leena Koshy (Project Manager at Johnson Technologies Systems Inc. (Previously Government Systems Technology Inc., Intelligent Decisions Systems Inc, DDE ORG Systems, USA)
- Mr. Abhilash Sonawane (Senior Vice President, Cyberoam)
- Mr. Kuldeep Pabla (Senior Director, Cloud Services Innovation Lab & Media Solutions Center, Samsung)

- Mr. Aseesh Asthana ( Senior Product Manager, Semantec Corporation)
- Mr. Jaydev Thakkar (Director at Amgen)
- Ms. Baradia Swati (Senior Member of Technical Staff, Architect PayPal)
- Ms. Chitra Iyer , (Software Engineer, IBM)
- Mr. Jagdish Agarwal (Technical Specialist at Ricoh, UK)
- Mr. Tejas Sanghvi (Head - IT Risk and Control at Nomura, India)
- Mr. Chetan Vithalani (Global Practice Manager, Databases at Techdemocracy LLC)
- Mr. Anshul Namjoshi (Manager at Capegemini, Greater Los Angeles)
- Mr. Rajan Lalani (Sr. Solutions Architect at hybris software Greater Chicago)
- Mr. Javed Kapoor (Senior Consultant at Deloitte Consulting India Pvt Ltd.)

44. Give details of student enrichment Programmes (special lectures/workshops /seminar) involving external experts.

Department organizes Expert Lectures and Workshops for the benefit of students and faculties.

- Dr. O. P. Vyas , IIT Alahabad (Data Mining and Recent Advances)
- Mr. Pravin Jain, Zen Softech Private Limited (Java workshop)
- Streebo (Enterprise Mobility)
- TCS (Soft Skills)

Students are also encouraged to participate in various Workshops, Seminars and Technical events organized at other institutions.

45. List the teaching methods adopted by the faculty for different Programmes.

- Traditional black board
- ICT enabled teaching methods
- On hand experience in lab
- Projects
- Dissertation
- Presentation
- Group Discussion
- Assignments
- Remedial Lectures
- E learning tools
- Case studies
- E mulyankan (in house application developed for self assessment of the students by means of taking test as per student convenience and pace)
- Online demo (LAN connectivity is available in each classroom)

46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?

Regular feedbacks are taken from examiners coming for taking practical examinations to ensure that desired learning in the subjects has taken place or not. Feedback is taken from the companies at the time of campus recruitment drive to ascertain the quality of the students. Also, feedback is taken from companies where our students are working to know their performance in the organization.

47. Highlight the participation of students and faculty in extension activities.

Informal Way

48. Give details of “beyond syllabus scholarly activities” of the department.

Students are made to do presentation on the topics beyond their syllabus to enhance their learning capability, communication and presentation skills and broaden their knowledge in the field of computer science.

In the Semester V, one subject is dissertation where students are required to gather the knowledge in thrust research areas and wherever possible perform small experiment.

49. State whether the Programme/department is accredited/graded by other agencies? If yes, give details. : NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Faculty have done good quality research which has considerable scope of useful implementation in industries after due testing in real life labs, affecting common man and also specialized applications.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths :**

- Sincere and dedicated team of teaching and non teaching staff
- Good Quality of teachers
- Very good placement for MCA students
- Qualitative Research
- e-mulyankan (Inhouse application developed for students for self assessment at own pace and convenience)
- e-sampark (Inhouse MIS developed for students and faculty which enables students to view their attendance, download assignments, view internal marks, download sessional papers, view notices, class time tables, schedules of examination, assignment submission, feedback facility etc.)

- Good Lab and Internet facility
- Mentor System
- Student Centric Department
- Disciplined students
- Good Extra Curricular activities
- Strongly placed alumni all over the globe

**Weakness :**

- Lack of extension activities
- Lack of specialized research labs
- No income generated from consultancy

**Opportunities :**

- Develop extension activities
- Develop specialized research labs
- Organize more workshops
- Improve institute industry interaction

**Challenges :**

- Inadequate number of permanent faculties

52. **Future plans of the department.**

As all the faculties in the Department are either Ph.D. or pursuing Ph.D., the Department aims at enhancing, research by means of taking up research projects and developing research labs. Department aims to involve more and more students, specially M.Tech students with these research activities so as to enhance their knowledge base and make them capable of carrying out quality research. Department also plans to enhance extension activities for leveraging the benefits of ICT to the masses.

### 17. Department of Environmental Science

1. Name of the Department : **Environmental Science Department**
2. Year of establishment : **1989**
3. Is the Department part of a School/Faculty of the university? : **Yes.**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **PG, Ph.D.**
5. Interdisciplinary Programmes and departments involved : **Yes.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
7. Details of Programmes discontinued, if any, with reasons : **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Semester-Choice Based Credit System.**
9. Participation of the department in the courses offered by other departments : **Yes** (Department of Chemistry, Department of Zoology and Department of Botany Technology).
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	0	0	
Associate Professors	1	0	
Asst. Professors	1	0	
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students registered
Dr.N.K.Shah	M.Sc., Ph.D.	Coordinator	Analytical Chemistry	25	02



12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

Sr. No.	Name	Designation	Department
1.	Dr. Linz Bouy George	Asso. Prof.	Zoology
2.	Dr. Hitesh A. Solanki	Asso. Prof.	Botany
3.	Dr. Devyani R. Tipre	Asso. Prof.	Microbiology
4.	Mr. Nirav P. Raval	Research Scholar	Environmental Science
5.	Ms. Prapti U. Shah	Research Scholar	Environmental Science
6.	Ms. Khushboo Bhavsar	Research Scholar	Environmental Science

13. Percentage of classes taken by temporary faculty – Programme-wise information : NA

14. Programme-wise Student Teacher Ratio:  
**M. Sc. - 30:1                      Ph.D. - 4:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

List of Staff	Sanctioned	filled	Actual
Support staff (technical)	1	Nil	Nil
Administrative staff class III	1	Nil	Nil
Administrative staff class IV	1	Nil	Nil

16. Research thrust areas as recognized by major funding agencies:NA

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise :Nil

18. Inter-institutional collaborative projects and associated grants received:Nil

19. Departmental projects funded by:Nil

20. Research facility/centre with:  
 \* State recognition              No  
 \* National recognition          No  
 \* International recognition      No

21. Special research laboratories sponsored by / created by industry or corporate bodies

22. **Publications :**
- \* Number of papers published in peer reviewed journals (national / international): **Nil.**
  - \* Monographs: **Nil.**
  - \* Chapters in Books: **Nil.**
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. **Details of patents and income generated :Nil**
24. **Areas of consultancy and income generated :Nil**
25. **Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad :Nil**
26. **Faculty serving in:**
- a) National committees: **Nil.**
  - b) International committees: **Nil.**
  - c) Editorial Boards : 4
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes) :**  
**Refresher Course.**
28. **Student projects**
- \* percentage of students who have done in-house projects including inter departmental projects: 75 %
  - \* percentage of students doing projects in collaboration with other universities/industry / institute: 25 %
29. **Awards / recognitions received at the national and international level by :Nil**
- Faculty
  - Doctoral/post-doctoral fellows
  - Students : Inspire Fellowship and DST-Women Scientist Fellowship

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any. : Nil

31. Code of ethics for research followed by the departments: NIL

32. Student profile Programme-wise:

Name of the Programme (refer question no.4)	Application received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc.	Approx.. 350	42	104	100%	100%
Ph.D.	15	2	1		

33. Diversity of students :

Name of the Programme (refer to Question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc.	94%	4%	1%	1%
Ph.D.	95%	4%	1%	---

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Civil services – Nil., Defence services- Nil., NET – Nil., SET – Nil., GATE – Nil.

35. Student progression:

Students progression	Percentage against enrolled
UG to PG	---
PG to M.Phil	---
PG to Ph.D.	12 – 15 %
Ph.D to Posta Doctoral	---
Employed	
• Campus selection	---
• Other than campus recruitment	80%
Entrepreneurs	Various Industties, Enviromental Consultancies Research Laboratories, Contract Research Organizations.

36. Diversity of staff:

Percentage of faculty who are graduates	
Of the same university	80 %
From other universities within the State	20 %
From universities other States	–
From universities outside the country	–

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **None.**

38. Present details of departmental infrastructural facilities with regard to

- a. Library –**No.**
- b. Internet facilities for staff and students: **Yes**, with a facility of 3 computers.
- c. Total number of class rooms – **02.**
- d. Class rooms with ICT facility – **01.**
- e. Students’ laboratories -**01**
- f. Research laboratories –**None.**

39. List of doctoral, post-doctoral students and Research Associates Please refer item no.

- a. from the host institution/university
- b. from other institutions/universities

40. Number of post graduate students getting financial assistance from the university: **Nil**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. Not Applicable

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **The process is being implemented at the time of syllabus revision through the Board of Environmental Science.**
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
Yes. Feedback on the performance and various aspects of teaching-learning-evaluation is taken from the final year students. These matters are also discussed at the faculty meetings organized in the department. Suggestions for incorporation of diverse project work/review of papers, internet facility in the department and other such issues are discussed and suitable actions are taken where ever necessary.

- c. Alumni and employers on the Programmes offered and how does the department utilize the feedback?  
Suggestions from employer are constructively utilized for better education and for Continuous improvement of syllabus and academic activities for overall development.
43. List the distinguished alumni of the department (maximum 10) :
- (i) Dr. Mrugesh Trivedi [Faculty at Kutch University].
  - (ii) Dr. Minal Pathak [Faculty at CEPT University].
  - (iii) Dr. Jigisha Upadhyay [Faculty at IIM].
  - (iv) Mr. Chirag Paregi [Healthy and Safety Officer Torrent]
  - (v) Mr. Devanshu Joshi [Sales Executive]
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts: **NA**
45. List the teaching methods adopted by the faculty for different Programmes.
- i. Use of scientific models
  - ii. Lectures and seminars through LCD projectors
  - iii. Written study materials
  - iv. Research papers
  - v. E- books
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
- Rigorous monitoring of the progress of the students is ensured through
- ✓ In-house meetings where students and coordinator discuss various issues related to the course and its evaluation.
  - ✓ Comprehensive and continuous evaluations are conducted through written tests, assignments, presentations, scientific discussions etc.
47. Highlight the participation of students and faculty in extension activities.
- i. Actively participated as volunteer in government project for social cause.
  - ii. Sports and recreation
  - iii. Blood donation camps
48. Give details of “beyond syllabus scholarly activities” of the department.  
Preparing students for mock interviews and public speaking.
49. State whether the Programme/department is accredited graded by other agencies? If yes, give details:**No.**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Innovative student projects with new ideas as part of curriculum.
  - Making students a part of the research done by the faculty.
  - Involvement of Ph.D. scholars in teaching and laboratories.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Major strengths :**

- Strength of students is reasonably good.
- Ratio of number of seats (30) to applications received is good. Almost (30:106) (1:4).
- Dynamic curriculum.
- Constructive support from the department administration and Research Scholars.

**Major weaknesses :**

- Department has no permanent Faculty.
- Infrastructure facility is not adequate for the intake of students.
- Limited scope for new Programmes due to unavailability of faculty and infrastructure facility.
- Lesser consultancy.

52. Future plans of the department.

The Department of Environmental Science offers M.Sc., and Ph.D. Programmes with an aim to provide rigorous education in the fundamental areas of Environment for knowledge and experimentation. General areas covered include Water, Air, Solid-waste Management, Environmental Toxicology and Environmental Laws. Further, keeping pace with the current needs and available opportunities with regards to local scenario, some topics related to various industrial problems shall be incorporated in the syllabus. The practical exercises will be designed in such a way so that they can have hands on experience as well as theoretical and practical knowhow. Additionally, we are planning to set up a full fledge laboratory where testing of all the environmental parameters can possibly be done and further we can go for the NABL accreditation of lab. The department aims to provide broad based industrial training Programme for improving teaching and practical skills to have greater industrial interaction / collaboration. Regular visits to various consultancies, GPCB, CETP, Dye industries, R & D laboratories, National Research Laboratories and Institutions shall be the integral part of this Programme for greater exposure. Further, students will be asked to present their feedback on their experience for greater dissemination of knowledge and towards improvement in their presentation skills. As a part of their curriculum, students of Semester IV will be encouraged to select topics related to regional issues, in addition to on-going thrust areas of National interest, such as effluent treatment for pollution management, development of new procedures for waste management, generation of electricity from waste water through innovative microbial fuel cells and others.

## 18. Department of Forensic Science

- 1 Name of the Department : **Department of Forensic Sciences**
- 2 Year of establishment: **2006**
- 3 Is the Department part of a School/Faculty of the university? : **YES**  
University School of Sciences, Faculty of Science, Gujarat University, Ahmedabad.
- 4 Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **M.Sc. Ph.D. Certificate Courses**
- 5 Interdisciplinary Programmes and departments involved : **Independent Department with Coordinated Programme : M.Sc./Dissertation/Projects, Departments Involved : Chemistry, Statistics, Zoology, Life Sciences, Environmental Sciences, Biochemistry, Botany.**
- 6 Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
- 7 Details of Programmes discontinued, if any, with reasons : **Nil**
- 8 Examination System: Annual/Semester/Trimester/Choice Based Credit System : **Semester/Choice Based Credit System**
- 9 Participation of the department in the courses offered by other departments: **Department Faculty members are part of Coordination/Teaching/Research and developmental activities with other departments in the campus like Life Science, Environment Science, Forensic Science, Biochemistry, Bioinformatics, Climate Change Impacts Management departments**
- 10 Number of teaching posts sanctioned, filled and actual (Professors/Associate Pro. Professors/others) : **No sanctioned posts**

11 Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance : **No permanent faculty**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph. D /M.Phil students guided
Dr.Shobhana Menon	Ph. D.	Co-ordinator	Chemistry	30	6
Dr.H.A.Pandya	Ph. D.	Co-ordinator	Botany	19	8 + 46
Mr. Kapil Mukar	Ph.D.	Adhoc Faculty	Forensic Science	5	

12 List of senior Visiting Fellows, adjunct faculty, emeritus professors :

1	Dr. J. M. Vyas, Director, Dr. M. S. Dahiya, Mr. N. K. Pathak, Shri. D. B. Talati, Shri. H. T. Modi, Dr. A. K. Mehta, Shri. S. G. Khandelval, Mr. J. J. Patel, Mr. P. K. Patel, Dr. A. K. Mehta, Dr. M. N. Patel, Dr. Uma H., Shri. Keshavkumar IPS B/H Police Bhavan, Gujarat State, Sector 18-A, Gandhinagar – 382 007.
2	Shri. A. N. Patel, Assistant Director, Shri. N. F. Patel, Shri. C. M. Patel, Dr. Krupa P. Nanavati, Shri. S. V. Sitpuria, Shri. S. G. Khandelval FSL, Ahmedabad.
3	Dr. M.M. Maisuria, Dr. M. V. Rao, Dr. S. P. Rathor, Dr.(Mrs.) S. K. Menon, Dr. M. N. Patel, Dr. Usha Pal, Dr. N. K. Jain, Dr. H. Kaur, Dr.(Smt). H. N. Highland, Mr. Kapilkumar, Dr. H. A. Pandya Gujarat University, Ahmedabad.
4	Prof. Ravindra Bhise, Professor of Forensic Medicine, 2A, Malay Soceity, Near Manekbaug Hall, Ambawadi -15, Ahmedabad
5	Dr. Saumil Merchant, J/2 AMC Offices Quarter, Udyan Marg, Law Garden, Ellis bridge, Ahmedabad 380 006
6	Prof. Ravindra Bhise, Professor of Forensic Medicine, Ex Dean, B J Medical College, Ahmedabad
7	Mr. I. M Pandya, Advocate, High Court of Gujarat, Ahmedabad
8	Dr. Arjun V. Mane, Assistant Professor (Information Technology), Raksha Shakti University, New Mental Corner, Meghaninagar, Ahmedabad
9	Mr. Kaushal Bhavsar, Founder & CEO, “Pratikar”, Ashram Road, Ahmedabad
10	Dr. B. R. Prajapati, Assistant Professor, L.M. College of Pharmacy, Dept. of Pharmaceutical Chemistry, Navrangpura, Ahmedabad
11	Ms. Asha S. Nair, B 303 Sureel Willows, Near Krishna Heart Hospital, Ghuma, Bopal, Ahmedabad
12	Dr. Rushikesh Mehta, Principal, Nanavati Law College, Laldarwaja, Ahmedabad



- 13 Percentage of classes taken by temporary faculty - Programme-wise information  
In house Faculty 20 : 80 visiting faculty Since there are no permanent faculty  
80% classes taken by temporary and Visiting Faculty
- 14 Programme-wise Student Teacher Ratio: M.Sc. Programme 50 students.  
Approximately 1:10 ratio
- 15 Number of academic support staff (technical) and administrative staff:  
sanctioned, filled and actual :No permanent sanctioned post  
Temporary technical Supportive staff : Laboratory assistant -01, Computer  
Operator - 01, Librarian- 01, Peon-01
- 16 Research thrust areas as recognized by major funding agencies : N.A.
- 17 Number of faculty with ongoing projects from a) national b) international  
funding agencies and c) Total grants received. Give the names of the funding  
agencies, project title and grants received project-wise. :  
**Dr.Himanshu A. Pandya; Associate Professor** Major Research Projects: 05
- 18 Inter-institutional collaborative projects and associated grants received :  
a) National collaboration  
b) International collaboration
- | Agency            | Fund Allocated (Lakhs) |
|-------------------|------------------------|
| SAC-ISRO          | 25.02                  |
| Forest Department | 20.08                  |
- 19 Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT,  
ICSSR, AICTE, etc.; total grants received.  
Financial support received: Teaching and Research, Gujarat State Government  
Grant Rs.65 Lakhs
- 20 Research facility / centre with :  
o State recognition  
o National recognition  
o International recognition
- 21 Special research laboratories sponsored by / created by industry or corporate  
bodies
- 22 Publications :  
\* Number of papers published in peer reviewed journals (national /  
international) : **85**  
\* Monographs  
\* Chapters in Books  
\* Edited Books

- \* Books with ISBN with details of publishers
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Citation Index – **950**
- \* SNIP
- \* SJR
- \* Impact Factor - range / average  
**Impact factor range 6.2-1.2**  
**Impact factor average: 2.7**
- \* h-index -**18**

23 Details of patents and income generated : **NIL**

24 Areas of consultancy and income generated : **NIL**

25 Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad :**NIL**  
 Dr. Himanshu A. Pandya visited University of Texas Medical Branch (UTMB) for Isolation and Establishment of Cell Line Cultures, University of Texas, Galveston, U. S. A., December-2011.

26 Faculty serving in  
 a) National committees b) International committees c) Editorial Boards d) any other (please specify) :  
 a) National Committee : 18  
 b) International Committees : 1  
 c) Editorial Boards : 6

27 Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).  
 Faculty members, research scholars and students are regularly encouraged for Refresher Courses, Orientation Programme, Workshops / Training Courses / Symposiums/Congress/Group Meetings, Field Visits/Excursions/Industrial visit

28 Student projects  
 o percentage of students who have done in-house projects including inter-departmental projects : **90%**  
 o percentage of students doing projects in collaboration with other universities / industry / institute : **10%**

- 29 Awards / recognitions received at the national and international level by :**NIL**
- Faculty : Dr. Himanshu Pandya was awarded Best Paper (Poster) and received Cash Prize in XXVI<sup>th</sup> International Horticultural Congress (IHC-2002), Toronto, Canada. 2002.
  - Doctoral / post-doctoral fellows : ---
  - Students : ---

- 30 Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. : 1

- 31 Code of ethics for research followed by the departments :  
Certification of the ethical committees of Civil Hospital, Ahmedabad and V.S. Hospital, Ahmedabad

- 32 Student profile Programme-wise :

Namr of the Programme (refer to question no.4)	Applicati ons received	Selected		Pass percentage	
		Male	Female	Male	Female
2007 to 2014	1154	59	95	100%	100%

33. Diversity of students

Name of the Programme (refer to Question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. 2007 to 2014	85%	45%	20%	NIL

- 34 How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC-NET : 44 students, UGC JRF : 12 students

- 35 Student progression

Student progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil	N.A.
PG to Ph. D.	6%
Ph. D. to Post-Doctoral	---
Employed	Government jobs
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

36 Diversity of staff : NA

Percentage of faculty who are graduates	
Of the same university	
From other universities within the state	
From universities from other States from	
Universities outside the country	

37 Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

38 Present details of departmental infrastructural facilities with regard to

- Library : **Computerized library (SOUL Software from Inlibnet) cum reading room with books, encyclopaedias, manuals and dissertations.**
- Internet facilities for staff and students **NIL**
- Total number of class rooms : **2 class rooms**
- Class rooms with ICT facility : **1 (Computer cum Seminar Room)**
- Students' laboratories : **1**
- Research laboratories : **1**

39 List of doctoral, post-doctoral students and Research Associates : NIL

- from the host institution/university
- from other institutions/universities

40 Number of post graduate students getting financial assistance from the university. :NIL

41 Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. :

The proposal is discussed during coordination committee meeting, a market survey is conducted to find out the prospects and impact of the Programme.

42 Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Yes, feedback is taken from the faculty on curriculum and necessary modifications are done in the syllabus.
- Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Student on staff is used to use the retain the best visiting faculty.
- Alumni and employers on the Programmes offered and how does the department utilize the feedback? : Alumni Association just been formed

43 List the distinguished alumni of the department (maximum 10) : Department was established in 2006

- 44 Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.
- Every Saturday experts lectures are arranged.
  - Regular SCOPE classes are conducted in the department of improve English language.
  - Court Proceeding - Students are taken to the court to witness court proceedings.
  - Post mortem witnessing. Students are taken to Civil Hospital to witness live post-mortem.
  - Students undertake Rifle training at Rifle training club.
  - Visit to Institutions of International fame like IPR, Gandhinagar
- 45 List the teaching methods adopted by the faculty for different Programmes.
- i. Conventional chalk and board method
  - ii. Multimedia and Power point presentation
  - iii. Web based examination
  - iv. Reconstructing crime scene for practical purposes
- 46 How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
- The quality of teaching and learning is ensured from the number if students cleared national competitive examination. 44 students from our department have cleared UGC NET and 15 UGC-NET JRF during the last 7 years.
- 47 Highlight the participation of students and faculty in extension activities.
- An MoU has been signed “Harvest Biomarks initiative’ between Afro Asian Development Consortium and Gujarat University with the initiative of Dr. Shobhana K. Menon. The proposal is a clean renewable energy project involving concurrent and interdisciplined activities like biomass waste fuel technology, resource assessment conversion option assessment, point source pollution assessment etc. The on going research activities are supported are supported by Ph. D and M. Sc. Students. An integrated project for waste management and organic farming using sample biotechnology technique with the project caption “Taru Tane Arpan” was started in 2012 to convert garden waste into rich organic manure which was used to maintain University garden as well as to grow vegetable and medicinal plants. This project is supported by Ph.D and M. Sc students. Blood donation Riddhi Bhatt (Student) won the prestigious GOLDEN PEACOCK AWARD.
- 48 Give details of “beyond syllabus scholarly activities” of the department
- 49 State whether the Programme/department is accredited/graded by other agencies? If yes, give details. : NIL

50 Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Department is actively involved in research in topics from the thrust areas of forensic science like Questioned Document Examination, Forensic Anthropology, Forensic Toxicology & Nano Materials, Molecular Biology & Forensic Toxicology, Forensic Anthropology, Forensic Medicine & Nano Materials, Wild Life Forensic, Environmental Forensic. Many small research projects along with full-fledged research as doctoral Programme (Ph.D.) is carried in the department.

51 Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

The department is steadily ahead as a centre for higher scientific vocational and job oriented education and innovative research. The goal of the department is to innovate in the field of forensic science and to become a center of education both national and international. The department is not only confined to impart quality education but also to satisfy the burning desire of the students who are exploring the creative intellect and learning attitude of the students.

**Strength :** Academic excellence, Most experience visiting faculty, Research work in all emerging fields of forensic science, most sought after department for post graduate admission.

**Weakness :** Inadequate infrastructure facility, lack of permanent faculty, insufficient research facilities, lack of good funding.

**Opportunities :** Tremendous opportunities to grow since there are only few centres in our country offering post-graduation in forensic science and also research opportunities for developing newer techniques in solving crimes.

**Challenges :** To train to students to improve their job prospects. To make the department centre of excellence for teaching and research in forensic science.

52 Future plans of the department.

- To acquire grant in aid status for the department.
- To interact with institutions of higher learning in forensic science and to sign MoU's for the exchange of ideas.
- To establish advanced centre for nanotechnology research with special reference to forensic science applications.
- To establish connectivity between national knowledge network (NKN) and National Information Centre (NIC) in which virtual class room(VCR) would be made which are connected to various (VCR) of various IIT's and Research Institutions.

## 19. Department of Life Science

1. Name of the Department : **LIFE SCIENCES**
2. Year of establishment : **1982**
3. Is the Department part of a School/Faculty of the university? : **YES**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.) : **PG, M.Phil., Ph.D.**
5. Interdisciplinary Programmes and departments involved :

Sr. No.	Programme	Departments involved
1	M.Sc. Life Science	Department of Botany
		Department of Zoology
		Department of Chemistry
		Department of Statistics
		Department of Microbiology
2	M.Sc. Food Science and Nutrition & M.Sc. Bio - Chemistry	Departments involved
		Department of Botany
		Department of Zoology
		Department of Statistics

6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of Programmes discontinued, if any, with reasons :
8. Examination System : Annual/Semester/Trimester/Choice Based CreditSystem : Annual system : 2007 to 2011, Semester System: 2011 onwards
9. Participation of the department in the courses offered by other departments: Engaged in teaching in University School of Science Departments such as : Zoology, Biomedical Technology, Botany, Bioinformatics, Biotechnology, Forensic Sciences, Environment Sciences.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	---	---	1
Associate Professors	2	2	1
Asst. Professors	---	---	---
Others	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. N. K. JAIN	M.Sc., Ph. D.	Professors	Zoological sciences, etc...		
Dr. H. A. MODI	M. Sc., M.Phil. Ph. D.	Asso. Prof.	Microbiology, etc...	37	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

- Dr. Ashvin Dabhi
- Dr. Jayeetha Chaudhary
- Prof. M. V. Rao
- Prof. S. R. Dave
- Dr. L.B. George
- Dr. H. N. Highland
- Dr. Ujjval Trivedi
- Dr. V. Bragenza
- Dr. R. V. Subhramanian
- Dr. Nareshkumar
- Dr. Mulchand Patel
- Dr. U. Radhakrishnan
- Dr. Sangeetha Krishna
- Dr. Alka Sanghvi
- Dr. Shipra Bhattnagar

13. Percentage of classes taken by temporary faculty – Programme-wise information : No Temporary Faculty



14. Programme-wise Student Teacher Ratio : 25:01
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Technical Staff – Nil, Administrative staff – 02 (1 Sr. Clerk + 1 Jr. Clerk), Peon-1, Helper-1
16. Research thrust areas as recognized by major funding agencies : Limbal Stem cell Research
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
18. Inter-institutional collaborative projects and associated grants received :NIL  
a) National collaboration      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. :NIL (Department is not eligible for such grant because of only 2 faculty members)
20. Research facility / centre with
  - a. ✓state recognition
  - b. national recognition
  - c. international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies:
22. Publications :
  - \* Number of papers published in peer reviewed journals (national /international) : 32
  - \* Monographs **NIL**
  - \* Chapters in Books
  - \* Edited Books :
  - \* Books with ISBN with details of publishers :
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **All Publications are online assessed**
  - \* Citation Index – range / average :
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index

23. Details of patents and income generated :**01**  
“Novel System of Phytase supplementation in Aquaculture” Patent No. : 11995;  
Dated 31/05/2013
24. Areas of consultancy and income generated :**Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad :**Nil**
26. Faculty serving in  
a) National committees b) International committees c) Editorial Boards d) any other (please specify) : 12
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).  
1. Refresher course in Life sciences, date 4-3-2013 to 24-3-2013.
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : **10%**
  - percentage of students doing projects in collaboration with other universities /industry / institute : **10%**
29. Awards / recognitions received at the national and international level by  
a. Faculty ✓  
b. Doctoral / post doctoral fellows  
c. Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.  
Science Excellence 2009,2010,2011,2013 Funding: Govt. of Gujarat  
Nutrition Week Celebration : 1<sup>st</sup> September; 2012,2013; Funding: Abbot Pvt. Ltd.
31. Code of ethics for research followed by the departments

32. Student profile Programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Life Science (2007)	440	4	23	100 %	100 %
Life Science (2008)	350	5+1	24+11	100 %	100 %
Life Science (2009)	444	4	22	100 %	100 %
Life Science (2010)	367	4	23	100 %	100 %
Life Science (2011)	345	2	23+3	100 %	100 %
Life Science (2012)	180	5+2	18+ 7	100 %	100 %
Life Science (2013)	222	6	23	100 %	100 %
Life Science (2014)	187	3	20	100 %	100 %

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State
Life Science M.Sc.	93 %	2%	5%
Life Science Ph.D.)	96%	1%	2%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	100%
PG to M.Phil.	100%
PG to Ph.D.	100%
Ph.D. to Post-Doctoral	100%
Employed • campus selection • other than campus recruitment	100%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	2
From other universities within the state	
From universities from other States from	
Universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **NIL**

38. Present details of departmental infrastructural facilities with regard to

- Library ✓
- Internet facilities for staff and students ✓
- Total number of class rooms **04**
- Class rooms with ICT facility : **01**
- Students' laboratories ✓
- Research laboratories ✓

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university : 23

**Doctoral: Guide: Dr. N. K. Jain**

1. Edwin Pithawala, 2. Flora Shah, 3. Namrata Bhagia, 4. Revati, 5. Arya, 6. Chandrashekar Shukla, 7. Azim Bagban, 8. Sheefa Mirza

**Guide: Dr. H. A. Modi**

1. Pooja Thakker, 2. Dhruvil Brahmhatt, 3. Sneha Jha, 4. Pankaj Barfal

**Guide: R. J. Verma**

1. Samora Sanman, 2. Kamibhai, 3. Hiral Suthar

**Guide: Dr. Sunil Kumar**

1. Prakruti Kapadia, 2. Mansi Gor, 3. Riddhi Thakkar, 4. Majumdar Joydee, 5. Bhaveshkumar Mojidra, 6. Rais Ahmed, 7. Khushboo Vaghela, 8. Sapna Sedha

b. from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. Nil.

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.

Proposal for new course: M. Sc. Food Science & Nutrition in 2010 was laid to Govt. of Gujarat and was sanctioned with amount Rs. 10,00,000.00 in year 2011.

42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Yes**
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes**
  - alumni and employers on the Programmes offered and how does the department utilize the feedback? **Yes**
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. :
45. List the teaching methods adopted by the faculty for different Programmes.

<b>(A) Use of technology</b>
(i) LCD
(ii) Internet
(iii) Others (specify)
<b>(B) Teaching Methods</b>
(i) Role Play
(ii) Presentation
(iii) Debate
(iv) Assignment
(v) Group Discussion
(vi) Industrial Visit
(vii) Field Work

46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? **Through student – teacher interaction**
47. Highlight the participation of students and faculty in extension activities. Educational tour 1. Field studies , 2. Placement activity, 3. Sports Activity for students, 4. Cultural Activity, 5. Community work such as [a] Blood Donation camps, [b] Blood grouping camps, [c] Tree plantation Movement, [d] Scientific temper development etc.
48. Give details of “beyond syllabus scholarly activities” of the department. By organizing Quiz, Group discussion Programmes etc.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : **NIL**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The major research work of the department is mainly based on application studies of the basic research and knowledge generated during the PhD. , M.Phil and M. Sc. Dissertation Programmes.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength** : Well disciplined and active students, Good team of Research Students, Energetic and Enthusiastic faculty, Good leadership, cooperative environment.

**Weakness** : Shortage of faculty in specialized fields, deficiency of technical staff, deficiency of specialized laboratories, Limitations in working space.

**Opportunities** : Development of scientific temperaments among the students, developing entrepreneurship in the students, developing applied research useful to society and nation.

**Challenges** : With limited faculty and staff members it is a challenge to run academic Programmes and research.

52. Future plans of the department.

1. To develop specialized research laboratories
2. To start M. Phil and PhD. Programme in Food Science and Nutrition
3. To increase the infrastructure facilities of the department
4. To start interdisciplinary collaborative research projects

## 20. Department of Mathematics

1. Name of the Department : MATHEMATICS
2. Year of establishment: 1959
3. Is the Department part of a School/Faculty of the university? YES
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)  
(i) M. Sc. (ii) M. Phil. (iii) Ph. D.
5. Interdisciplinary Programmes and departments involved : NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons : NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Up to 2010 : Annual, 2010 onwards : Semester & CBCS
9. Participation of the department in the courses offered by other departments : NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	2
Associate Professor	4	0	1
Asst. Professor	6	6	3
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Experience (Years)	No. of Ph.D./M.Phil. students guided for the last 4 years
Dr. A. K. Desai	Ph. D.	Professor & Head	Topology, etc...	31	4 Ph. D. / 4 M. Phil.
Dr. N. H. Shah	Ph. D.	Professor	Operations Research, etc...	24	9 Ph. D. / 4 M. Phil.
H. D. Kamat	M. Sc. M. S.	Asst. Prof.	Algebra, etc...	22	3 M. Phil.
K. V. Thaker	M. Phil.	Asso. Prof.	Functional Analysis, etc...	19	1 M. Phil.
Dr. N. P. Shrimali	Ph. D.	Asst. Prof.	Topology, etc...	16	1 M. Phil.
Dr. S. K. Patel	Ph. D.	Asst. Prof.	Singular integral operators, etc...	16	4 M. Phil.

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :NIL
13. Percentage of classes taken by temporary faculty – Programme-wise information : N/A
14. Programme-wise Student Teacher Ratio  
M. Sc. 125 : 6, M. Phil. 6 : 6, Ph. D. 9 : 2
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Technical	NIL	-	-
Administrative : Class-3	1	1	1
Class-4	2	1	1



16. Research thrust areas as recognized by major funding agencies  
Operations Research, Topology, Analysis: Harmonic Analysis, Graph Theory
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.
  - Number of Faculty : 1
  - funding agencies : UGC
  - project title : Mathematical Modeling of Epidemics
  - grants received : 1.4 Lacs
18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration    b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : NIL
20. Research facility / centre with
  - \* state recognition
  - \* national recognition
  - \* international recognition: ✓
21. Special research laboratories sponsored by / created by industry or corporate bodies
22. Publications : (Proof of each information required)
  - \* Number of papers published in peer reviewed journals (national / international) : **160**
  - \* Monographs : **1 (NHS)**
  - \* Chapters in Books: **3 (NHS) 1 (SKP)**
  - \* Edited Books : **NIL**
  - \* Books with ISBN with details of publishers:  
Prof. N. H. Shah : **3**
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International SocialSciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average : **830 (NHS: Citation Index)**
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated : NIL
24. Areas of consultancy and income generated : NIL

25. Faculty selected nationally / internationally to visit other laboratories / Institutions / industries in India and abroad : NIL
26. Faculty serving in
- a. National committees : Dr. N. H. Shah- DAE-PDF-TIFR
  - a. International committees : NIL
  - b. Editorial Boards : Dr. A. K. Desai, Dr. N. H. Shah, Dr. S. K. Patel
  - c. any other (please specify) : Some National Confidential Exam Work  
Dr. A. K. Desai, Dr. N. H. Shah, Dr. N.P. Shrimali, Dr. S. K. Patel
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
- Faculty recharging is continuously done through all the instruments such as UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes.
  - In fact most of the faculty members also have been rendering their services as resource persons in such Programmes.
28. Student projects
- a. percentage of students who have done in-house projects including inter-departmental projects
    - 100 % in-house projects by M. Sc. Semester-IV students.
    - 2% in-house projects by M. Sc. Sem-I/II/III students.
    - 100 % in-house projects by M. Phil. students.
    - 100 % in-house projects by Ph. D. students.
  - b. percentage of students doing projects in collaboration with other universities/industry /institute : NIL
29. Awards / recognitions received at the national and international level by
- a. Faculty : Dr. N. H. Shah AIMS-International 2011
  - b. Doctoral / post-doctoral fellows: Nil
  - c. Students: Nil
30. Seminars / conferences / workshops organized and the asource of funding (national / international ) with details of outstanding participants, if any. : 11
31. Code of ethics for research followed by the departments

32. **Student profile Programme-wise** : (The following figures are approximate average for the period 2007-2014)

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc.	150	45%	55%	70%	75%
M. Phil.	12	50%	50%	100%	100%
Ph. D.	15	70%	30%	100%	100%

33. **Diversity of students** : (The following figures are approximate average for the period 2007-2014)

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Sc.	95%	4.5%	0.5%	0%
M. Phil.	75%	25%	0%	0%
Ph. D.	60%	40%	0%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET : 4, GATE : 1, NBHM Scholarship : 1

35. **Student progression**

Student progression	Percentage against enrolled
UG to PG	Not relevant as we don't have UG Programme
PG to M.Phil.	About 8%
PG to Ph.D.	About 3%
Ph.D. to Post-Doctoral	---
Employed	
• Campus Selection	
• Other than Campus Recruitment	40%
Entrepreneurs	15%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	83%
from other universities within the State	17%
from universities from other States	0%
from universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : 1 Ph.D. (Dr. N. P. Shrimali)

38. Present details of departmental infrastructural facilities with regard to

- a. Library : (Departmental)
  - About 400 books donated by alumni
  - Mathematical Intelligencer through NBHM
  - Back volumes of American Mathematical Monthly
  - Departmental Library is completely handled by students' volunteers under the guidance of office and teachers.
- b. Internet facilities for staff and students
  - All the faculties and office have individual internet connectivity.
  - Students have a controlled access through LAB.
- c. Total number of class rooms. : 3 in use + 1 can be arranged on necessity
- d. Class rooms with ICT facility : 2
- e. Students' laboratories : 1 (Computer Lab)
- f. Research laboratories : NIL

39. List of doctoral, post-doctoral students and Research Associates

- a. from the host institution/university
 

<ol style="list-style-type: none"> <li>1. Dr. Vasudha Warrior (Advisor)</li> <li>2. Dr. Ajay S. Gor (Advisor)</li> <li>3. Dr. Vandana Dixit</li> <li>4. Dr. Niketa J. Mehta</li> <li>5. Dr. Ravi M. Gor</li> <li>6. Dr. Hardik Soni</li> <li>7. Dr. Baharul Islam</li> <li>8. Dr. Poonam Mishra</li> <li>9. Dr. Bhavin J. Shah (Advisor)</li> <li>10. Dr. Manisha K. Parikh (Advisor)</li> <li>11. Dr. Kunal T. Shukla (2011)</li> <li>12. Dr. Nidhi D. Raykundaliya (2011)</li> </ol>		<p><b>New Research Scholar</b></p> <ol style="list-style-type: none"> <li>1. Digesh B. Shah (2012)</li> <li>2. Dushyant G. Patel (2012)</li> <li>3. Jyoti Gupta (2012)</li> <li>4. Mahesh A. Yeolekar (2012)</li> <li>5. Panchal Jignabahen Vijaykumar (2012)</li> <li>6. Sanyasi Devendranath R Nath (2012)</li> <li>7. Joshi Jeegarbhai Arvindbhai (2012)</li> <li>8. Gajjar Sachin (2013)</li> </ol>
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- b. from other institutions/universities
1. Dr. Chetan Jhaveri (2012) (KSV University) (Co-author)
  2. Dr. Amisha R. Patel (2012) (Ganpat University)
  3. Dr. Isha Sangal (2012) (Banasthali University) (Co-author)
40. Number of post graduate students getting financial assistance from the university. : NIL
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : No
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
    - Most of the faculties get involved in curriculum design / change so their feedback is utilized.
  - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
    - Teachers are invited to go through the Students' feedback forms. 50% of the teaching staff takes advantage of this exercise.
  - c. alumni and employers on the Programmes offered and how does the department utilize the feedback?
    - Department Alumni Association (GUDMAA) came in to existence since 2011. It is planned to get their feedback on curriculum.
43. List the distinguished alumni of the department (maximum 10)
- | <u>Prior to 2007</u>                                 | <u>After 2007</u>                     |
|--|---------------------------------------|
| 1. O. K. Gupta (US)                                  | 1. Patel Savan (SPU)                  |
| 2. Dr. Shashi Ranjan Yadav (VC – IITE Gandhinagar)   | 2. Harsh Trivedi (IIT-Mumbai)         |
| 3. Harekrishna Patel (ISI Calcutta)                  | 3. Shikha Shah (USA)                  |
| 4. Prof. H. C. Patel (Registrar- Gujarat University) | 4. Mahaveer Shekhavat (Surendranagar) |
| 5. Madhavi Divetia (TIFR)                            | 5. Maheshwari Bhumika                 |
| 6. S. K. Patel (Edinburgh Uni., UK)                  |                                       |
| 7. Anima Nagar (IIT, Delhi)                          |                                       |
| 8. Ajit Suthar (IIT, Kanpur)                         |                                       |
| 9. V.D.Thakkar (Reliance Info. Sols)                 |                                       |
| 10. Prakash Dabhi (SPU)                              |                                       |
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.
- About 10 Special lectures for the benefits (student enrichment) of the students were arranged in this period.
  - Latex workshops are regular phenomena for last four years. They are

mainly for student enrichment. We also invite other close friends who have shown their eagerness for LaTeX acquaintance.

- Three seminars were arranged (State, National, and International (Jointly with Statistics Dept.)) in this period.
- Seminars by students have become regular phenomena. Each student is supposed to give a 30 min. Seminar on a pre-assigned topic. Students make preparations availing the guidance from a mentor allotted to them in each semester. The detailed time table is arranged well in advanced in the beginning of the semester. They are assessed for 30 internal marks for a paper in each semester on the basis of this seminar. Along with this they earn marks out of 5 for each paper on the basis of their performance at these seminars. We take pride in announcing that this has worked well. We infer this fact both from students as well as teachers' feedback.

45. **List the teaching methods adopted by the faculty for different Programmes.**

- In M.Sc. Programmes mainly lecture system with Chalk-and-duster is adopted. However occasional ICT use is also done. The seminars by students form the integral part of teaching at M. Sc. In semester-IV projects are also included as teaching methods.
- M.Phil. being a small group instead of lecture system we adopt more of conversational style. Of course the use of ICT is more frequent here.
- At Ph.D. level we rely more on discussions and students seminars.
- The use of Models is also done by several Teachers.
- On appropriate occasions Role Play, Presentation, Debate, Assignment, Group Discussion are also adopted.

46. **How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?**

- Discussions at formal as well as informal meetings of the staff.
- Also, we go through students' feedback very critically to know the above aspect.
- All sensitive teachers get good feedback from the exams that they take.

47. **Highlight the participation of students and faculty in extension activities.**

- Students work enthusiastically in all such activities under the guidance of teachers. Teachers share such work. Different teachers are assigned different work depending on their liking and ability for that work which is judged by the HEAD.
- Students as well as faculty take part enthusiastically in all activities announced by University or the department such as Cyclothon, General lectures/lecture series, orientation Programme for the use of library, Sports-day, Youth activities, Cultural events, departmental housekeeping including cleaning, etc.

48. Give details of “beyond syllabus scholarly activities” of the department.
- Deserving students are encouraged to take part in Teachers Day Programme which is a very regular Programme of the department. Some of them are asked to take part in GGM (Gujarat Ganit Mandal) conferences. Many students take part in Science Excellence Programmes. Also we encourage deserving students to take part in National Programmes like MTTTS and summer Programme at HRI. Every year about five to seven scholars are recommended to take part in UGC-NET exam preparation workshop at SPU.
  - A deserving candidate (like Savan Patel) was given special attention so that his real talent comes out. We think that this special care was instrumental in his achievement of clearing NET while he was in the final semester. He could also solve (with the guidance of Dr. S. K. Patel) a problem from an internationally known magazine published by MAA (Mathematical Association of America).
  - Due to the active encouragement of the department Mr. Kishan Patel got NBHM scholarship (Rs. 4000 p.m.) for his M. Sc. studies in 2008.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The written documents (Research Papers, Books and Dissertations) are of course some of the main instruments through which knowledge is generated.
  - Many seminars/projects documents have a good potential which can be easily converted in to new knowledge. However this is not done by some of my colleagues, sometimes underrating their own work.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths :**
- Depth of knowledge of all the faculties,
  - Diversity of Interests of colleagues,
  - Mr. Rohan Shah’s (Office Assistant) enthusiasm to learn new things and his attitude.
  - Attitude and work culture of almost all colleagues.
  - Student-Teacher bonding and Student oriented discipline
- Weakness :**
- Unwillingness of publishing too much by most of the colleagues,
  - Not compromising the quality of the work (Most colleagues),
  - Most of the colleagues are averse to coming closure to administration,
  - We get very weak students (most of my colleagues complain of poor teaching at UG)

- Poor infrastructure

**Opportunities :**

- So far department has not been involved in any major non-academics activity. So we have all the opportunities to concentrate on our work.
- The freedom the university provides is a great opportunity for individuals to progress.
- The atmosphere and healthy traditions laid down by some of the past Heads is a great opportunity for most of the colleagues.
- Very good collection of old books (classics) in the library is a great opportunity for students as well as faculty.
- The very encouraging and beautiful natural environment which surrounds us with rich flora and fauna is also a great opportunity to be associated with this university.

**Challenges :**

- To perform yet better amidst all the usual load of work and administrative hurdles...
- To make students learn more mathematics and develop mathematical maturity...
- Not lowering down the standards in the mad race encouraged by academic administrators' propagation of the adage "publish or perish".
- How to use the money that the university has got through the department...
- How to help the university administration without losing our identity...

52. **Future plans of the department.**

- a) Create an atmosphere and provide enough boosts to youngsters in the faculty so that they take up some research project which is a pressing need of the day...
- b) In the next revision of the syllabus, take an opportunity, so that some irrelevant and difficult courses at M. Sc. are scrapped and more relevant and useful courses (which are helpful to students in clearing the NET/SLET EXAMS) take their place.
- c) Department has so far taken Ph.D. Students who are registered for part time Ph.D. Programme. It is now a need of the department that some students join in the full time Ph.D. Programme.
- d) Try hard so that department money (mainly Higher fees Programme money) are fully utilised.
- e) In order to cater to the future needs of PG Programmes, try to offer PG EXTERNAL (NOT M.A. EXTERNAL) WHEREIN MIGRATION TO AND FROM THE REGULAR COURSE IS POSSIBLE. (this is also motivated from the real need of students like a village boy Jemu of Una-Junagadh( the whole story may be narrated.)) . Also it should not be totally like M.A. External where-in there is no counselling.



## 21. Department of Microbiology

1. Name of the Department :**Microbiology and Biotechnology**
2. Year of establishment :**1976 (Biotechnology in 2005)**
3. Is the Department part of a School/Faculty of the university?**Yes as part of School**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**PG, M.Phil., Ph.D.**
5. Interdisciplinary Programmes and departments involved**01 - Biotechnology (multidisciplinary)**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.**01 Clinical Research with Shivrath Clinical Research Centre**
7. Details of Programmes discontinued, if any, with reasons-**No-**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System**Semester**
9. Participation of the department in the courses offered by other departments **Yes in M.Sc. Life Science, M.Sc. BMTC, M.Sc. Environmental Science**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	01	01	02
Associate Professors	01	01	01
Assist. Professor	03	01	01
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Prof. S. R. Dave	Ph.D.	Director, SOSHOD	Environmental Microbiology	34	10 Ph.D. 12 M.Phil
Prof. M.S. Saraf	Ph.D.	Professor	Agricultural Microbiology	21	04 Ph.D. M.Phil. 14
Dr. B.V. Patel	Ph.D.	Asso. Prof.	Soil Microbiology	30	01 M.Phil.
Dr. D.R. Tipre	Ph.D.	Asst. Prof.	Geomicrobiology	08	11 M.Phil.

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors **None**
13. Percentage of classes taken by temporary faculty – Programme-wise information **No temporary faculty**
14. Programme-wise Student Teacher Ratio **Microbiology 25:1; Biotechnology 15:1**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual **02 Lab. Asst. sanctioned – 02 filled, 02 Peon sanctioned - 01 filled**
16. Research thrust areas as recognized by major funding agencies **Environmental, Geo and PGPR Microbiology, Microbial Diversity**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

**As Principal Investigator :**

Faculty	Funding Agency	Title	Cost (Rs. In lakhs)	From	Upto
Prof. S. R. Dave	DBT	Biotransformation of arsenic and arsenopyrite and its application (BT/PR4595/BCE/08/323/2003)	19.25	5.10.04	30.4.08
	GSBTM	Studies on biotechnology of heavy metals	24.0	1.4.05	30.9.09

	DST	Microbiology of Rajpardi lignite mine of Gujarat and its environmental and commercial applications	17.78	20.12.05	19.12.10
	GMDC	Bioleaching of base metal concentrate by <i>Leptospirillum ferrooxidans</i>	20.0	26.3.07	19.6.12
	Krishi Vikas Kendra	Development of biofertilizer strains	1.30	1.7.06	31.3.07
	GSBTM	Biotechnological recovery of metals from selected e-waste	19.97	6.4.11	5.4.14
	Ministry of Earth Sciences (ESSO)	Prokaryotic diversity and metal fluxes at selected site of Saurashtra and Gulf of Khambhat coastal ecosystem	43.996	3.3.14	2.3.17
<b>Prof.M.S. Saraf</b>	BP International	The use of Plant Growth Promoting Rhizobacteria for establishments of Biofuel plant – <i>Jatropha Curcas</i> .	45.0	17.8.07	30.6.14
	GUJCOST (DST)	Evaluation of biofortified formulations to study ISR in plants	5.50	2014	2016
<b>Dr.D.R. Tiple</b>	GSBTM	Bacterial diversity study of thermal springs of Gujarat and screening of selected thermozyms	18.805	4.3.13	3.3.16

**As Co-Investigator :**

<b>Faculty</b>	<b>Funding Agency</b>	<b>Title</b>	<b>Cost (Rs. In lakhs)</b>	<b>From</b>	<b>Upto</b>
Prof.S.R. Dave	GSBTM	Bacterial diversity study of thermal springs of Gujarat and screening of selected thermozyms	18.805	4.3.13	3.3.16
Prof.M.S. Saraf	DST	Carbon sequestration potential of <i>Albizia lebbeck</i> in intercropping and co-cultivation systems with economic crops and plant growth promoting microorganisms	35.0	4.4.13	3.4.16
Dr.D.R. Tiple	GSBTM	Biotechnological recovery of metals from selected e-waste	19.97	6.4.11	5.4.14

	Ministry of Earth Sciences (ESSO)	Prokaryotic diversity and metal fluxes at selected site of Saurashtra and Gulf of Khambhat coastal ecosystem	43.996	3.3.14	2.3.17
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**As Mentor :**

Faculty	Funding Agency	Title	Cost (Rs. In lakhs)	From	Upto
Prof.S.R. Dave	DST (WOS)	Isolation and characterization of organic solvent tolerant lipolytic enzymes	23.80	9.3.11	8.3.14
	DST (WOS)	Biodegradation of acidic azo dyes and their industrial waste	14.76	3.3.11	2.3.14
	UGC PDF to SC/ST candidate	Enhancement of biodegradation by molecular manipulation in dye degrading bacteria	5.592	1.7.11	30.6.13
	DBT BioCARE	Biotransformation of castor oil into desired fatty acids for their uses and applications	22.10	23.7.12	22.7.15
	DBT BioCARE	Microbial production of bioactive compound stilbenes: resveratrol, viniferin, picied and Ampelopsin	29.997	9.9.13	8.9.16
	DST WoS	Bacterial degradation of selected metal complex acid dyes and its effluent	9.20	3.3.14	2.3.17
Prof.M.S. Saraf	DST (WoS)	PGPR based ecofriendly disease management strategies for control of soil borne plant pathogens	18.0	2011	2014
	DBT BioCARE	Unravelling structure and optimization of siderophore production from rhizobacteria for their biocontrol potential and .....	20.0	2014	2017

**18. Inter-institutional collaborative projects and associated grants received**

- a) National collaboration      b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **DBT, GSBTM, ESSO : Rs. 221.618 lakhs**
20. Research facility / centre with
  - a. state recognition **Yes**
  - b. national recognition **Yes**
  - c. international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies **GMDC**
22. Publications :
  - \* Number of papers published in peer reviewed journals (national /international) : **58**
  - \* Monographs : **01**
  - \* Chapters in Books : **19**
  - \* Edited Books : **02**
  - \* Books with ISBN with details of publishers : **02**
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International SocialSciences Directory, EBSCO host, etc.) **55**
  - \* Citation Index – range / average : 0 to 25 average 02
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average 0.5 to 5.5 average 1.5
  - \* h-index **40**
23. Details of patents and income generated : 3 patents are published. Income generated none.
24. Areas of consultancy and income generated : **Not applicable**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad **Nil**
26. Faculty serving in
  - a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify) **DBT Biosafety, GSBTM, GUJCOST, UGC various national and international journals**
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). **All faculties update themselves as per the requirements.**

28. **Student projects**
- percentage of students who have done in-house projects including inter-departmental projects **95%**
  - percentage of students doing projects in collaboration with other universities /industry / institute **5%**
29. **Awards / recognitions received at the national and international level by**
- Faculty **Yes**
  - Doctoral / post doctoral fellows **Yes**
  - Students **Yes**
30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. : 03**
31. **Code of ethics for research followed by the departments Biosafety norms are followed and ethics as per the university rules is followed**
32. **Student profile Programme-wise :**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Microbiology	350 / year	10%	90%	100%	100%
M.Sc. Biotechnology	200/ year	20%	80%	100%	100%
M.Phil. Microbiology	15 / year	10%	90%	90%	90%
Ph.D. Microbiology	40 – 60 / year	10%	90%	100%	100%

33. **Diversity of students**

Name of the Programme (refer to question no. 4)	% of Students from the Same university	% of students from other Universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Microbiology	90%	5%	5%	As per HRD nomination
M.Sc. Biotechnology	90%	5%	5%	
M.Phil. Microbiology	No restriction as per the merits and eligibility			
Ph.D. Microbiology	No restriction as per the merits and eligibility			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Civil Services: 02; Defense Services: 01, NET: 07; SET: 02; GATE: 10

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	15 - 20%
PG to M.Phil	10%
PG to Ph.D.	2 - 10%
Ph.D. to Post- Doctoral	1%
Employed	
• Campus Selection	30 - 40%
• Other than recruitment	30 - 50%
Entrepreneurs	1%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	75%
Deom other universities within the state	-----
From universities from other sates	25%
Feom universities outside the country	-----

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **Nil**

38. Present details of departmental infrastructural facilities with regard to Library **1000 books**

Internet facilities for staff and students **Yes**

Total number of class rooms **02**

Class rooms with ICT facility **01**

Students' laboratories **04**

Research laboratories **04**

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university Doctoral: **20**

b. from other institutions/universities : **05**

40. Number of post graduate students getting financial assistance from the university. **Nil**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. **Yes as per university norms**
42. Does the department obtain feedback from
  - a.) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Yes, accordingly teaching methods are improved; dissertation are given**
  - b.) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Take students feedback and industrial feedback for syllabus**
  - c.) alumni and employers on the Programmes offered and how does the department utilize the feedback? **Called for visiting lectures in their specialized area of microbiology**
43. List the distinguished alumni of the department (maximum 10) :  
Dr. B.V. Patel, Assoc. Professor; Dr. D. R. Tiple Assit Professor; Dr. maitry Shah – Global General Manager Pall Filters; Dr. Ajit Menon General Manager, Aristro; Dr. Mitesh Patel Concord Pharmaceutical; Dr. Srinivas Murty, Professor, Gujarat Vidhyapeeth, Dr. Bhargav Patel, Assit Prof, Foren Sci Uni; Mr. Nikhil Bhrambhatt, FSL Head Genetic Div; Dr. Parveen Ansari FSL Bhavnagar
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. Regular invited lectures are arranged from industries, research institutes within Gujarat and outside Gujarat.
45. List the teaching methods adopted by the faculty for different Programmes. Use of overhead projector, LCD, Interactive board, Animations, Internet, quiz, GD
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? Regular Group discussion, theory and practical exams, industrial visits and interactions with research fellows
47. Highlight the participation of students and faculty in extension activities. Organizing public talks, sports, celebrating various days, plantation
48. Give details of “beyond syllabus scholarly activities” of the department. Attending seminars and conference state, regional, national and international; industrial visits
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. **No**



50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Process are developed for environmental clean-up and sustainability.
2. Process are developed for biofuel production from agri-waste.
3. Whole genome of *Acidithobacillus ferrooxidans* was done for departmental isolates.
4. More than 100 departmental microbial isolates are deposited in BioGene GSBTM, Gandhinagar.
5. Potential biofertilizers microbes supplied to for commercialization.
6. Microbial consortia are developed for enhanced crop productivity.
7. Process are developed for metal recovery and remediation.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength :** Efficient staff; International recognition in the areas of agriculture microbiology, environmental microbiology, geo microbiology and industrial microbiology

**Weakness :** Insufficient teaching and non-teaching staff; scarcity of infrastructure; poor student teacher ratio

**Challenges :** To manage day to day functioning due to limited human resource and infrastructure

52. Future plans of the department.

To develop following field of excellence at the department : Geomicrobiology for the utilization of minerals and isolation of extremophilic organisms and their applications

- Development of efficient PGPR cultures and their field applications
- Bioprocessing of e-waste
- Elucidation of marine bacterial diversity and their applications
- Infrastructure development

## 22. Department of Physics

1. Name of the Department :**Physics**
2. Year of establishment **1959**
3. Is the Department part of a School/Faculty of the university : **University School of Sciences, Gujarat University**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :  
M. Sc. (Physics), M. Sc. (Electronics), M. Phil. (Physics), Ph. D. (Physics), Ph. D. (Electronics) – since 2012, Advanced Post Graduate Diploma in Space Science (2005 - 2009), Advanced Post Graduate Diploma in Geoinformatics and satellite communications (2009 – 2012)
5. Interdisciplinary Programmes and departments involved : **NO**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :**No**
7. Details of Programmes discontinued, if any, with reasons  
Advanced Post Graduate Diploma in Space Science (2005 – 2009) – Restructured as Advanced Post Graduate Diploma in Geoinformatics and satellite communications (2009 – 2012) which was also discontinued due to less number of students’ application.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System  
Semester / Choice Based Credit System : Semester
9. Participation of the department in the Courses offered by other departments :  
None
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filles</b>	<b>Actual (including CAS &amp; MPS)</b>
Professors	4	1	2
Associate Professors	8	4	6
Asst. Professors	6	4	1
Others	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students guided for the last 4years
Prof. P. N. Gajjar	M. Sc., Ph.D., M.Phil	Professor & Head	Computational Condensed Matter, etc...	23	24
Prof. R.B. Jotanis	M.Sc., Ph.D.	Professor	Material Science, etc...	24	15
Dr. P. D. Lele	M.Sc., Ph.D.	Asso. Prof.	Ionspheric Physics, etc...	28	8
Dr. M. E. James	M.Sc., Ph.D.	Asso. Prof.	Atmospheric Physics	24	4
Dr. Deepti Tripathi	M.Sc., Ph.D.	Asso. Prof.	Semiconductor Electronics & microwaves	23	6
Dr. P. R. Vyas	M.Sc., Ph.D.	Asso. Prof.	Theoretical Condensed Matter Physics	26	9
Dr. V. A. Rana	M.Sc., Ph.D.	Asso. Prof.	Microwave Dielectrics	26	11
Dr. U. S. Joshi	M.Sc., Ph.D.	Asso. Prof.	Experimental Condensed Matter Physics, etc...	20	16
Dr. S. M. Vyas	M.Sc., Ph.D.	Asst. Prof.	Experimental Condensed Matter Physics		7

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL
13. Percentage of classes taken by temporary faculty – Programme-wise information : NIL

14. Programme-wise Student Teacher Ratio : **28.5 : 1**

There are 9 faculty members who are common to following Programmes of the department

- (i) M. Sc. (Physics)
- (ii) M. Sc. (Electronics)
- (iii) M. Phil. (Physics)
- (iv) Ph.D. (Physics)
- (v) Ph.D. (Electronics)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled
Academic support staff (technical)	5	1
Administrative staff	2	2

16. Research thrust areas as recognized by major funding agencies :  
Condensed Matter Physics

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Prof P. N. Gajjar Coordinator	FIST LEVEL - I 2007-2012	Rs. 91 Lakh	DST, New Delhi
Prof P. N. Gajjar Coordinator	DRS-SAP-I 2011-2015	Rs. 64 Lakh	UGC, New Delhi
Prof R.B.Jotania	'SHI induced modification in ferrites and ferrite-polymer composites' 2013-2016	NIL	University Acceleration Centre (IUAC), New Delhi
PI -Dr. P.D. Lele Co PI- Dr M.E. James	ISRO SARAL - AltiKa Development of geo-physical parametric retrieval algorithms & study over Indian tropical region 3 Years 2011 - 2014 (Now extended 1 more year)	Rs 9 Lakh For extension year Approx Rs 2.5 Lakhs	SAC (ISRO)

Dr Utpal S Joshi	Investigations on some epitaxial oxide heterostructures for resistive random access memory applications 2011-2014	Rs. 34,74,250/-	Department of Atomic Energy, Government of India (DAE-BRNS)
Dr Utpal S Joshi	Elucidation of SHI induced memristive switching in oxides and polymer heterostructures for RRAM applications 2011-2014	Rs. 7,23,000/-	Inter University Accelerator Centre, (formally NSC) New Delhi, India

18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Prof P. N. Gajjar Coordinator as a Head	FIST Level – I 2007 -2012	Rs. 91 Lakh	DST, New delhi
Prof P. N. Gajjar Coordinator	DRS-SAP-I 2011-2015	Rs. 64 Lakh	UGC, New Delhi
Prof P. N. Gajjar Coordinator	Infrastructure Grant 2011	Rs. 20 Lakh	MHRD-UGC, New Delhi

20. Research facility / centre with  
 state recognition                      **None**  
 national recognition                      **None**  
 international recognition                      **None**
21. Special research laboratories sponsored by / created by industry or corporate bodies :**None**

22. **Publications :**
- \* Number of papers published in peer reviewed journals (national /international) **210**
  - \* Monographs **NIL**
  - \* Chapters in Books **NIL**
  - \* Edited Books **3**
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International SocialSciences Directory, EBSCO host, etc.)  
Bibliography : **04**, Database : **122**
  - \* Citation Index – range / average **3 to 598**
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average **0.17 to 2.562**
  - \* h-index (Avg)**4.5**
23. **Details of patents and income generated****NIL**
24. **Areas of consultancy and income generated****NIL**
25. **Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad****NIL**
26. **Faculty serving in**  
a) National committees b) International committees c) Editorial Boards d) anyother (please specify) : **All Faculties**
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). :
28. **Student projects**
- \* percentage of students who have done in-house projects including inter-departmental projects  
**M.Sc. (Physics) : 100%, M.Sc. (Electronics) : 90%**
  - \* percentage of students doing projects in collaboration with other universities/industry / institute  
**M.Sc (Electronics) : 10%**
29. **Awards / recognitions received at the national and international level by**  
- Faculty - Doctoral / post doctoral fellows - Students  
**Majority of the faculties**

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

<b>Seminars / Conferences / Workshops organized</b>	<b>Duration</b>	<b>Source of Funding</b>
Microwave 2007: Microwaves and its application	21 <sup>st</sup> January 2007	GUJCOST & Gujarat University
Science Excellence	9 <sup>th</sup> January 2011	Gujarat University
One Day Seminar On Current Trends in Physics	21 <sup>st</sup> March 2010	INSA
Gujarat Science Congress, Ahmedabad (Physics Session)	21 <sup>st</sup> March 2010	Gujarat Science Academy
Science Excellence (Physics Session)	8 <sup>th</sup> January 2011	Gujarat University
National symposium on Advances in Materials Science and Technology (AMST-2012)	3 <sup>rd</sup> & 4 <sup>th</sup> February 2012	DST , UGC (DRS-SAP) .GUJCOST
Science Excellence (Physics Session)	4 <sup>th</sup> January 2011	Gujarat University
Technical Workshop on Semiconductor Measurement Challenges	1st March 2014	Tektronics

31. Code of ethics for research followed by the departments : **As per the University Norms**

## 32. Student profile Programme-wise:

Name of the Programme (refer to question no. 4)	YEAR	Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female
M.Sc (Physics)	2007-08		46	17		
	2008-09		33	25		
	2009-10		29	32		
	2010-11		39	24		
	2011-12		25	34		
	2012-13		35	45		
	2013-14		31	43		
M.Sc (Electronics)	2007-08		9	6		
	2008-09		3	12		
	2009-10		8	7		
	2010-11		4	10		
	2011-12		16	13		
	2012-13		20	15		
	2013-14		18	12		
M.Phil. (Physics)	2007-08		3	6		
	2008-09		6	2		
	2009-10		5	8		
	2010-11		1	2		
	2011-12		nil	nil		
	2012-13		6	5		
	2013-14		2	5		
Ph.D. (Physics)	2007-08		nil	nil		
	2008-09		nil	nil		
	2009-10		1	1		
	2010-11		7	5		
	2011-12		nil	nil		
	2012-13		7	10		
	2013-14		4	1		
Ph.D. (Electronics)	2012 – 13		2	Nil		
	2013 – 14		Nil	Nil		



## 33. Diversity of students

Name of the Programme (refer to question no. 4)	Year	% of students from the same university	% of students from the universities within the state+% of students from the universities outside state	% of students from the other university
M.Sc (Physics)	2007-08	95%	3%	2%
	2008-09	95%	3%	2%
	2009-10	95%	5%	----
	2010-11	95%	5%	----
	2011-12	95%	5%	----
	2012-13	95%	5%	----
	2013-14	95%	5%	----
M. Sc. (Electronics)	2007-08	95%	5%	----
	2008-09	95%	5%	----
	2009-10	95%	5%	----
	2010-11	95%	5%	----
	2011-12	95%	5%	----
	2012-13	95%	5%	----
	2013-14	95%	5%	----
M. Phil (Physics)	2007-08	95%	5%	----
	2008-09	95%	5%	----
	2009-10	95%	5%	----
	2010-11	95%	5%	----
	2011-12	95%	5%	----
	2012-13	95%	5%	----
	2013-14	95%	5%	----
Ph. D. (Physics)	2007-08	95%	5%	----
	2008-09	95%	5%	----
	2009-10	95%	5%	----
	2010-11	95%	5%	----
	2011-12	95%	5%	----
	2012-13	95%	5%	----
	2013-14	95%	5%	----
Ph. D. (Electronics)	2012- 13	955	5%	---
	2013- 14	95%	5%	---

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET 07, SLET 04

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	N.A.
PG to M. Phil	20%
PG to Ph. D.	15%
Ph. D. to Post-Doctoral	---
Employed <ul style="list-style-type: none"> <li>• Campus Recruitment</li> <li>• Other than campus recruitment</li> </ul>	100%
Ntrepreneurs	---

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	33.3
From other universities within the State	44.4
From universities from other States	22.2
Universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **NONE**

38. Present details of departmental infrastructural facilities with regard to

a. Library: **Facility of E-Journals through INFLIBNET**  
**: Total No of Books in Departmental Library - 2325**

- b. Internet facilities for staff and students

Physics department has good computer facilities with more than 50 PCs. University has provided to us the internet facilities through fiber linked intranet. Each faculty member have computer in his/her cabin with internet connectivity and printer. Computational Physics laboratory is equipped with more than 10 computers with internet facility for research students. Each M.Sc. laboratory has two or more computers with internet facility and required software and all three labs are supported by UPS. Geoinformatics laboratory have nine computers with internet access and software such as IGIS, ArcGIS. Each research labs have two or more computers so that all Ph.D. and M.Phil. students has access to computers and internet. INFLIBNET connectivity is provided through university network.

- c. Total number of class rooms      **4**
- d. Class rooms with ICT facility      **2**
- e. Students' laboratories              **4**
- f. Research laboratories                **9**

39. List of doctoral, post-doctoral students and Research Associates

a. from the host institution/university

Name of the course	Specialization	Student Intake
Ph.D.(Physics)	Condensed Matter Theory	12
Ph.D.(Physics)	Condensed Matter Experimental	09
Ph.D.(Physics)	Material Science	05
Ph.D.(Physics)	Microwave Dielectrics	05
Ph.D.(Physics)	Atmospheric Physics	04
Ph.D.(Electronics)	Solid State Devices & Solar Cells	02

b. from other institutions/universities : **NIL**

40. Number of post graduate students getting financial assistance from the university.

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : NIL

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes

The department utilizes the feedback in restructuring the syllabus by introducing relevant courses.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The department utilizes the feedback by students for modifying the curriculum according to the requirement of industries and other national level competitions.

c. alumni and employers on the Programmes offered and how does the department utilize the feedback?

To give more emphasis for placement.

43. List the distinguished alumni of the department (maximum 10)

\* Dr. P. P. Kale, Director, SAC (ISRO) (Retired)

\* Dr. J. N. Desai, Sr, Scientist, PRL, (Retired)

- \* Prof. Vikram Mehta, President & Executive director, Center for research on the Changing earth systems, Maryland, USA
- \* Prof. A. R. Jani, Head, Physics Dept., S.P. University, (Retired)
- \* Prof. A. N. Joshipura, Sr. Scientist, PRL (Retired)
- \* Prof. S. P. Bhatnagar, Head, Physics Dept, Bhavnagar Univ.
- \* Prof Dheeraj Bhora
- \* Dr. Amita Mehta, NASA-Goddard Space Flight Center and University of Maryland - Baltimore County, USA

44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts.
- Students are being encouraged to participate in the seminars held in department.
  - Students are being encouraged to participate in “Science Excellence” which is now annually organized by Gujarat University
  - Students are being encouraged to attend the special lectures arranged in the department by visiting scientists.
45. List the teaching methods adopted by the faculty for different Programmes.
- Class room teaching
  - Laboratory Teaching
  - Power Point Presentation
  - Seminars
  - Video Programmes
  - Project Designing
  - Assignments & Quizzes
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?  
Continuous evaluation through various examinations
47. Highlight the participation of students and faculty in extension activities.
- Blood Donation
  - Tree Plantation
  - Relief work during National Disaster
48. Give details of “beyond syllabus scholarly activities” of the department.
- **Summer training Programme at IPR, PRL, IUUCA and ISRO**
  - **Projects at Industries and national Institutes**
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : NO

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. ----
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

- The department is recognized at national and international level through the publications made by the faculties in renowned journals.
- The department is being represented strongly at various national and International conferences by its faculty members
- The department has successfully completed FIST Level-I.
- DRS-SAP-I is running successfully.
- Many projects under individual faculties are completed and also running successfully.
- Department is successfully running Two PG courses, one M. Phil. course and Ph. D in two subjects. A large number of students are being benefitted by this.

**Opportunities :**

- With national institutes in the vicinity the student are getting benefitted.

**Challenges / Threats :**

- Less number of teaching, technical and administrative staff.
- Infrastructure facilities.
- Increasing Student teacher ratio.
- With the increasing student teacher ratio, is really challenging to maintain the quality of education.

52. Future plans of the department.

**Teaching:**

We have introduced semester system for both in M.Sc. PHYSICS & M.Sc. ELECTRONICS causing the hike in student intake.

**M.Sc. Laboratories :**

We have 80 independent experimental setups in our labs with almost all experiment sets duplicated in order to teach this large number of students. Equipment of about half of these experiments has to be replaced in five years due to wear tear.

Syllabus revision is a continuous and ongoing activity. New Experiments have to be set up and also New Laboratories. We plan to develop Photolithography Laboratory, set up New Experiments in Radio Communication, set up experiments in GPIB Computer Interfacing with Sensors & Actuators, Hardware & Software based Simulation Experiments and Software based Experiments in Computational Physics.

### **Project Work:**

M.Sc. Physics students have Compulsory Project Work in last two semesters.

M.Sc. Electronics students have Compulsory Project Work in all four semesters.

Thus about 230 M.Sc. Students are doing Project Work in the Department every year.

This activity of Project Work provides an opportunity for students to interact with Research Students, develop team spirit and learn latest experiments used in research. They are groomed

in research areas of their interest. Some of them join research projects while some have obtained Research Scholarships after clearing NET/SLET/CSIR exams.

### **M.Phil. :**

There are about 20 students working in department for M.Phil. Physics Degree. The department plans to introduce M.Phil. Program in Electronics with an intake of ten students. This program requires experimental equipment and recurring expenditure towards components, chemicals, sample characterization etc.

### **Seminars, Guest Lectures, Conferences etc.:**

Special Guest Lectures are arranged for students with resource persons from academic institutions as well as industry. Our students make oral & poster presentations at various conferences in India & abroad. They have also won many prizes and awards for their presentations.

### **Innovative Experiments:**

Developing new and innovative experiments for teaching is a continuous process in our labs. Some such experiments have been introduced in our M.Sc. labs. We have also developed such experiments for use at +2 and UG level.

### **Research**

The department has identified CONDENSED MATTER PHYSICS as a major thrust area . Our next five years plan is divided in theoretical/computational and experimental and condensed matter physics activities. The research activities in the areas of Ionosphere and Atmospheric physics are also being taken up.

## 1. Experimental condensed matter physics

The experimental Condensed Matter group in the department working on magnetic particles, composites, functional oxide, nitride materials, wide band gap semiconductors, binary and ternary semiconducting inter-metallic compounds, polar molecules and their binary mixtures in dilute solutions of non-polar solvents, different types of soils and polymers. Followings are the major groups in this areas.

### (a). Material Science Research Group

Hexaferrites are known to be magneto-dielectric, specifically ferrimagnetic materials with hexagonal magnetoplumbite-type crystallographic structure. Hexaferrites become massively important materials commercially and technologically, because of uses and applications. Hexaferrites use as permanent magnets, magnetic recording and data storage materials, components in electrical devices, particularly those operating at microwave/GHz frequencies. The main objective of hexaferrite study is to understand structural, magnetic and dielectric properties.

We have a basic Material science research laboratory where one can synthesis hexaferrite materials as well as their composites using various chemical routes like co-precipitation, sol-gel, Microemulsion, reverse Microemulsion, citrate gel auto combustion. Our Department has facility to carry out low field ac susceptibility measurements from room temperature to 600 °C

In the next five years our plan to study the structural, magnetic and dielectric properties of various ferrite-polymer composites for probable applications like EM absorbers, microwave devices, wireless communications and stealth and RAM (radar absorbing material) technology.

We propose to study the structural, magnetic and dielectric properties of the materials like:

- Barium based hexaferrites with and without polymers .
- Strontium based hexaferrites with and without polymers

At present six students are working on various topics for their Ph. D. and M.Phil Degrees.

### (b) Thin film / Crystal growth/ElectronicsResearch Group

Our research includes synthesis and characterization of various functional oxide, nitride materials and wide band gap semiconductors in thin film and bulk form at nano scales.

We use various techniques in order to grow a crystals. We have grown semiconductor materials using the melt process as well as solution growth method and these crystals are used to study various properties like electrical property, optical property, hardness measurement as well as etching of grown crystals. All these properties is useful to find the structure of material, energy band gap in order to find whether material is conducting or not as well as thin film study of the materials.

We have also demonstrated device fabrication of some resistive random access memory as well as transparent diodes and field effect transistors. Variety of functional material thin films and bulk materials have been investigated/under investigation, which include, pure and substituted wide band gap oxide and nitride compounds for applications in resistance random access memory (RRAM), diluted magnetic semiconductors (DMS), high temperature superconductors, multiferroic compounds and colossal magnetoresistive (CMR) materials. Collaborative work on  $\pi$ -conjugated polymer, such as, pentacene and rubrene based nanostructured OFET devices is in progress. During the next FIVE years we plan to investigate the following :

1. Epitaxial growth of materials is very much necessary for understanding the mechanism involving device performance. We already possess chemical solution deposition and thermal evaporation set ups. However, fabrication of high quality functional oxide and related wide band gap materials and devices require very good control of layer uniformity, thickness, crystalline quality, orientation, as well as stoichiometry. Pulsed laser deposition (PLD) is a unique technique to achieve most of these criteria. We have sufficient expertise of using and maintaining the PLD independently. We propose to set up advanced PLD chamber with KrF excimer laser for the growth of extremely high quality thin film devices of functional materials. Using the concept of combinatorial chemistry, we propose to build a customized Combinatorial Pulsed Laser Deposition system (COMBI-PLD). COMBI-PLD offers a parallel synthesis of a large number of combinations of materials and their doping. It is extremely time, money and energy saving technology. We have a good exposure and expertise in working with COMBI-PLD in an internationally renowned laboratory (Materials and Structures Lab., Tokyo Institute of Technology, Japan). Such a facility would be a unique and cutting edge in the western region of the country. A large variety of functional materials and their devices, mainly semiconductors, would be synthesized using COMBI-PLD system.
2. Wide band gap oxide and nitride semiconductor nanostructures and their devices for various optoelectronic and memory applications. The device characterization at nano-scale would consist of structural, scanning probe, electrical, magnetic and optical property measurements.



3. From the UGC-DRS support, the department has procured UV.-Vis.-NIR Spectrophotometer which has been extensively used by many research students for band gap determination, defect structure investigations, surface and interface related issues of variety of compounds of our interest.
4. From the FIST (Level-I) support, we already possess Atomic Force Microscope (AFM) of Nanosurf AG. But it is a basic set up with limited resolution and having contact and non-contact modes only for surface structure investigations of thin film nanostructures. However, for detailed investigations of devices at nano-scale, tapping-mode or phase contrast mode would be indispensable. Further, for our nano-electronics research, conducting (C-AFM) and scanning capacitance will surely enhance our existing facilities. Using an advanced AFM, we plan to investigate the surface magnetism of nanostructures as well as the temperature dependent magnetic phase transition/domain wall structures of diluted magnetic semiconductors, multiferroics and related magnetic nanostructures. C-AFM is truly nano-scale electrical characterization tool for grain-to-grain I-V measurements. Further for dielectric samples, scanning capacitance AFM would be of great use. For large number of samples, grown using COMBI-PLD, rapid characterization can be done using such a tool.
5. Similar to above case, we do possess a precision constant current source and nano-voltmeter, which form an automated *I-V* measurement procured under the FIST-I support from DST. However, the measurement range is very narrow so many samples can not be characterized with existing set up. From the FIST-II support, we propose to procure precision semiconductor parameter analyzer as a complete solution to electrical characterization. Such a set up will be a state-of-the-art type.
6. There are three faculties working in the area of electro-magnetic characterization of functional materials. The department does not possess any advanced magnetic data acquisition system. For precision account of magnetic ordering, phase transformation etc., magnetization measurements would be key. We propose to procure precision Vibrating Sample Magnetometer (VSM) from the FIST-II support. The versatile VSM would be used in the temperature range from  $5\text{ K} < T < 1273\text{ K}$ . Once again, this facility would enhance our existing R&D activity.
7. X-ray diffractometer (XRD) is most essential characterization tool in any materials sciences laboratory. For any material synthesized in the lab, XRD is a MUST. So far the XRD was done on commercial basis incurring a sizable revenue as recurring expenditure. Moreover, there is always a queue in using commercial facility, which hampers repetition of some

measurements. An advanced XRD is a must for the department which has a trust area of condensed matter physics and materials science. Such XRD will have several features such as thin film attachment, micro-area diffraction etc.. We propose to procure advanced XRD from the FIST-II support.

**(c). Microwave Dielectrics Research Group**

Dielectric study is increasingly being recognized as a tool for materials characterization. The main objective of dielectric study is to understand intermolecular interactions in a molecular system. Dielectric method gives precise information on molecular structure and solute-solute as well as solute-solvent interactions. Dielectric studies on binary mixtures are important for understanding the hydrogen bonding and also inter and intra molecular interactions. In recent past many workers have tried to obtain information regarding inter and intra-molecular interaction in the binary and ternary mixtures of molecular system of industrial, biological and pharmaceutical importance.

We have a basic microwave research laboratory where dielectric and physical properties of varieties of liquids in their pure as well as in their mixed states are studied. Dielectric properties of the soils of different regions of Gujarat state have also been studied. Our Department has facilities to carry out dielectric permittivity measurements of materials at C, J, X and K band microwave frequencies. To support these studies we have procured a precision LCR meter with financial support through DST-FIST (level-1) program. This meter is used to determine the complex permittivity of the materials (liquids as well as solids) in the frequency range 20 Hz to 2 MHz. With the financial support from the DST-FIST we have also developed the facilities to measure the other physical parameters like ultrasonic velocity, density and viscosity etc. of the materials under study.

In the next five years we plan to study the structural and molecular dynamics of the organic as well as in organic materials of industrial, biological and pharmaceutical importance. We propose to study the dielectric and physico-chemical properties of the materials like:

- Surfactants.
- Silicone fluids.
- Soils of the different regions of the state.
- Other organic liquids.
- Polymers

The dielectric behaviour and relaxation studies of polymers are of great interest due to widespread applications in the basic and applied sciences. There has been considerable interest in the properties of biomaterials such as chain dynamics, ionic conduction etc for their use as transdermal drug delivery system (TDDS), pharmaceutical formulations and in other medical applications because of their low toxicity and good water solubility. Hence it is important to understand the dependence of dielectric properties of biologically important polymers on their density, molecular weight and frequency. We plan to carry out dielectric studies of some biologically important polymers and their blends in dilute solution of polar and non polar solvents in different frequency ranges.

The study of dielectric behaviour and conduction mechanism of polymeric films is important due to its widespread application in the field of microelectronics and related areas. Due to the need of electrostatic charge dissipation and electromagnetic shielding new polymeric materials with electrical conductivity are being formulated and so polymeric composites are gaining importance. We plan to study the dielectric properties and electrical conduction mechanism of some polymeric films in different frequency ranges.

Microwave measurements carried out using the present set-up at our department are very slow and time consuming. Furthermore the measurements are done at limited spot frequencies. On the other hand Vector Network Analyzer provides the facilities to carry out the dielectric measurements over a wide range of frequencies in a single measurement. With the wide-band sweepers and under the control of computer, dielectric measurements can be done very accurately over a wide range of frequencies and materials.

In the coming years we plan to enhance experimental capabilities for measurement of dielectric properties of the liquid / solid materials over a wider range of microwave frequencies and wider range of temperatures.

To the best of our knowledge no University in the Gujarat state have facilities to measure dielectric parameters of materials using VNA methods, with frequency over a wide range of frequencies in the microwave region. So if such an instrument is procured it will not only be the centralized facility for the other departments of our university but will also be useful to the other Universities/ colleges of Gujarat State.

## 2. Theoretical / computational condensed matter physics

### (a) Comparative study of Physical properties of ordered and disordered materials:

As we know, computational and theoretical physics play an important role in understanding of many physical properties at ambient condition for metals. Recently, as well as in recent past, much interest and concentration has been developed for better understanding of such physical properties of metals at extreme condition (at high pressure and high temperature). It has been well established fact that pseudopotential has emerged as a powerful tool and the results generated by such theory are comparable with highly sophisticated computationally lengthy first principle methods.

Looking to this, we have developed our own pseudopotential for the transition metals and used it to study large number of static, dynamic and electrical properties. We have also extended our study in the high temperature and pressure region with good degree of success. In our opinion, still there are some areas which can be understood with applicability of pseudopotential theory and first principle methods.

Following points are emerging on which we would like to study based on pseudopotential as well as first principle methods:

1. We would like to generate data book for high pressure studies.
2. We would like to develop proper pseudopotential which is free from any type of parameters and can be used successfully for all the elements of periodic table (from Hydrogen to Uranium).
3. Pseudopotential can be used to study liquid metals. The high temperature and high pressure study of metallic glasses and alloys are also scientific requirement.
4. The nonlocal and non conserving pseudopotentials are free from any kind of parameters and can be used for the better and proper understanding. We would like to develop nonlocal pseudopotentials.
5. The melting curves (pressure melting relation) and shock Hugoniot are most important studies carried out experimentally, very recently. We would like to develop theoretical model which provides better understanding of most complicated phenomenon such as phase transition and melting temperature.

Our group has developed various single parametric local model potentials for studying static, dynamics, vibrational, electronic and magnetic properties of metals, liquid metals, binary alloys, metallic glasses, semiconductors, and semiconductor compounds.

Structural properties of non-crystalline materials are also investigated using our model pseudopotentials with PY, OCP, CHS reference systems. A molecular dynamics technique is also used for structural determination of amorphous materials.

In the next five years we would also like to concentrate on the following aspects:

- (i) Study of some technologically important Invar materials using pseudopotential theory.
- (ii) Study of electronic properties of certain technologically important materials like II-IV, II-V compound, semiconductors compounds and alloys, metallic alloys.
- (iii) Pseudopotential based investigation of certain physical properties of some metallic glasses (binary, ternary, quaternary and other bulk metallic glasses).
- (iv) Elastic properties of Graphene.
- (v) Electronic transport properties of nano-materials.

**(b) Heat Transport at low dimensions:**

Molecular dynamics simulation will be undertaken to study heat transport phenomenon at nano scale. Efforts will be made to put forward thermal devices like thermal diodes, thermal transistors and thermal gates. At low dimensions, to study heat transport through a material is not an easy task because of thermal contacts to be made on nanoscale devices, heat baths and temperature sensors are to be connected at nanoscale. Not only this, the carrier of heat – Phonons is not point particle with definite properties but bundles of energy that have no mass or charge which remains unaffected by electromagnetic field.

Because of some simulation studies, temperature profile, heat flux, thermal conductivity, negative differential thermal resistance, interface thermal resistance, thermal rectification are now known at low dimensions. Very recently, we have engineered exponential mass graded material which works as a better option for thermal rectifier as it produces 70-75% rectification of heat flow (may be treated analogous to muscles). We are also in the process of engineering new materials which may be useful in developing thermal devices. Our results of heat transport in monoatomic, diatomic chain, linear mass graded, exponential mass graded, mass defected chain will be helpful in understanding heat transport mechanism in conducting and non-

conducting polymers/biopolymers, RNA/DNA chains, nanowires, nanotubes, etc.. Such study is useful in designing molecular/nano-heat pumps and nano-thermal devices. Such study may lead to understand heat transport phenomenon in biomaterials. Our future attempts will be to apply present approach to study energy transport in muscles (treating as nanowires), veins and arteries (treating as single/multiwall nanotubes), skin (treating as thin film).

Problem of heat transport is non equilibrium and non linear phenomenon. Some basic work has been carried-out for 1D harmonic and anharmonic chains. We have used free as well as fixed boundary conditions to study heat conduction. Two heat baths (stochastic and deterministic) are used to maintain the constant temperature at ends of the chain. FPU/ FK/ LJ/ Morse models are used to describe interatomic interactions. Molecular dynamics simulations are carried out to achieve non equilibrium steady state.

It is also plan to initiate activities on Bose-Einstein Condensation and Simulation Study of Bright – Dark solitons under Trapping potentials will also be a part of next five year research plan.

This study requires high computing time hence cluster computer and few workstations are basic needs. We also need supporting softwares like: CRYSTAL 09, GAUSSIAN + GAUSSVIEW, PHONON

### 3. Ionosphere and Atmospheric physics research group

- (a) **Ionosphere Research:**It is planned to obtain real time signal strength recording on distant transmissions simultaneously on many channels. This is essential for study of travelling wave disturbances (TWD) & trans-ionospheric disturbances (TID). Construction of electron density-height profiles and collision frequency - height profiles in the ionosphere can also be attempted using this data.  
It is planned to develop many more experiments in communication and electronics for teaching various concepts to students at all levels. It is also planned to use transducers along with microcontrollers to design various experiments.
- (b) **Atmospheric studies** Contribution of aerosols in radiative forcing of atmosphere is one of the crucial factor in climate change studies which is not yet fully resolved. Aerosol Optical Depth and size distribution of aerosols are two important parameters in climate models. Cities like Ahmedabad, which is highly populated and polluted with industry and high volume of traffic, the aerosol characteristics may be very much different at different parts of city.

The ozone layer in the stratosphere is essential to life on Earth. In the lower atmosphere it acts a good greenhouse gas. Vertical variation of temperature in the stratosphere is controlled by presence of ozone. With help of two Microtops, we would like to study diurnal, seasonal and temporal variations of Aerosol Optical Thickness, integrated column concentration of ozone and vertical water vapour content. With a AOT at 5 channels, we can get spectral variation of AOT and thereby we can get information about aerosol loading and particle size distribution. With help of aethalometer, we will be studying various aspects of black carbon such as mass concentrations types types of black carbons etc and diurnal, seasonal and temporal variations. These variations of aerosol characteristics would be studied in relation with meteorological parameters such as wind, temperature and humidity. The role of atmospheric stability for dispersing the aerosols would be looked into. Along with regional studies, MODIS derived AOD from Aqua and Terra satellites would be studied over a larger spatial coverage.

At present 4 Ph. D. students and 2 M. Phil. Students are working on various problems.

### 23. Department of Statistics

1. Name of the Department : **Department of Statistics**
2. Year of establishment : **1955**
3. Is the Department part of a School/Faculty of the university? : **School of Sciences, Gujarat University.**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **M. Sc., M. Phil, Ph. D.**
5. Interdisciplinary Programmes and departments involved : **As statistics is applicable to various fields, department is helping many departments.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **At present no course.**
7. Details of Programmes discontinued, if any, with reasons : **N. A.**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : **Semester**
9. Participation of the department in the Courses offered by other departments : **Faculties are teaching in different courses offered by Zoology Department, Life Science Department, Environment Science Department, Computer Science Department, Forensic Science Department, Human Genetics Department, P. G. Course of Nursing Civil Hospital etc.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS) *</b>
Professor	2	-	2
Associate Professors	3	3	2
Asst. Professors	4	1	-
Others	-	-	-

\* (i) Two Teaching Faculty Promoted as professor in CAS

(ii) One Teaching Faculty Promoted as Asso. professor in CAS



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. / M.Phil. students guided for the last 4 years	
					M. Phil	Ph. D.
Dr. R. G. Bhatt	M. Sc., Ph. D.	Professor & Head	Applied Statistics, etc...	35	05	03
Dr. M. N. Patel	M. Sc., Ph. D.	Professor	Life testing & Reliability, etc...	33	07	01
Dr. C. D. Bhavsar	M. Sc., Ph. D.	Asso. Prof.	Matrix Algebra, etc...	27	07	01
Dr. Pravender	M. Sc., Ph. D.	Asso. Prof.	Design of Experiments, etc...	16	10	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : **N. A.**

13. Percentage of classes taken by temporary faculty – Programme-wise information

14. Programme-wise Student Teacher Ratio :

Course	2007 - 08	2008 - 09	2009 - 10	2010 - 11	2011 - 12	2012 - 13	2013 - 14
<b>M. Sc.</b>	67 : 5	59 : 4	64 : 4	71 : 4	91 : 4	134 : 4	140 : 4
<b>M. Phil</b>	20 : 5	10 : 4	16 : 4	9 : 4	10 : 4	10 : 4	19 : 4
<b>Ph. D.</b>	4 : 5	4 : 4	3 : 4	10 : 4	10 : 4	9 : 4	9 : 4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :

	Sanctioned	Filled	Actual (including CAS & MPS)
Clerk	1	1	1 (Head Clerk)
Peon	2	2	2

16. Research thrust areas as recognized by major funding agencies : **Bio - Statistics and Clinical Trials**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **Report on Performanc appraisal of ABMs and BOs of Zydus Cadila, 2009 by Dr. M. N. Patel**
18. Inter-institutional collaborative projects and associated grants received : **Nil**
  - a) National collaboration
  - b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **Nil**
20. Research facility / centre with : **Nil**
  - \* state recognition
  - \* national recognition
  - \* international recognition
21. Special research laboratories sponsored by / created by industry or corporatebodies : **N.A.**
22. Publications :
  - \* Number of papers published in peer reviewed journals (national/international) : 39
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International SocialSciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated : **N. A.**
24. Areas of consultancy and income generated : **Nil**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad : **Nil**

26. **Faculty serving in**  
 a) National committees :  
**Dr. R. G. Bhatt** : Worked in Curriculum development committee as one of the member at Indian Statistical Service Examination, Govt. of India  
 b) International committees  
 c) Editorial Boards : 5  
 d) any other (please specify) : 7
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). : Department conducted 18<sup>th</sup> refresher course in Statistics for University & College Teachers from 17<sup>th</sup> November 2008 to 7<sup>th</sup> December 2008. The faculty members Dr. R. G. Bhatt, Dr. M. N. Patel, Dr. C. D. Bhavsar, & Dr. Parvender were resource persons in this Refresher course.
28. **Student projects**  
 \* percentage of students who have done in-house projects including inter-departmental projects  
 \* percentage of students doing projects in collaboration with other universities/industry / institute Project work is part of curriculum at M. Sc. And M. Phil Courses. Generally Students do in house projects but every year 10% Students do projects with industry or other institutes.
29. **Awards / recognitions received at the national and international level by :Nil**  
 • Faculty  
 • Doctoral / post doctoral fellows  
 • Students
30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. : 8**
31. **Code of ethics for research followed by the departments :As per the University Code**
32. **Student profile Programme-wise :**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M. Sc. 2007 – 08	58	22	20	74.4	77.12
M. Sc. 2008 – 09	42	23	21	84.6	82.4
M. Sc. 2009 – 10	68	25	22	70.33	71.33
M. Sc. 2010 – 11	51	17	20	70.23	74.45
M. Sc. 2011 – 12	117	37	33	57.7	61.2
M. Sc. 2012 – 13	108	36	34	93.63	89.21

M. Sc. 2013 – 14	156	38	37	92.22	96.34
M. Phil 2007 - 08	20	09	11	100	90.91
M. Phil 2008 - 09	10	04	06	100	100
M. Phil 2009 - 10	16	07	09	100	100
M. Phil 2010 - 11	09	04	05	100	100
M. Phil 2011 - 12	10	06	04	100	100
M. Phil 2012 - 13	10	05	05	100	100
M. Phil 2013 - 14	19	09	10	100	100

### 33. Diversity of Students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M. Sc. 2007 – 08	100	-	-	-
M. Sc. 2008 – 09	100	-	-	-
M. Sc. 2009 – 10	100	-	-	-
M. Sc. 2010 – 11	100	-	-	-
M. Sc. 2011 – 12	98.19	1.81	-	-
M. Sc. 2012 – 13	97	1.5	1.5	-
M. Sc. 2013 – 14	97.5	0.9	1.6	-
M. Phil 2007 – 08	95	5	-	-
M. Phil 2008 – 09	100	-	-	-
M. Phil 2009 – 10	75	25	-	-
M. Phil 2010 – 11	100	-	-	-
M. Phil 2011 – 12	100	-	-	-
M. Phil 2012 – 13	100	-	-	-
M. Phil 2013 – 14	100	-	-	-
Ph. D.	All Students registered for Ph. D. during this period are from the same university			

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :

During the assessment period 12 students of open category have cleared ILTS, TOFEL, GRE and GMAT examinations.

35. Student progression :

Student progression	Percentage against enrolled
UG to PG	98%
PG to M.Phil	66.67%
PG to Ph.D.	58%
Ph.D. to Post – Doctoral	Nil
Employed	
* Campus selection	15%
* Other than campus recruitment	75%
Entrepreneurs	10%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	100
from other universities within the State	Nil
from universities from other States from universities	Nil
outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **Nil**

38. Present details of departmental infrastructural facilities with regard to  
a) Library :

No. of books		National Journals Subscribed
Central Library	5000 Books	Calcutta Statistical Association Bulletin
		Journal of the Indian Society of Agricultural Statistics
Department Library	400 Books	Journal of Indian Statistical Association
		OPSEARCH
		SANKHYA (Series A & B)
		Gujarat Statistical Review
		Sankhya Vignyan

b) Internet facilities for staff and students :

Computer with Internet	
Office	01
Teaching Staff	04
Computer Lab for Students	20
<b>Total</b>	<b>25</b>

c) Total number of class rooms : **2 Class Rooms, & 1 Seminar Room**

d) Class rooms with ICT facility : -

e) Students' laboratories : **1 Lab & 1 Computer Lab**

f) Research laboratories : -

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university :

**Dr. R. G. Bhatt :**

<b>Awarded Degree</b>	<b>Working</b>
Chinnam Reddy	Maitry Bhagat
Ashwin Patel	Rakesh Pandya
Hemant Upadhyay	Trivedi Pratik
G. C. Patel	Mehta Vaidehi
Dipti Bhavsar	Shah Darshini
	Gongad Sandhabhai
	Karia Aarti
	Mehat Niarali

**Dr. M. N. Patel :**

<b>Awarded Degree</b>	<b>Working</b>
Nandita W. Patel	Dinesh R. Barot
Jayesh B. Shah	Bhaktida S. Trivedi
Ketan A. Gajjar	Divya T. Patel
	Kalpesh Prajapati
	Parul Sharma

**Dr. C. D. Bhavsar :**

<b>Awarded Degree</b>	<b>Working</b>
Parag B. Shah	Sweta M. Patel
	Khamir D. Banker
	Mitesh A. Shah
	Devina Upadhyay
	Mamta Patel
	Stuti Dholakia
	Samir Pandya
	Umang Patel

b) from other institutions/universities : **Nil**

40. Number of post graduate students getting financial assistance from the university. : **Nil**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : **N. A.**

42. Does the department obtain feedback from
- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : To upgrade curriculum as well as to improve quality of teaching.
  - b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : To know the problem of students, their view about the curriculum and about their clarity in the subject. Students candirectly approach faculties and discuss about difficulties.
  - c) alumni and employers on the Programmes offered and how does the department utilize the feedback? : Department is in touch with alumni of the department and their view about the course and teaching learning process is taken in to consideration.
43. List the distinguished alumni of the department (maximum 10) :
- I. Dr. Dinesh Dave (Director, Walker College of Business, U. S. A.)
  - II. Dr. Harish Buddhbatti (Gujarat State Transport Corporation, Govt. of Gujarat)
  - III. Mr. Rakesh Pandya (Deputy Director, DOEAS, Govt. of Gujarat)
  - IV. Dr. Chinam Reddy (Director, M. B. A. Institute, Rajkot & Dean, Faculty Management, GTU)
  - V. Dr. Kamlesh Patel (Vice-President, Lemda Research)
  - VI. Dr. Aparna Murti (Narsi Munji Institute, Mumbai)
  - VII. Dr. Prabhakaran (Director, Quintiles, Bangalore)
  - VIII. Dr. R. Shahnumukham (Assi Director, Indira Gandhi Open University)
  - IX. Mr. Hitesh Chauhan (Asso. Director, Plianpha Research)
  - X. Mr. Ronak Patel (General Manager, Lemda Research)
  - XI. Ms. Nirali Maheta (Director, Pharma STAT)
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. : Eminent persons from academic & practicing world were invited for lectures. Dr. R. T. Ratani (Former President, Gujarat Statistical Association & rtd. Prof. V. N. South Gujarat University), Dr. V. H. Bajaj (Head, Department of Statistics, Babasaheb Ambedkar University, Aurangabad), Dr. P. G. Khot (Head, Nagpur University Nagpur), Dr. Rakesh Shrivastav (Prof., Dept of statistics, M.S. university of Baroda), Dr. M. B. Joshi (Prof. Medical College, Aurangabad), Dr. Bhashwat Chakraborty (Cadila Pharma, Dholka), Dr. Kamlesh Patel (Lamda Therapic Research), Dr. R. B. Gavil (Directorate of Economics and Statistics, Gandhinagar), Dr. Jahar Saha (Former Director IIM, Ahmedabad), Dr. U. K. Srivastav (Former Prof. IIM Ahmedabad and Consultant), Dr. Vivek Shukla (National Sample Survey Organisation, New Delhi), Dr. Subha Rani (Syncron Research Centre, Ahmedabad) delivered lectures during assessment period.

45. List the teaching methods adopted by the faculty for different Programmes. : **Quiz, Assignments, Group Discussions, Seminar & Project Work.**
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? : Review of result, constant guideline and better counselling to students.
47. Highlight the participation of students and faculty in extension activities. : Study tour, Visit to educational and research institutions, Visit to Industries.
48. Give details of “beyond syllabus scholarly activities” of the department. : Students participation in GSA Seminars, Statistics Day Celebration Programmes, Quiz Competition etc. Department has the activity named as ‘SANKHYADEEP’. It is a short of academic, social and cultural forum run by the students under the guidance of faculty for the benefit of the students.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : Department is part of Gujarat University.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : The Department is helping to many departments of Gujarat University for teaching and Research. For Research basic Statistical tools and techniques are required in almost all subjects. Department is helpful to all who requires Statistical help and computer assistants. Department is helpful in the research and consultancy work carried out by individuals, other departments and research institutions.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. :

**A. Strengths :**

1. UGC selected the department as one of the Centres in the country to organize Refresher courses in Statistics. The department has organized 10 Orientation courses and 18 Refresher Courses in Statistics for teachers of Western, Central and Northern regions and Several Innovative Methods were devised to improve teaching at college & university levels.
2. Faculty members have worked in committees and panels appointed by the UGC. They have also worked for various types of state and national level examinations like GPSC, UPSC, RPSC, MPSC, BPSC, NET etc. more over they have joined for executing teaching and research work organized by other institutions and P.G. Departments. They have also authored and co-authored textbooks in statistics published by University Granth Nirman Board and State Text Book Production Board.



3. Department is very actively involved in the publication of two Research journals published on behalf of Gujarat Statistical Association.
  - i. Gujarat Statistical Review (GSR)
  - ii. Sankhya Vignan
4. Late Prof. C. G. Khatri (Former Head, Department of Statistics) established Gujarat Statistical Association having membership of academicians and practitioners. Department is taking initiatives in organising conferences in different part of the states. Uptill now 28 conferences have been organized.
5. Department has the activity named as 'SANKHYADEEP'. It is a short of academic , social and cultural forum run by the students under the guidance of faculty for the benefit of the students.

**B. Weaknesses :** Efforts are made to overcome the limitations with respect to strength of teaching faculty, upgrading infrastructure, requirement of softwares and laboratory facility.

**C. Opportunities :** Statistics is useful in Government Offices, Industries, Research Institutions, Business Houses, Bank etc. There is a wide spectrum of application at many places. The topic like sampling methods for survey are useful in quality management for Industries. Due to the development of ISO 9000 series and the progress of Taguchie Techniques, applications of statistics have become very relevant. Moreover, econometric methods, design of experiment, time series analysis have ample scope for their practical use. With the growth of BBA, BCA, MBA, CA, MCA, CS the usefulness of subject is increased tremendously. Hence, the Programmes are career oriented.

The past Students of the Department have excelled in academics, Government and Semi-Government organisation, Pharma Companies, Life Insurance Companies as well as business.

Due to the efforts of ministry of Statistics and Programme Implementation many opportunities in Government is created for Statistics Field. With the support of Directorate of Economics and Statistics, Govt. of Gujarat, Guidance classes for Indian Statistical Services (ISS) examination were conducted at the Department of Statistics, Gujarat University for the benefit of students having M. Sc. Degree in Statistics and who desire to participate in Examination at all India level.

**D. Challenges :** This is an era of knowledge management. The horizons of knowledge are widening in all disciplines. Science is developing at a faster rate and Statistics as key technology of modern science has become more important and relevant as it is applicable to all branches of knowledge. Statistical tools and techniques have their own importance in day to day life and various disciplines. It has wider horizons for its applications and the progress achieved in the theoretical development of the subject increases the responsibilities of the practitioners.

The relevant practical problems on the other hand generate more creative ideas for a research-worker. When Statistics has made inroads in to all fields and with availability of latest softwares, there are many challenges ahead with respect to Curriculum, Teaching aids & methods, Utilization of infrastructure and other resources, Counselling of Students, and Job Placement.

52. **Future plans of the department. :**

- It is desired to commence an ADVANCE RESEARCH AND TRAINING CENTRE which can be useful to research workers and practitioners in the subject.
- The department has a keen desire to expand its present activities by means of introduction a POST GRADUTE DIPLOMA IN DECISION SCIENCES (PGDDS) Statistical applications have their own existence and looking to the present need for such application oriented Programme, it is suggested and requested to launch such a Programme run by the Department. The department is also interested in starting courses like Bio-Statistics and Clinical Trials, SPSS and Computer Oriented Statistical Methods, SQC and Total Quality Management etc.
- Department has started two Journals “GUJARAT STATISTICAL REVIEW AND SANKHYA VIGNAN” on behalf of GUJARAT STATISTICAL ASSOCIATION. It is felt that there is also a need of commencing one journal pertaining to applied statistics such as ‘JOURNAL OF APPLIED STATISTICS’ which can be a National or International level journal. Due the development of courses like BBA, BCA, MBA, MCA etc. such publication can be useful in many ways.
- Department wants to have intensive collaborations with industries, so that it can be fruitful for the benefit of the students and also it can emphasize upon the application of the subject.

## 24. Department of Zoology

1. **Name of the Department** :Department of Zoology + Biomedical Technology & Human Genetics
2. **Year of establishment**: 1964
3. **Is the Department part of a School/Faculty of the university?**: University School of Sciences Gujarat University, Ahmedabad - 380009
4. **Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) PG, M.:** M.Sc., M.Phil & Ph.D. in Zoology, Bio-Medical Technology & Human Genetics
5. **Interdisciplinary Programmes and departments involved**:Life Science, Environmental Science, Food & Nutrition, Biochemistry, Bioinformatics.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**MoU with Gujarat State Biotechnology Missio for 4 Years - Gandhinagar, Pulse Hospital - Ahmedabad, M.D.Society - Ahmedabad, Red Cross Society - Ahmedabad, Aditya Clinic - Ahmedabad, Munshi Hospital - Ahmedabad, Sperm Tek - Ahmedabad, Bavishi Clinic - Ahmedabad, Samarpan Hospital - ICU, Bhavnagar & Dr.Naghorji Clinic - Ahmedabad.
7. **Details of Programmes discontinued, if any, with reasons** : Not Applicable.
8. **Examination System: Annual/ Semester/Trimester/Choice Based Credit System** : Earlier right from beginning the Examination System was Annual. From the year 2011 - 12 Semester system has been started.
9. **Participation of the department in the Courses offered by other departments** : Life Science, Biochemistry & Environmental Science.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	<b>Sanctioned</b>	<b>Filled</b>	<b>Annual (including CAS &amp;MPS)</b>
Professor	2	---	CAS - 2
Associate Professors	3	---	CAS - 4
Asst. Professors	5	1	
Others	Nil	---	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. / M.Phil students guided for the last 4 years	
					Ph.D.	M.Phil
Dr. M. V. Rao	M.Sc., Ph.D.	Professor & Head	Reproductive Endocrinology etc...	34	07	07
Dr. R. J. Verma	M.Sc., Ph.D.	Professor	Physiology & Toxicology	31	06	02
Dr. H. N. Highland	M.Sc., Ph.D.	Asso. Prof.	Reproductive Physiology, etc...	25	04	02
Dr. K. R. Desai	M.Sc., Ph.D.	Asso. Prof.	Developmental Physiology & Embryology Reproductive Physiology	28	02	02
Dr. L. B. George	M.Sc., Ph.D.	Asso. Prof.	Fishery Biology	23	03	00
Dr. Divya Chandel	M.Sc., Ph.D.	Asso. Prof.	Human Genetics, Cell Biology	17	00	04
Dr. D. D. Jhala	M.Sc., M.Phil & Ph.D.	Sr. Grade Lecturer	Cell Biology, Cytogenetics	09	00	01

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

Zoology	Biomedical Technology	Human Genetics
Dr. V. C. Soni, Dr. A. V. Ramchandran, Dr. Akbarsha, Mr. Prashant Kumar, Dr. R. G. Bhatt	Dr. J. J. Trivedi, Dr. M. P. Nanavarti, Dr. Vivek Upasani, Dr. Ashwin Patel, Dr. P. N. Srivastva, Dr. Nagori, Dr. Gaurang Banker	Dr. N. K. Jain, Dr. Ashwin Patel, Dr. Vivek Upasani, Mr. Prashantkumar, Dr. Pillai, Dr. Maharshi, Dr. Himanshu Patel, Dr. R. G. Bhatt

13. Percentage of classes taken by temporary faculty – Programme-wise information :

Zoology	Biomedical Technology	Human Genetics
5%	25 - 30%	25 - 30%

14. Programme-wise Student Teacher Ratio :

Zoology	Biomedical Technology	Human Genetics
1/6 students	1/5students	1/1.5 student

15. Number of academic support staff (technical) and administrative staff:sanctioned, filled and actual :

	Sanctioned	Filled	Annual (including CAS &MPS)
Class - 2	1	--	
Class - 3	3+3	1	One Lab.Asst. retired, One Storekeeper retired.
Class - 4	4	2	One Aniaml Attendant retired, One Peon retired.

16. Research thrust areas as recognized by major funding agencies:  
Cell Biology, Genetics, Physiology, Toxicology.

17. Number of faculty with ongoing projects from

- National
- International funding agencies and
- Total grants received.

Give the names of the funding agencies, project title and grants received project-wise.

Name of the Investigator	Title of the project	Duration	Amount Sanctioned Rs.	Funding Agency
DR.M.V. RAO	UGC - Fluoride research	3 years	10,00,000/-	UGC
	Effects of fluoride	2008-12	12,00,000/-	UGC
	Anticarcinogenic Effects of some Plant Extracts.	3 years	8.79,000/-	UGC
	Studies on toxic effects of lead... in exposed population.	3 years from 1-2-2011	8,81,800/-	UGC

	Role of certain antioxidants on fluoride induced toxicity in mammals.	3Years	11,21,000/-	UGC
	Diagnosis of genetic disorders in Gujarat State	4 years	198 Lacs	Gujarat State Biotechnology Mission, Gandhinagar
DR.H.N.HIGHLAND/ DR.L.B.GEORGE	Zooplankton Productivity modeling Investigation using Oceanography SAT II	2008-13	11,30,000/-	Collaborative with ISRO
	Dual <i>In silico</i> Prediction and <i>In vitro</i> Analysis for the Evaluation of Potential Antimalarial Drugs.	2011 - 14	15,91,800/-	Gujarat State Biotechnology Mission (GSBTM)
	To evaluate the Efficacy of Some Plant Extracts as Antimalarial Agents.	2009-12	06.00,000/-	INTAS Pharmaceuticals
DR.L.B.GEORGE	Anti-carcinogenic effects of some selected plant extracts	2009-12	8,79,000/-	UGC
DR.L.B.GEORGE	<i>in silico</i> Prediction and <i>in vitro</i> Analysis for Evaluation of Potential Antimalarial Drugs	2011 - 14	12,00,000/-	Gujarat State Biotechnology Mission (GSBTM)
DR.L.B.GEORGE/ DR.H.N.HIGHLAND	Molecular Stabilization of Erythro- cyte Membrane as a potential anti-malariao Target- An in-vitro study.-	2013 -16 onwards	19,96,800/-	Gujarat State Biotechnology Mission(GSBT M)
DR.DIVYA CHANDEL	UGC Minor, New Delhi	2009 - 2011	2,00,000/-	UGC
DR.D.D.JHALA	Study on toxic effects of lead: its <i>in vitro</i> amelioration by herbal products and evaluation of genetic	3 Years (1-2-2011 to 31-1-2014)	10,85,666/-	UGC

	susceptibility in exposed population.			
	UGC Major, New Delhi	2011-14	8.81	UGC
	To evaluate the role of carica papaya leaf extracts in transcriptional control of megakaryopoiesis	2014 - 17	18,76,920/-	Gujarat State Biotechnology Mission (GSBTM)

18. **Inter-institutional collaborative projects and associated grants received**  
a) National collaboration **Chemistry Department**  
b) International collaboration **NIL**
19. **Departmental projects funded by DST-FIST; UGEC-SAP.CAS, DPE; DBT, ICSSR, AICTE, etc. Etc; Total grants received.**  
**Rs.3 to 4 crores.**
20. **Research facility/centre with**  
☒ State recognition  
☒ National recognition  
☒ International recognition
21. **Special research laboratories sponsored by / created by industry or corporate bodies: Genetic by Gujarat State Government.**
22. **Publications :**  
\* Number of papers published in peer reviewed journals (national /international) : 174  
\* Monographs - **Nil**  
\* Chapters in Books - **1**  
\* Edited Books - **1**  
\* Books with ISBN with details of publishers: 1  
\* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International SociaSciences Directory, EBSCO host, etc.)  
\* Citation Index – range / average : --  
\* SNIP : --  
\* SJR : --  
\* Impact Factor – range / average : **1.5 to 2.00**  
\* h-index :
23. **Details of patents and income generated : NIL**

24. Areas of consultancy and income generated : NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad
26. Faculty serving in  
 a) National committees b) International committees c) Editorial Boards d) any other (please specify)  
 Dr.M.V.Rao UGC-DSA Nominee to NEHU, Meghalaya.  
 Dr.R.J.Verma Annual Ethics Committee.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).

Name of Programme	Duration	Names of Faculty members who attended	Organizing Institute	Fee and Funding	Area Covered
“ Good Clinical Practice (GCP) Training ”	01-10-2013	Dr. R. J. Verma	K.B. Institute of Pharmaceutical Education and Research, Gandhinagar	Self	Clinical
“First Responder Training Programme”	March, 2009.	Dr.Divya Chandel	EMRI (108 Emergency) at Ahmedabad	No fees for the Programme.	First responder training
“Skill Development in Stem Cell Techniques: Basic Training in cell culturing”	5 <sup>th</sup> to 9 <sup>th</sup> October, 2009	Dr.Divya Chandel	GSBTM, Gandhinagar at Stemcure, Ahmedabad	No fees for the Programme.	Stem Cell techniques
One day training on“Role of CPCSEA in Education and Research”	15 <sup>th</sup> March 2010.	Dr.Divya Chandel	Nirma University, Ahmedabad	No fees for the Programme.	CPCSEA Information



Evaluative Report of the Departments

Visit and hands on training	2 days from 27-28 May,2010	Dr.Divya Chandel	at the Laboratory of Dr Sen Pathak and Dr A. S. Multani. M D Anderson Cancer hospital, Houston, USA	No fees for the Programme.	Genetic techniques.
“Workshop on Alternatives to use of Animals in Biosciences	Two day training 22 <sup>nd</sup> and 23 <sup>rd</sup> September 2010.	Dr.Divya Chandel	Department of Zoology, Gujarat University, Ahmedabad.	No fees for the Programme.	Alternative tools for zoology dissections.
Training on “Advances in Biotechnology”	1 <sup>st</sup> -16 <sup>th</sup> March, 2011.	Dr.Divya Chandel	sponsored by Academies of Sciences National Institute for Research in Reproductive Health, Mumbai.	No fees for the Programme.	Genetic Techniques.
“Appreciation Training Programme on Bird Ecology & Conservation”	4 day Bird watching training on weekends of November 2011.	Dr.Divya Chandel	GEER Foundation, Gandhinagar.	---	Bird Ecology.
“A short term Training Course on Soft Skill Development of Teachers”	12-3-2012 to 18-3-2012	Dr.Divya Chandel	UGC-ASC, GU, Ahmedabad.	---	Computers.

A short term course on Life & works of SwamiVivekanand.	11-2-2013 to 16-2-2013	Dr.Divya Chandel	UGC-Academic Staff College, Gujarat University, Ahmedabad.	---	Value addition in teaching
Faculty Development Programme on DNA Barcoding	15 <sup>th</sup> to 21 <sup>st</sup> May 2013	Dr. D. D. Jhala	Gujarat State Biotechnology Mission, DST, Government of Gujarat, Gandhinagar.	No Fees for the Programme	DNA Barcoding
Refresher Course	25-6-2012 to 15-7-2012	Dr. D. D. Jhala	Academic Staff College, Gujarat University.	---	Environmental studies (Zoology).
Prakruti Shikshan Shibir	1 <sup>st</sup> to 3 <sup>rd</sup> August, 2013	Dr. D. D. Jhala	Gujarat Ecological Education Society and Research Foundation, Gandhinagar.	No Fees for the Programme	Research Methods for Ecological Research

28. Student projects

- a. percentage of students who have done in-house projects including inter-departmental projects : **5 - 10**
- b. percentage of students doing projects in collaboration with other universities/industry / institute : **75 - 90**

29. Awards / recognitions received at the national and international level by

- a. Faculty : 16
- b. Doctoral / Post doctoral fellows : 3
- c. Students : JRF/SRF - 13

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any

Sr. No.	Title	Date / Duration / Place / Organized by	Source of Fund	National / International	No. of Participants
1.	Human Health Care Redefined.	2008.	Dept./ University	University level	80
2.	Int. Conf. on Biomedical of Genomic Research	January 29-31-2009. By Human Genetic Center Dept. of Zoology Gujarat University Ahmedabad	DST, GSBTM, UGC, CSIR	State	400
3.	Workshop/ Seminar on Alternatives to use of animal in Biosciences	22 <sup>nd</sup> 23 <sup>rd</sup> Sept.2010, Human Genetic Center Dept. of Zoology Gujarat University Ahmedabad	Dept.	University	150
4.	Doctor's Meet.	18-10-2011	GenDice	State	15
5.	Biomedical Technology Lectures Series	27-29 Dec 2011 by Human Genetics & Biomedical Technology Dept. at the Dept. Of Zoology Gujarat University Ahmedabad	Guj.Univ & Zoology Dept.,	University	90

6.	Free Sugar level check up camp	27 <sup>th</sup> Dec, 2011 Human Genetics & Biomedical Technology Dept. at the Dept. Of Zoology Gujarat University Ahmedabad	GenDice	State	180
7.	GenDioT	4-9 <sup>TH</sup> March 2013 by GSBTM at Dept. Of Zoology Gujarat University Ahmedabad	Department	State	10
8.	HPTLC Training cum Seminar	30-3-2013 at Dept. Of Zoology Gujarat University Ahmedabad	Department	University	50 - 60
9.	Biomedical Technology Lecture Series. "Tissue Engineering" By Dr.K.K. Sharma, MDS Univ. Ajmer.	One day Seminar 10-4-2013 by the Dept. Of Zoology Gujarat University Ahmedabad	Department	State / National	75 - 80
10.	Identifying Novel Cancer Therapeutic Targets by Dr.Arti Sharma, USA.	One day Seminar 16-1-2014 by the Dept. Of Zoology Gujarat University Ahmedabad	Department	Department	75 - 80

11.	Nanotechnology based therapeutics for the treatment of cancer. By Dr.Arati Sharma,USA	One day Seminar 17-1-2014 by the Dept. Of Zoology Gujarat University Ahmedabad	Department	Department	75 - 80
12.	Ligh & Life by Dr.P.D.Gupta	One day Seminar 03-02-2014 by the Dept. Of Zoology Gujarat University Ahmedabad	Department	Department	75 - 80

31. Code of ethics for research followed by the departments :

The Department has Institutional Animal Ethical Committee and Institutional Ethics Committee. We follow the strict ethics in research with respect to honesty, integrity, carefulness, openness, confidentiality, responsible publishing, responsible mentoring, non-discrimination and competence.

32. Student profile Programme-wise :

33. Diversity of students :

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	Gujarat University	5%	5%	0%
M.Phil	100%	100%	100%	100%
Ph.D.	100%	100%	100%	100%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

2009	01	Manoharsinh Vaghela	PSI
	02	Solanki Hiren	Officer at Union Bank, Surat.
	03	Dantani Naresh	Civil Service
2010	01	Ajudiya Manish	Indian Administrative services(IAS)
	02	Jaydip Rathod	PSI
2011	01	Nandoliya Rajkamal J.	Fisheries Officer, Anand.
	02	Nimbark Nihar K.	Fisheries Officer, Surendranagar
	03	Faldu Rajil M.	Fisheries Officer, Porbandar
	04	Reena Sachan R.	Teacher at Rachana School, Ahmedabad.
	05	Shravani	“
	06	Yatin Prajapati R.	Teacher in personal capacity
	07	Darji Vishal J.	Teacher at Ambaji
	08	Rana Dixita K.	Teacher
2012	01	Mayuri Solanki	Teacher, Chandkheda.
2013	01	Darji Hanumanprasad	Quality Control Inspector at Food Corporation of India
2014	01	Darshana Barot.	Fisheries Officer.
	02	Patel Manish Popatbhai	Upper Primary School Teache At Kheda-Mater (Government School)
	03	Mr.Keval Joshi	Passed ILETS Exam.
	04	Mr.Dhval Shukla.	Passed ILETS Exam.
	05.	Ms.Nikita Vadasaria.	Passed ILETS Exam.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	50 - 70%
PG to M.Phil	5 - 10%
PG to Ph.D.	10%
Ph.D. to Post – Doctoral	02 - 5%
Employed	
* Campus selection	3%
* Other than campus recruitment	14%
Entrepreneurs	----

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	44%
from other universities within the State	28%
from universities from other States	28%
from universities outside the country	---

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **M.Phil - 5, Ph..D. - 6, D.Sc. - Nil**

38. Present details of departmental infrastructural facilities with regard to

- a) Library : About 5000 Books
- b) Internet facilities for staff and students : Only for staff & Computer Lab. contains internet facility only.
- c) Total number of class rooms : 06
- d) Class rooms with ICT facility : 01
- e) Students' laboratories : 04
- f) Research laboratories : 09

39. List of doctoral, post-doctoral students and Research Associates

- a. from the host institution/university - 2
- b. from other institutions/universities - 0

40. Number of post graduate students getting financial assistance from the university. Ph.D. Research students - 8

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.  
Comparing other institutes methodologies modified.

42. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : **By taking the advise of the staff for betterment**
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : **All would join for taking the development issues in a positive way.**
- c. Alumni and employers on the Programmes offered and how does the department utilize the feedback? : **Feasible points suggested by them are taken care of.**

43. List the distinguished alumni of the department (maximum 10)
1. Dr.P.K.Gadhia                      Surat, India.
  2. Dr.Mrs.Gadhia                     Surat, India
  3. Dr.Ashokkumar                    USA
  4. Dr.Mittali Rajvansh                USA
  5. Dr.Bindu Nair                        USA
  6. Dr.Mala Chinoy                     USA
  7. Dr.Arati Sharma                    USA
  8. Dr.Radhakrishna Upala          Switzerland
  9. Dr.Geetha Ranga.                  Mumbai, India.
  10. Dr.Namtra Bhatt                    USA
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.
1. Biomedical Technology Lecture series
  2. Invited lectures
  3. Workshop/Seminar
45. List the teaching methods adopted by the faculty for different Programmes.  
Blackboards, OHP Multimedia, Interactive Board, etc.
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?  
**Monitoring is done by discussing with the staff and University to put into an action.**
47. Highlight the participation of students and faculty in extension activities  
**All participate in extra curricular activities as well as inter department activities.**
48. Give details of “beyond syllabus scholarly activities” of the department.  
**They go to the libraries, E.books, and participate indoor/outdoor games and also attend general lectures organized by the University etc.**
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.  
The department is in forefront in dissemination of knowledge to each walk of life  
It also helps to train interested students from inside and outside of the country  
Department also gives assistance in Genetic, Genetic disorders related knowledge to the affected people, Genetic counselling is available to the parents whose children are affected genetically.



The college and school students are benefitted by observing Story of Life manner in our Department. (Story of Life)

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
  1. Dept.is enriched to impart knowledge in Biology.
  2. Good at research & teaching.
  3. Weak at infrastructure.
  4. Students get opportunity for jobs & higher studies.
  5. Further to develop to meet the challenges at present.
  
52. Future plans of the department.
  1. Development of infrastructure facilities.
  2. Organizational skills to meet semester system.
  3. Availability of more funds.
  4. Training of students for better opportunities.

## 25. Department of Economics

1. Name of the Department : ECONOMICS
2. Year of establishment : 1954
3. Is the Department part of a School/Faculty of the university? : Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : P.G., M. Phil, Ph.D.
5. Interdisciplinary Programmes and departments involved : No
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of Programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	03	02	2 + 0 = 2
Associate Professors	05	02	2+0=2
Asst. Professors	04	01	01
Others	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. K.M. Bhatt	M.A., Ph.D.	Professor	Public Finance	28	As per Uni. Norms
Dr. Hina Sidhu	M.A. Ph. D.	Professor	Industrial Economics	25	As per Uni. norms
Dr. P.P.Prajapati	M.A., Ph.D.	Asso. Prof.	Agriculture Economics	27	As per Uni. norms
Dr.S.R. Pardeshi	M.A., M.Phil, Ph.D.	Asso. Prof.	Research Methodology of Weaker Section	19	As per Uni. norms
Ms. Tarang Solanki	M.A., B.Ed.	Asst. Prof.	Industrial Economics	16	As per Uni. norms

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : Nil
13. Percentage of classes taken by temporary faculty – Programme-wise information :Nil
14. Programme-wise Student Teacher Ratio : 1 : 23
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Nil
16. Research thrust areas as recognized by major funding agencies :
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil
18. Inter-institutional collaborative projects and associated grants received: Nil

a) National collaboration                      b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil
20. Research facility / centre with
  - state recognition : Yes
  - national recognition : Yes
  - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
22. Publications :
  - \* Number of papers published in peer reviewed journals (national /international) : 01
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books : 01
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International SocialSciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad : Nil
26. Faculty serving in
  - a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify) : 01
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). All - 04
28. Student projects
  - percentage of students who have done in-house projects including inter-

departmental projects

- percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

31. Code of ethics for research followed by the departments

32. Student profile Programme - wise :

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	140	32	47		
M.Phil					
Ph.D.					

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	94%	6%	Nil	Nil
M.Phil	100%	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	4
PG to Ph.D.	12
Ph.D. to Post – Doctoral	
Employed	
* Campus selection	Nil
* Other than campus recruitment	7
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	03
From other universities within the State	
From universities from other States	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

- a. Library : No Departmental Library
- b. Internet facilities for staff and students : Yes, for staff only
- c. Total number of class rooms : 03 Three
- d. Class rooms with ICT facility : Nil
- e. Students' laboratories : Nil
- f. Research laboratories : **Nil**

39. List of doctoral, post-doctoral students and Research Associates

- a. from the host institution/university
- b. from other institutions/universities

40. Number of post graduate students getting financial assistance from the university : Nil

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : No

42. Does the department obtain feedback from
- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Dept. tries to overcome the lacuna
  - \* students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Tries to reform the curriculum
  - \* alumni and employers on the Programmes offered and how does the department utilize the feedback? : Positively
43. List the distinguished alumni of the department (maximum 10)  
Prof. (Dr.) Prof. B. R. shenoy, Prof. M.P. BHatt Prof. (Dr.) ShivanandSwamy, Prof.(Dr.) Govindarao.
44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts: We invite experts to help our students of semester-IV who guide them about preparation of Research Project.
45. List the teaching methods adopted by the faculty for different Programmes:  
Class room teaching
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : Publication of books, Article and lectures given by the faculty etc. are basic as well as applied in generating knowledge.
51. Detail five major
- (A) **Strengths** : 1) Four Faculty Members with Ph.D. 2) Three Teachers who have specialisation in Quantitative Economics 3) four Teachers who are Ph. D. Guides 4) Three Teachers who are members of Board of studies of Other Universities 5) One Teacher who is in Board of Studies of other Professional Institution

- (B) **Weaknesses :** 1) Shortage of Teaching Staff 2) Shortage of Clerical Staff 3) No Computer Lab for Students 4) No Departmental Library 5) No modern teaching aids like LCD for Power Point Presentation 6) No financial powers with the department for any routine expenses to run the department
- (C) **Opportunities :** 1) All our English Medium students get immediate placement in Teaching Institutions 2) Many students get jobs in various Research Institutes in Ahmedabad thus there are ample job openings for our students
- (D) **Challenges :** 1) The department faces challenge in terms of shortage of staff. 2) The department need to overhaul the syllabus and teaching methods to face the competition from other professional institutions 3) There is a need to change the teaching methods and make it more practical oriented 4) More Mathematical and Statistical oriented papers are required so0 that the subject becomes more applied
52. **Future plans of the department :** The Department will try to get a computer lab for the students and research scholars. Also the efforts will be made to change the syllabus to make it more application oriented.



## 26. Department of History

1. Name of the Department : History
2. Year of establishment : 1954
3. Is the Department part of a School/Faculty of the university? : Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : P.G., M.Phil & Ph.D.
5. Interdisciplinary Programmes and departments involved : Yes
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons : N.A.
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Profesors		1	
Associate Professors		4	
Asst. Professors			
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. Anjana B. Shah	M.A., Ph.D.	Professor	Gandhian Studies	30	
Dr. A.K. Singh	M.A. Ph.D.	Asso. Professor	Maritime, etc...	19	Ph.D. 4 on going M.Phil - 4
Dr. Arun Vaghela	M.A. Ph.D.	Asso. Professor	Tribal History	21	Ph.D. – 3 M.Phil - 8
Dr. Vikesh Pandya	M.A. Ph.D.	Asso. Professor	Economic History of Modern India	20	
Dr. Vijayaben Yadav	M.A. Ph.D.	Asso. Professor	Modern Indian History	18	Ph.D.-4 ongoing M.Phil – 12 4 on going

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : N.A.
13. Percentage of classes taken by temporary faculty – Programme-wise information.
14. Programme-wise Student Teacher Ratio : 1:20
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Nil
16. Research thrust areas as recognized by major funding agencies : N.A.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : N.A.
18. Inter-institutional collaborative projects and associated grants received : N.A.
  - a) National collaboration
  - b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : N.A.
20. Research facility / centre with : N.A.
  - a. state recognition
  - b. national recognition
  - c. international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies : N.A.
22. Publications :
  - \* Number of papers published in peer reviewed journals (national / international) : 12
  - \* Monographs : 1
  - \* Chapters in Books : 6
  - \* Edited Books : 1
  - \* Books with ISBN with details of publishers : 5
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated : N.A.
24. Areas of consultancy and income generated : N.A.
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad : N.A.
26. Faculty serving in
  - a) National committees
  - b) International committees
  - c) Editorial Boards
  - c) any other (please specify) : N.A.

27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes) : N.A.
28. **Student projects** : N.A.
- percentage of students who have done in-house projects including inter-departmental projects
  - percentage of students doing projects in collaboration with other universities/industry/institute
29. **Awards / recognitions received at the national and international level by** : N.A.
- Faculty : 2
  - Doctoral / post doctoral fellows
  - Students
30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.** :  
Number of State Level Seminar organized by the Department of History : 7
31. **Code of ethics for research followed by the departments** : N.A.
32. **Student profile Programme-wise:**

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	1500	413	347	73	75
M.Phil	500	43	18	50	51
Ph.D.	200	20	24		

33. **Diversity of students :**

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : N.A.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	Approx. 24%
PG to Ph.D.	Approx. 10%
Ph.D. to Post – Doctoral	N.A.
Employed * Campus selection * Other than campus recruitment	N.A.
Entrepreneurs	

36. Diversity of staff : N.A.

Percentage of faculty who are graduates	
Of the same university	
From other universities within the State	
From universities from other States	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : N.A.

38. Present details of departmental infrastructural facilities with regard to

- Library : Common Library for the Uni. School of Social Sciences
- Internet facilities for staff and students : For Staff
- Total number of class rooms : Two
- Class rooms with ICT facility : N.A.
- Students' laboratories: N.A.
- Research laboratories: N.A.

39. List of doctoral, post-doctoral students and Research Associates :

- from the host institution/university
- from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. :

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : N.A.

42. Does the department obtain feedback from : Yes
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Yes
  - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : After getting the feedback faculty members try to work on the feedback lines and try to sort out the problems.
  - alumni and employers on the Programmes offered and how does the department utilize the feedback? : After getting suggestions from alumni faculty members work and try to do away the problems.
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts. : The Department organizes student enrichment Programmes on regular intervals throughout the academic year.  
Sometimes the number even crosses 6, 7.
45. List the teaching methods adopted by the faculty for different Programmes. :  
(a) delivering lectures, (b) field work, (c) power point presentation.
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? :
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department. :  
Students of History department present seminars on subjects not included in the syllabus.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : N.A.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : N.A.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. :

- (a) We have already introduced many innovative courses like (i) History of Science and Technology in Ancient and Medieval India, two courses, (ii) History of Social Change in Gujarat, one course, (iii) Maritime Gujarat, one course, (iv) Environmental History of India, one course, (v) History of Ahmedabad, one course, etc.
- (b) The strong point of the Department of History is that its faculty members constantly engage in problem oriented and problem solving research works.

52. Future plans of the department.

**27. Department of Political Science**

1. Name of the Department **POLITICAL SCIENCE**
2. Year of establishment **JUNE 1954**
3. Is the Department part of a School/Faculty of the university? **YES, SCHOOL OF SOCIAL SCIENCES**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) **PG, M.PHIL, Ph.D**
5. Interdisciplinary Programmes and departments involved **NA**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **NA**
7. Details of Programmes discontinued, if any, with reasons **NA**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System **Semester CBCS**
9. Participation of the department in the courses offered by other departments **NA**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professors	2	---	---
Associate Professors	3	1	1
Asst. Professors	3	1	1
Others	---	---	---



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr S V Zala	M.A., Ph.D.	Asso. Prof.	Indian Government & Politics, etc...	30	5 M.Phil & 7 Ph.D.
M H Khatik	M.A., GSELT	Asst. Prof.	International Politics, etc...	09	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors **NIL**
13. Percentage of classes taken by temporary faculty – Programme-wise information **M.A. – 50% M.Phil – 75%**
14. Programme-wise Student Teacher Ratio **M.A. – 1:6 , M.Phil – 1:4 Ph.D. – 1:7**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **No separate staff to Department**
16. Research thrust areas as recognized by major funding agencies: **IGP & State Politics, Election Studies**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **None**
18. Inter-institutional collaborative projects and associated grants received **NIL**  
a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **NIL**
20. Research facility / centre with  
\* state recognition                      **NIL**  
\* national recognition                      **NIL**  
\* international recognition                      **NIL**

21. Special research laboratories sponsored by / created by industry or corporate bodies **NA**
22. Publications : **NIL**
  - \* Number of papers published in peer reviewed journals (national / international)
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated **NA**
24. Areas of consultancy and income generated **NA**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad **Rajasthan University, Jaipur; M S University, Baroda; Tripura Central University; Karnataka University**
26. Faculty serving in
  - a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify) **Editorial Boards in Gujarat, in Tripura University**
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). **NIL**
28. Student projects
  - percentage of students who have done in-house projects including inter-departmental projects **30%**
  - percentage of students doing projects in collaboration with other universities/industry/institute : **20%**
29. Awards / recognitions received at the national and international level by
  - Faculty **1**
  - Doctoral / post doctoral fellows
  - Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. **Two National Seminars funded by UGC.**
31. Code of ethics for research followed by the departments **Department follows cent percent code of ethics in research**
32. Student profile Programme-wise :

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MA	28	16	12	96	98
M.Phil.	40	5	2	95	100
Ph.D.	15	4	3	Research under Progress	Research under Progress

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	95	2	2	1
M.Phil	90	5	5	-
Ph.D	95	5	5	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.  
**NET/SLET – 4+6, Civil Service - 05**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	60
PG to M.Phil	50
PG to Ph.D.	30
Ph.D. to Post – Doctoral	-
Employed	
* Campus selection	-
* Other than campus recruitment	20
Entrepreneurs	10

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	2
From other universities within the State	
From universities from other States	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **1**

38. Present details of departmental infrastructural facilities with regard to

- a. Library **1**
- b. Internet facilities for staff and students **For staff – 2 For students - 0**
- c. Total number of class rooms **2**
- d. Class rooms with ICT facility **NIL**
- e. Students’ laboratories **None**
- f. Research laboratories **NIL**

39. List of doctoral, post-doctoral students and Research Associates – None

- a. from the host institution/university
- b. from other institutions/universities **None**

40. Number of post graduate students getting financial assistance from the university. **SC, ST, OBC Students get scholarship- approx- 50 students**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. **We introduced CBCS – Semester system at UG, PG level also we prepared New Curriculum for both**

42. Does the department obtain feedback from
  - a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **We get feedback from faculty and we receive and reform by necessary changes in it.**
  - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **We do incorporate needs and suggestions (valid) by students in syllabus**
  - c. Alumni and employers on the Programmes offered and how does the department utilize the feedback? **If possible we accept good points according to demands of present time in competitive era.**
43. List the distinguished alumni of the department (maximum 10)  
**Hon'ble Prime Minister Narendra Modi is our alumni. And others.**
44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts. **For last ten years we organise (1) Experts Lecture Series (2) We invite visiting professors we arrange special talks**
45. List the teaching methods adopted by the faculty for different Programmes. **We utilize ICT, Filed work, documentary.**
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? We monitor it by (1) Results (2) Success in competitive exams, (3) By employments to students
47. Highlight the participation of students and faculty in extension activities. Our students and faculties involve and participate in extension activities like cultural in festivals (Garbas) in study tours, youth festivals sports, Essay competitions, Elocution etc.
48. Give details of “beyond syllabus scholarly activities” of the department. **By performing some administrative jobs**
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **We always generate new knowledge by upgrading our skills with utilization of ICT technology**

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths :**

- (1) Our faculties and students are performing well
- (2) Ours is harmonious department
- (3) We regularly organise academic events other than teachings in every year
- (4) We are less number of faculties but we conduct Programmes with the help and support if students and visiting faculties.
- (5) We utilise funds and financial assistants maximum getting from UGC university to organise academic events

**Weaknesses :**

- (1) We have crunch of regular faculties university should appoint at least three more faculties
- (2) We have only one recognised Ph.D. Guide we need more
- (3) We don't have separate administrative staff which we need university should provide it
- (4) We don't have any A.C. Hall to organise academic Programmes
- (5) University is not paying reasonable amount to visiting faculties. Rs. 150/- Vehicle allowance is peanut.

52. **Future plans of the department.**

- (1) Efforts to get more faculties
- (2) To organise national and regional and possible international seminars
- (3) To conduct special preparatory classes for student for NET/SLET and competitive examinations
- (4) To undertake a Minor Research Project
- (5) To arrange by inviting eminent personalities special guest lectures in the department.

## 28. Department of Sociology

1. Name of the Department : Sociology
2. Year of establishment : 1954
3. Is the Department part of a School/Faculty of the university? : Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : P.G., M.Phil, Ph.D.
5. Interdisciplinary Programmes and departments involved : Yes
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of Programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester System : Semester
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	02	01	1 + 2 = 03
Associate Professors	02	01	01
Asst. Professors	03	02	Nil
Others	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Manubhai H. Makwana	M.A., M..Phil	Professor	Dalitology	30	As per Uni. norms
Dr. J.C. Patel	M.A. M.Phil	Professor	Tribal Sociology	30	As per Uni. norms
Dr. Chandrika Raval	M.A., Ph.D.	Professor	Women Sociology	30	As per Uni. norms
Dr. Gaurang Jani	M.A., M.Phil, Ph.D.	Asso. Prof.	Research Methodology of Weaker Section	30	As per Uni. norms

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
13. Percentage of classes taken by temporary faculty – Programme-wise information : Nil
14. Programme-wise Student Teacher Ratio : 1 : 38
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Nil
16. Research thrust areas as recognized by major funding agencies : Weaker Section, Tribals, HIV/AIDS
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : 02 U.G.C., ICSSR
18. Inter-institutional collaborative projects and associated grants received: Nil
- a) National collaboration      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil



20. **Research facility / centre with**
- state recognition : Yes
  - national recognition : Yes
  - international recognition :
21. **Special research laboratories sponsored by / created by industry or corporate bodies :** Nil
22. **Publications :**
- \* Number of papers published in peer reviewed journals (national / international)
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. **Details of patents and income generated :** Nil
24. **Areas of consultancy and income generated :** Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad :** 02
26. **Faculty serving in**
- a) National committees b) International committees c) Editorial Boards d) any other (please specify) : 02
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). All - 04
28. **Student projects**
- percentage of students who have done in-house projects including inter-departmental projects
  - percentage of students doing projects in collaboration with other universities /industry/institute

29. Awards / recognitions received at the national and international level by
- Faculty
  - Doctoral / post doctoral fellows
  - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.
31. Code of ethics for research followed by the departments
32. Student profile Programme-wise :

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	1500	274	739		
M.Phil	200	55	77		
Ph.D.	150	8	12		

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.				
M.Phil				
Ph.D.				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	16 (21.33%)
PG to Ph.D.	Nil
Ph.D. to Post – Doctoral	
Employed * Campus selection * Other than campus recruitment	Nil
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	2
From other universities within the State	
From universities from other States	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

- Library : No departmental Library
- Internet facilities for staff and students : Yes for staff only
- Total number of class rooms : 03 Three
- Class rooms with ICT facility : Nil
- Students' laboratories : Nil
- Research laboratories : Nil

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university
- from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. : Nil

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : No

42. Does the department obtain feedback from
  - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Dept. tries to overcome the lacuna
  - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Tries to reform the curriculum
  - c. alumni and employers on the Programmes offered and how does the department utilize the feedback? : Positively
43. List the distinguished alumni of the department (maximum 10)  
Prof. (Dr. Vimalbhai Shah, Prof. Dhirubhai Desai, Prof.(Dr) Vidhyut Joshi, Prof. (Dr.) Amrapali Merchant, Dr. Rajan Priyadarshi, IPS, Dr. Hari desai, Director, SERLIT, Prof. H.C. Doshi, Dr. Bhatti Bhatnagar & Dr. Sidhraj Solanki
44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different Programmes. Class room teaching
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : Publication of books, Article and lectures given by the faculty etc. are basic as well as applied in generating knowledge.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
52. Future plans of the department.

## 29. Department of Labour Welfare

1. Name of the Department **Labour Welfare**
2. Year of establishment **1958**
3. Is the Department part of a School/Faculty of the university? **Arts Faculty, School of Social Sciences**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) **PG, Ph.D**
5. Interdisciplinary Programmes and departments involved--
6. Courses in collaboration with other universities, industries, foreign institutions, etc.--
7. Details of Programmes discontinued, if any, with reasons--
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System **Semester CBCS**
9. Participation of the department in the courses offered by other departments --
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professors	1	1	1
Associate Professors	1	1	1
Asst. Professors	3	1	1
Others	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D./M.Phil students guided for the last 4 years
Dr. Rajsi Clerk	LL.M., Ph.D.	Professor and Head	Labour Legislation... HRD	23 years	2 – Ph.D. Completed 6 – Contd.
Dr. Sujatha Onattu	M.L.W., Ph.D.	Asso. Professor	Labour Welfare.... HRD	17 years	4 – Ph.D. Contd.
Dr. Alpa Mehta	M.L.W., Ph.D.	Asst. Professor	Labour Legislation.... HRD	6 years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors--
13. Percentage of classes taken by temporary faculty – Programme-wise information---
14. Programme-wise Student Teacher Ratio **MLW 70 : 3, Ph.D. 12 : 2**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: **1**
16. Research thrust areas as recognized by major funding agencies: **Unorganized Sector Workers, Child labour, Contract labour, Women workers**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **None**
18. Inter-institutional collaborative projects and associated grants received **NIL**  
a) National collaboration                      b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **NIL**

20. **Research facility / centre with**  
 \* state recognition **NIL**  
 \* national recognition **NIL**  
 \* international recognition **NIL**
21. **Special research laboratories sponsored by / created by industry or corporate bodies** **NA**
22. **Publications :**  
 \* Number of papers published in peer reviewed journals (national / international) **more than 15**  
 \* Monographs  
 \* Chapters in Books  
 \* Edited Books  
 \* Books with ISBN with details of publishers – **E-Book published on “HR AND IRIN Indian Power Sector” ISBN no. 978-3-659-327056**  
 \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)  
 \* Citation Index – range / average  
 \* SNIP  
 \* SJR  
 \* Impact Factor – range / average  
 \* h-index
23. **Details of patents and income generated** **NIL**
24. **Areas of consultancy and income generated** **NIL**
25. **Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad** **Dr. Rajsi Clerck – Invited as member of UPSC Personality Test Board and as GPSC advisor for recruitment in Civil Services**
26. **Faculty serving in**  
 b) National committees b) International committees c) Editorial Boards d) any other (please specify) **Dr. Rajsi Clerck was Chief Editor of Gujarat University’s Research Journal “VIDHYA”, from 2006 to 2012**
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).  
 • Dr. Rajsi Clerck worked as State and National Level Seminars as well as for UGC Refresher Courses  
 • Dr. Rajsi Clerck chaired Technical sessions and gave key note lectures at more than five national level conferences and training programs

- Dr. Rajsi Clerck worked as resource person at orientation and refresher courses.
- Dr. Sujatha Onattu attended more than ten national and International seminars.
- Dr. Alpa Mehta attended one orientation and two refresher courses. She also attended more than ten national level workshops / seminars.

28. **Student projects**

- percentage of students who have done in-house projects including inter-departmental projects **NIL**
- percentage of students doing projects in collaboration with other universities/industry/institute : **100% (Compulsory minor and major projects in some Industries on curriculum related topic)**

29. **Awards / recognitions received at the national and international level by**

- Faculty **Dr. Sujatha Onattu**
- Doctoral / post doctoral fellows
- Students

30. **Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.**

- **UGC sponsored state level seminar on “Emerging Trends in Industrial Relations and Human Resource Management”, January 2007.**
- **UGC sponsored “Inclusive growth and development, A social perspective”, February, 2010**

31. **Code of ethics for research followed by the departments As per Coursework Guidelines for Ph.D.**

32. **Student profile Programme-wise :**

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.L.W.	150-200	20 – 24	12 - 16	70 - 80%	80-90%
M.Phil.	--	-	-	-	-
Ph.D.	-	3	7	-	-



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.L.W.	90	5	5	-
M.Phil.	-	-	-	-
Ph.D.	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

**One Student cleared NET**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil	-
PG to Ph.D.	5 – 10%
Ph.D. to Post – Doctoral	-
Employed * Campus selection * Other than campus recruitment	60-70% placement facilitated by Department
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	75%
From other universities within the State	25%
From universities from other States	-
From universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period(1) **Dr. Alpa Mehta got her Ph.D.**

38. Present details of departmental infrastructural facilities with regard to
- a. Library **Common with School Library**
  - b. Internet facilities for staff and students **For all staff members**
  - c. Total number of class rooms **2**
  - d. Class rooms with ICT facility **None**
  - e. Students' laboratories **--**
  - f. Research laboratories **--**
39. List of doctoral, post-doctoral students and Research Associates **8**
- a. from the host institution/university
  - b. from other institutions/universities **None**
40. Number of post graduate students getting financial assistance from the university.  
---
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.----
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
**Yes, the feedback is discussed in Board of Studies. Meetings at the time of revision of curriculum**
  - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?  
**Yes, in improving methodology of teaching - learning**
  - c. Alumni and employers on the Programmes offered and how does the department utilize the feedback?  
**Informal interactions with Allumni and Employers.**
43. List the distinguished alumni of the department (maximum 10)
- (1) **Mr. Justice kartikey Thakar**
  - (2) **Mr. Kamal B. Trivedi**
  - (3) **Mr. Amitkumar Das**
  - (4) **Mr. Jayesh Salua**
  - (5) **Mr. Viral Mankodi**
  - (6) **Mr. Ernesto Noronha**
  - (7) **Mr. Prakash Sajalani**
  - (8) **Mr. Parmeshwar K. Hans**

44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts. **Workshops for skilled development, Interpersonal relations of students, special guest lectures from working professionals on the following topics they are conducted : Occupational Health and Hazards, Interview skills, Mind Mapping, Child labour, current HR / IR and amendments in Labour Laws etc.**
45. List the teaching methods adopted by the faculty for different Programmes. **Teaching pedagogy for MLW – Lectures, Presentations, Group Discussion, Industry Projects, Summer Internship, NGO training**
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? **By continuous assessments thought assignments, quiz / presentations and mid semester examination students are evaluated**
47. Highlight the participation of students and faculty in extension activities. **Faculty members and field work assistant support these activities and guide the students. Faculty members are associated with educational and social institutions in various capacities**
48. Give details of “beyond syllabus scholarly activities” of the department. **The department of labour welfare is committed to overall development of the students. Every year a number of workshops scholarly talks are organized on following themes : Occupational Health and Hazards, Interview skills, Mind Mapping, Child labour, current HR / IR and amendments in Labour Laws etc.**
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Faculty members are continuously engaged in publishing on various subjects. Students are encouraged to undertake projects in industries.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths :**

Excellent faculties, good support of Aluminizes, good employ abilities of students, continuous revision of curriculum with a balance of theory and practical field work courses

**Weaknesses :**

Insufficient number of faculties and infrastructure

**Opportunities and Challenges :**

The programme has very good potential for Employment of students in labour welfare, Industrial relations and Human resource management areas.

Due to lack of placement cell, placement activities are undertaken by already over burden by core faculties in a limited way.

52. Future plans of the department.

Department intends to improve teaching pedagogy and make classroom teaching more effective by use of infrastructure facilities.

**30. B.K. School of Business Management**

1. Name of the Department : B. K. School of Business Management
2. Year of establishment : 1976
3. Is the Department part of a School/Faculty of the university? yes
4. Names of Programmes offered ( PG, Ph.D.PG Diploma)
5. Interdisciplinary Programmes and departments involved -No
6. Courses in collaboration with other universities, industries, foreign institutions, etc. –No
7. Details of Programmes discontinued, if any, with reasons - No
8. Examination System: Semester System
9. Participation of the department in the courses offered by other departments –  
No
10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professors			
Associate Professors	2	2	
Asst. Professors			
Others	3	3	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years (Currently Guiding)
Dr Prateek Kanchan	B.Sc, M.B.A, Ph.D	Asso. Prof. & Director	Marketing Management	20	6
Dr. Sarla Achuthan	M.Sc Ph.D	Rtd. Prof & Director	Management Science	35	8
Dr. Neelima Ruparel	B. Pharm, MBA, Ph. D	Asso. Prof.	Marketing Management	16	6
Dr. A.C.Brahmbhatt	M.Sc, Ph.D.	Retired Professor	Marketing Management	41	N.A.
Mr. P.N.Jobanputra	B.E, MBA, LLB, MIE, Chartered Engineer	Retired Teaching Research Associate	Production and Operations Management, etc...	31	N.A.
Mr. J. M. Bhatt	BSc,LL M,MBA	Faculty member	Business laws, etc...	31	N.A.
Dr. Vilas Kulkarni	Ph.D.	Teaching Research Associate	Human Resource Management	15	7
Dr Vasudev Modi	Ph.D	Teaching Research Associate	Marketing Management	12	4
Dr. Margie Parikh	MBA PhD	Teaching Research Associate	Organization Theory	24	2

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors- NA
13. Percentage of classes taken by temporary faculty – Programme-wise information : M.B.A(Full Time): 31%, M.B.A(Evening): 43%, M.B.A(Maritime Management): All faculties are Visiting only.
14. Programme-wise Student Teacher Ratio  
M.B.A(Day) 90:8, M.B.A(Evening) 60:8, M.B.A (Maritime Management) 5

15. Number of academic support staff (technical) and administrative staff : sanctioned, filled and actual

Academic Support Staff (technical)	Nil
Administrative Staff	Class-3 -02, Class-4 -07

16. Research thrust areas as recognized by major funding agencies  
 Dr Prateek Kanchan : \*Major Research Project (MRP) of 2 years on ‘Changes in Consumer Buying Behavior of Readymade garments with respect to the Organised Physical Retailing in Gujarat’ approved by UGC vide letter Reference No: F.No-5-314/2013(HRP) dated 13 MAR 2013, approved amount(Rs.5,77,600) and 1st instalment (Rs3,49,600/-only), but the amount yet to be released.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Faculty Name	Sponsoring Agency	Title of project	Amount of grant	Period	Co-investigators (if any)
Dr. Prateek Kanchan	UGC	Changes in Consumer... in Gujarat’	Rs 5,77,600		
Dr. Sarla Achuthan	AICTE	Development of Case Studies.	Rs. 8,00,000		Dr. Vilas Kulkarni
Dr. Sarla Achuthan	AICTE	Competition and Indian Organization...in Management	4,00,000	2006	Dr. Vilas Kulkarni
Dr.Sarla Achuthan	UGC	Remedial Programme... Minority students			Dr.Vilas Kulkarni
Dr. Sarla Achuthan	UGC Major Research Project	An Exploratory...Opp ortunities for Youth	Rs. 3,20,000	2008 to 2010	Dr. Neelima Ruparel
Dr.Vilas Kulkarni	UGC (Completed)	Remedial Programme for SC/ST and Minority students	4 lacs	1 year	None
Dr.Vilas Kulkarni	AICTE	MODROB	10.5 lacs	1 year	None

Dr.Vilas Kulkarni	AICTE	Management of Small Scale Enterprises in India with special reference to Western Region	1.52 lacs	3 years	Dr. Vasudev Modi
Dr.Vasudev Modi	AICTE	Travel Grant	65,000		
Dr.Vasudev Modi	AICTE	Entrepreneurship Development Cell	6,00,000		
Dr.Vasudev Modi	AICTE	MODROB	20,00,000		
Dr.Vasudev Modi	AICTE	Research Promotion Scheme	1,52,941		
Dr. Margie Parikh	CEPT University	Studio-III for Masters in Habitat management	Sponsored by CEPT University	6 months	-

18. Inter-institutional collaborative projects and associated grants received  
a) National collaboration    b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT,ICSSR, AICTE, etc.; total grants received. :**As per Point No.17**
20. Research facility / centre with
- state recognition (√)
  - national recognition
  - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies - No
22. Publications :
- \* Number of papers published in peer reviewed journals (national / international) : 70
  - \* Monographs
  - \* Chapters in Books : 11
  - \* Edited Books : 04
  - \* Books with ISBN with details of publishers : 15
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP



- \* SJR
- \* Impact Factor – range / average
- \* h-index

23. Details of patents and income generated
24. Areas of consultancy and income generated
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad

**Dr Prateek Kanchan**

Institutions in India	13 Papers presented.
Institutions abroad	1 Paper presented
Industries in India	7 sessions taken.
Institutions in India	13 Papers presented.

26. Faculty serving in  
a) National committees b) International committees c) Editorial Boards d)any other (please specify)  
**Editorial Boards : 15**
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). : 15
28. Student projects  
\* percentage of students who have done in-house projects including inter-departmental projects -100%  
\* percentage of students doing projects in collaboration with other universities/industry/institute -Nil
29. Awards / recognitions received at the national and international level by  
\* Faculty : 8  
\* Doctoral / Post Doctoral Fellows  
\* Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any. : 1

31. Code of ethics for research followed by the departments
- Original Research
  - Due credit to be given to sources referred and used in every research.
  - Respondents used in primary research made aware of the purpose of research.
  - Names of respondents to be revealed only after they allow for the same.
32. Student profile Programme-wise :

Year	Name of Programme D-Day Programme E-Evening Programme M-Maritime Programme	Appli- cation Rece- ived	Selected		Pass Percentage (%)	
			Male	Female	Male	Female
2007	MBA – D		46	15	90	92
	MBA – M		22	0	93	93
	MBA – E		19	3	98	88
2008	MBA – D		75	18	97	94
	MBA – M		24	5	95	96
	MBA – E		50	10	90	97
2009	MBA – D		70	21	91	93
	MBA – M		30	5	100	100
	MBA – E		50	10	100	100
2010	MBA – D		77	15	91	94
	MBA – M		38	2	100	100
	MBA – E		46	8	97	88
2011	MBA – D		77	15	100	100
	MBA – M		41	3	100	100
	MBA – E		44	6	92	100
2012	MBA – D		74	17	100	100
	MBA – M		36	7	100	100
	MBA – E		55	4	83	100
2013	MBA – D		69	29	100	100
	MBA – M		41	4	98	100
	MBA – E		58	2	99	99

33. Diversity of students

Year	Name of Programme D-Day Programme E-Evening Programme M-Maritime Programme	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
2007	MBA – D	45	50	2	0
	MBA – M	40	65	0	0
	MBA – E	70	35	1	0
2008	MBA – D	42	49	1	0
	MBA – M	41	58	0	0
	MBA – E	68	30	0	0
2009	MBA – D	47	52	1	1
	MBA – M	34	69	0	0
	MBA – E	67	33	0	0
2010	MBA – D	51	43	6	6
	MBA – M	39	61	0	0
	MBA – E	60	34	6	6
2011	MBA – D	40	58	2	2
	MBA – M	38	53	0	0
	MBA – E	76	24	0	0
2012	MBA – D	36	60	2	2
	MBA – M	42	56	0	0
	MBA – E	55	45	0	0
2013	MBA – D	45	50	2	2
	MBA – M	47	51	2	2
	MBA – E	7	28	3	3

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil	Nil
PG to Ph.D.	09 students from the pass outs from 2007-2013
Ph.D. to Post – Doctoral	
Employed	
* Campus selection	60
* Other than campus recruitment	20
Entrepreneurs	

36. Diversity of Staff

Percentage of faculty who are graduates	
of the same university	01
from other universities within the State	02
from universities from other States from	02
universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **03**

38. Present details of departmental infrastructural facilities with regard to

- Library ( ✓ )
- Internet facilities for staff and students ( ✓ )
- Total number of class rooms ( 10 )
- Class rooms with ICT facility
- Students’ laboratories ( ✓ )
- Research laboratories

39. List of doctoral, post-doctoral students and Research Associates

- \* from the host institution/university : 72
- \* from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university. **NA**

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.  
 The two year Post Graduate Diploma in Port Management was started by the Gujarat University at B.K. School of Business Management in 2006. With increased significance of Maritime Industry, the Port

Management Programme has been re-structured as Maritime Management Programme. The two year Full Time MBA-Maritime Management has been painstakingly designed in consultation with leading figures from the Maritime Industry to equip current and future Maritime leaders with the skills, knowledge and tools they need to manage their business successfully.

42. Does the department obtain feedback from
- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? – **Yes. The Director conveys to the faculty members the improvements required or maintenance of the level of teaching accordingly.**
  - \* students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? –No
  - \* alumni and employers on the Programmes offered and how does the department utilize the feedback? -No
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts. : 2
45. List the teaching methods adopted by the faculty for different Programmes.

Name of faculty	Teaching methods adopted	MBA Programme
Dr Prateek Kanchan	Interactive Learning through real life experience sharing, Role Plays, Case Study discussion through first person involvement, Group Project allocations and presentations, over and above classroom sessions	For Corporate Strategic Management, International Business, Marketing Management, International Marketing, and Integrated Marketing communications
Dr. Neelima Ruparel	Independent projects, Role Plays, Case and case studies discussion, Field activities, Classroom Games apart from classroom sessions	For marketing and brand management courses
Dr. Vilas Kulkarni	Mostly, a mix of lectures, case studies and independent presentations. Students are also given small assignments and search for relevant information of several topics related to the contemporary issues	For ‘Organizational structure and dynamics’ and ‘Human resource management’ subjects

46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
- Qualitative feedback taken by every faculty for his/her course taught in every semester from time to time and action administered in real time.
  - The performance and development of the students during the Summer Training and Project Studies wherever applicable.
  - Relationship of the teaching in the class with the involvement in co-curricular and extra-curricular activities, with respect to each and every student
47. Highlight the participation of students and faculty in extension activities.
- The involvement of Faculties as mentor to students in activities in association with other academic and industrial organizations from time to time.
  - The work put in by students in activities along with other academic and industrial organizations from time to time.
48. Give details of “beyond syllabus scholarly activities” of the department. NA
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. NA
50. Briefly highlight the contributions of the department in generating newknowledge, basic or applied.
- Project details highlighted in points 17, 18, and 19 are all new knowledge, basic or applied.
  - Publications and their details highlighted in point No 22 are all new knowledge, basis or applied.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department.

**Strengths :**

- Oldest Business School within University system in the state of Gujarat as Gujarat University Department
- Good Faculty research output in the form of papers, projects, through support of various funding agencies
- Talented Faculty resulting in students becoming good potential employees for companies visiting the campus
- Strong role played by its Alumni since inception in networking and placement support

5. Best lot of students from the state of Gujarat via CMAT Exam conducted by AICTE.

**Weaknesses :**

1. Shortage of Regular Faculty
2. Infrastructure very short in comparison to intake of students
3. Limited Financial Autonomy being a part of University system

**Opportunities :**

1. The continuous maintenance of standards inspite of any number of Business Schools coming up all around the city
2. Immense faith for the school in the society which drives parents and their children to the school with literally no marketing done by the school.

**Challenges :**

1. Continue to maintain as premium University B-School in the country inspite of increasing number of Private B-Schools

52. **Future plans of the department.**

- a. Make all efforts to increase the full time faculty strength to the desired level where the faculty student ratio is 1:15
- b. Increase and strengthen the Physical Infrastructure to the level suitable to the current intake of students for all Programmes put together.
- c. Ensure that quality and contemporariness is maintained in all the Programmes conducted at the School, as quantity is not a problem.

### 31. Department of Physical Education

1. Name of the Department  
**PHYSICAL EDUCATION DEPARTMENT**
2. Year of establishment **1986**
3. Is the Department part of a School ? **YES**
4. Names of Programmes offered: **P.G, M.PHIL, PH.D**
5. Interdisciplinary Programmes and departments involved - **NO**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of Programmes discontinued, if any, with reasons :- **NO**
8. Examination System: **Choice Based Credit System /Semester**
9. Participation of the department in the courses offered by other departments
10. Number of teaching posts sanctioned, filled and actual  
(Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor			
Associate Professor			
Assit. Professor	4	1	
Others			



11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr.B.D.Vanar	M.P.E, Ph.D	Professor	Physical Education	32	1+2
Dr.H.M.Desai	M.P.E, Ph.D	Asst. Prof.	Physical Education	20	00+4

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors  
 1. Dr.N.J.Chaniyara, 2. Dr.P.C.Chavda 3. Prof.A.R.Thakor 4. Dr.K.R.Patel  
 5. Dr.D.B.Desai 6. Dr.R.J.Choudhary, 7. Prof.R.J.Zala etc...
13. Percentage of classes taken by temporary faculty Programme wise information : **AS PER TIME TABLE**
14. Programme-wise Student Teacher Ratio: **M.P.E- 1:10, M.PHIL-1:5**
15. Number of academic support staff (technical) and administrative staff : sanctioned, filled and actual:**1 CLERK, 1 TEMPORARY PEON.**
16. Research thrust areas as recognized by major funding agencies
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **NIL**
18. Inter-institutional collaborative projects and associated grants received : **NIL**  
 a) National collaboration b) International collaboration
19. Departmental projects funded by : UGC SPONSOR SEMINAR OFFICIATING WORKSHOP RS.60,000.00

20. **Research facility / centre with**
  - State recognition
  - National recognition
  - International recognition
21. **Special research laboratories sponsored by / created by industry or corporate bodies**
22. **Publications :**
  - \* Number of papers published in peer reviewed journals (national / international)
  - \* Monographs
  - \* Chapters in Books
  - \* Edited Books
  - \* Books with ISBN with details of publishers
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. **Details of patents and income generated**
24. **Areas of consultancy and income generated**
25. **Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad**
26. **Faculty serving in**
  - a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify) :
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
28. **Student projects**
  - percentage of students who have done in-house projects including inter-departmental projects
  - percentage of students doing projects in collaboration with other

universities/industry/institute

29. Awards / recognitions received at the national and international level by  
 \* Faculty  
 \* Doctoral / Post Doctoral fellows  
 \* Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.
31. Code of ethics for research followed by the departments
32. Student profile Programme-wise :

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007 to 2014	70	8	5	100%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.P.E	90%	5%	5%	
M.PHIL	90%	5%	5%	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Student progression :

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	100%
PG to Ph.D.	20%
Ph.D. to Post – Doctoral	-
Employed	
* Campus selection	-
* Other than campus recruitment	100%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	100%
From other universities within the State	
From universities from other states from	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

38. Present details of departmental infrastructural facilities with regard to

- a. Library : **UNI LIBRARY**
- b. Internet facilities for staff and students : **YES**
- c. Total number of class rooms : **4**
- d. Class rooms with ICT facility : **NIL**
- e. Students' laboratories : **NIL**
- f. Research laboratories: **NIL**

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university
- from other institutions/universities

40. Number of post graduate students getting financial assistance from the university :

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. : -

42. Does the department obtain feedback from
- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **YES GOOD**
  - \* students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **YES GOOD**
  - \* alumni and employers on the Programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
44. Give details of student enrichment Programmes (special lectures / workshops/seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different Programmes.
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored? -
47. Highlight the participation of students and faculty in extension activities.:**YES SPORTS ACTIVITIES**
48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. ;---
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.:---
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department. :---
52. Future plans of the department. : **TO ESTABLISH RESEARCH LAB, YOGA CENTER**

### 32. Department of Library & Information Science

1. Name of the Department :Department of Library & Information Science
2. Year of establishment : 1964
3. Is the Department part of a School/Faculty of the university?: Yes
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :
  1. Bachelor of Library & Information Science – One Year (till 2008-09)
  2. Master of Library & Information Science – One Year (till 2008-09)
  1. Integrated Master of Library & Information Science – Two Years (2009-10)
  1. Integrated Master of Library & Information Science – Two Years (2010-11) under CBCS
5. Interdisciplinary Programmes and departments involved : NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL
7. Details of Programmes discontinued, if any, with reasons : NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
  - Annual till 2007-08
  - Semester from 2008-09 and 2009-10
  - Choice Based Credit System : From 2010-11
9. Participation of the department in the Courses offered by other departments : NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/AssociateProfessors/Asst. Professors/others)

Category	Sanctioned	Filled	Actual (Including CAS & MPS)
Professor	00	00	00
Asso. Professor	2	00	00
Asst. Professor	2	02	01
Others		02	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Geeta Girish Gadhavi	M.L.I.Sc.	Asst. Professor and Coordinator	All subjects related with Library & Information Science		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL
13. Percentage of classes taken by temporary faculty – Programme-wise information : 75%
14. Programme-wise Student Teacher Ratio : 50:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : 02 01 peon and 01 Clerk sanctioned, filled and actual
16. Research thrust areas as recognized by major funding agencies : Not applied
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : None
18. Inter-institutional collaborative projects and associated grants received : None  
a) National collaboration b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. :NA

20. **Research facility / centre with** :NA
- state recognition
  - national recognition
  - international recognition
21. **Special research laboratories sponsored by / created by industry or corporate bodies** : NA
22. **Publications** :
- \* Number of papers published in peer reviewed journals (national / international) : NIL
  - \* Monographs : NIL
  - \* Chapters in Books : 03
  - \* Edited Books : NIL
  - \* Books with ISBN with details of publishers : NIL
  - \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Citation Index – range / average : --
  - \* SNIP : --
  - \* SJR : --
  - \* Impact Factor – range / average : -
  - \* h-index : --
23. **Details of patents and income generated** : --
24. **Areas of consultancy and income generated** : --
25. **Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad** : --
26. **Faculty serving in** : --
- a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) anyother (please specify)
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes). All
28. **Student projects**
- \* percentage of students who have done in-house projects including inter-departmental projects: --
  - \* percentage of students doing projects in collaboration with other Universities/industry/institute



29. Awards / recognitions received at the national and international level by
- Faculty
  - Doctoral / post doctoral fellows
  - Students
30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.
31. Code of ethics for research followed by the departments : --
32. Student profile Programme-wise :

Name of the Programme (refer to question no. 4)	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
B.L.I.Sc.	2007-08	93	07	28	20	80
M.L.I.Sc.		34	07	08	46	54
B.L.I.Sc.	2008-09	81	08	20	28	72
M.L.I.Sc.		35	08	22	26	74
M.L.I.Sc. (Integrated)	2009-10	96	06	26	18	82
M.L.I.Sc. (Regular)		36	07	23	23	77
M.L.I.Sc. (Integrated – CBCS)	2010-11	120	06	22	21	79
M.L.I.Sc. (Integrated – CBCS)	2011-12	72	06	18	25	75
M.L.I.Sc. (Integrated – CBCS)	2012-13	62	02	07	22	78
M.L.I.Sc. (Integrated – CBCS)	2013-14	47	03	18	12	88

33. Diversity of students: from 2007 - 2013

Name of the Programme (refer to question no. 4)	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.L.I.Sc.	2007-08	94	06	00	00
M.L.I.Sc.		93	07	00	00
B.L.I.Sc.	2008-09	65 (27% dropout)	08	00	00
M.L.I.Sc.		96	04	00	00
M.L.I.Sc. (Integrated)	2009-10	82 (14% dropout)	04	00	00
M.L.I.Sc. (Regular)		90	10	00	00
M.L.I.Sc. (Integrated)	2010-11	93	07	00	00
M.L.I.Sc. (Integrated)	2011-12	85	15	00	00
M.L.I.Sc. (Integrated)	2012-13	92	08	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.  
 NET: SC – 05 and Non reserved – 03, SET: SC - 09 and Non reserved - 05

35. Student progression

Student progression	Percentage against enrolled
UG to PG	80%
PG to M.Phil	---
PG to Ph.D.	---
Ph.D. to Post – Doctoral	---
Employed * Campus selection * Other than campus recruitment	100%
Entrepreneurs	---

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	---
From the universities within the State	1
From universities from other States from	---
From universities outside the country	---

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - None

38. Present details of departmental infrastructural facilities with regard to

- Library – 4,500books and 15 Journals
- Internet facilities for staff and students – two system for staff and one for student
- Total number of class rooms
- Class rooms with ICT facility
- Students laboratories
- Research laboratories

39. List of doctoral, post-doctoral students and Research Associates – none  
\* from the host institution/university  
\* from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. : None

41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology. Not undergone

42. Does the department obtain feedback from
- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? – Yes, by implementing such feedbacks
  - \* students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? By improving their capacity of learning
  - \* alumni and employers on the Programmes offered and how does the department utilize the feedback? By incorporating feedback in syllabus and teaching methods
43. List the distinguished alumni of the department (maximum 10) : list attached
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts. list attached
45. List the teaching methods adopted by the faculty for different Programmes.
1. Lectures (Chalk and Talk)
  2. Presentation – use of IT and ICT equipment
  3. Assignments
  4. Student's presentation
  5. Self-study
  6. Group discussion
  7. Project work
  8. Field work
  9. Study tour
  10. Industry visit
  11. Role play
  12. Active learning
46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
1. By providing high quality teaching and learning.
  2. Maximize utility of learning resources.
  3. Providing field and industrial experience
  4. Continual assessment and guidance
  5. By inviting subject experts
  6. By organising conference, seminar and workshop to keep students aware with latest trends

47. Highlight the participation of students and faculty in extension activities.
  1. Promotional activities like exhibition
  2. Participation in organisation of seminar and conferences
  3. Curricular and Co-curricular participation
  4. Played active role in nationally celebrated days And events
48. Give details of “beyond syllabus scholarly activities” of the department. :  
organised Seminars, Conferences and academic tours.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. By preparing Information Products on need base and on current trends
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strength :** Students, Faculty, Professionals, Professional groups and ethical practice

**Weakness :** lack of infrastructure

**Opportunity :** To develop new generation of quality professionals, Generating Knowledge workers, Exploitation of information resources, dedication in the development of the department and Grabbing opportunity to work dedicatedly in the interest of development of the institute

**Threat :** Information Technologist who think that libraries can be managed by only IT people.

52. Future plans of the department.
  1. To have full-fledged faculty with adequate qualification
  2. To start Ph.D. Programme
  3. Would like to start short term courses
  4. Would like to contribute more efficient professionals to the society
  5. Would like to contribute more scholars
  6. Would like to develop good IT literate professionals with adequate computer lab.

**33. Department of Communication, Journalism  
&  
Centre for Development Communication**

1. Name of the Department :**Department of Communication, Journalism & Centre for Development Communication**
2. Year of establishment : **1982 & 1987**
3. Is the Department part of a School/Faculty of the university? : **University Department**
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : **PG**
5. Interdisciplinary Programmes and departments involved :**Media Education is by nature interdisciplinary**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.**UNICEF -Gujarat State, DECCU – ISRO Ahmedabad, EMMRC – Gujarat University**
7. Details of Programmes discontinued, if any, with reasons: **NIL**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :**Semester**
9. Participation of the department in the Courses offered by other departments :**Library & Information science and active participation with Youth welfare Department and Various NGOs.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual (including CAS &amp; MPS)</b>
Professor	---	---	---
Associate Professors	1	1	CAS
Asst. Professors			
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Sonal Pandya	B.A, B.C.J.P, M.J.S, M.Phil, Ph.D	Head & Asso.Professor	Environmental Communication & Development Communication	16 Years	M.Phil 3 students awarded degree & 5 Students are under process. 4 Students register Ph.D

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **We invite Experience media Professional and highly qualified Academicians as a Visiting Faculties.**
13. Percentage of classes taken by temporary faculty – Programme-wise information :**Only one full time Asso. Professor so for PG Programme eighteen lectures per week as per UGC norms.**
14. Programme-wise Student Teacher Ratio: **All are visiting faculties, so it's not applicable.**
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : **1 clerk & 1 peon**
16. Research thrust areas as recognized by major funding agencies : **NA**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : **NA**

18. Inter-institutional collaborative projects and associated grants received
  - a) National collaboration
  - b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
  - **UGC-SAP/CAS**
20. Research facility / centre with
  - \* state recognition : We have a separate departmental library / Mediaresearch centre (We establish this centre from private donor fund)
  - \* national recognition
  - \* international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies:**Media Research centre sponsored by individual donor.**
22. Publications :
  - \* Number of papers published in peer reviewed journals (national / international) : 3
  - \* Chapters in Books
  - \* Books with ISBN with details of publishers: **NA**
  - \* Citation Index – range / average
  - \* SNIP
  - \* SJR
  - \* Impact Factor – range / average
  - \* h-index
23. Details of patents and income generated :**NA**
24. Areas of consultancy and income generated :**NA**
25. Faculty selected nationally / internationally to visit other laboratories / institutions/industries in India and abroad : **Training on ‘Agro biodiversity, Food Sovereignty, and Communication’ in Rome-Italy, University of Biodiversity of Rome**
26. Faculty serving in
  - a) National committees
  - b) International committees
  - c) Editorial Boards
  - d) any other (please specify)
    - Member of Programme advisory board, AIR and Doordarshan, Ahmedabad, appointed by IB Ministry
    - Member of board of study Mass communication and journalism, North Gujarat University, Patan



- Member of School Management Committee, Adani Vidya Mandir, Ahmedabad
  - Member of academic council of 'Lok Bharati Sanosra' as an institution for rural higher education (located in Bhavnagar Dist. affiliation with Bhavnagar University, appointed as a UGC representative)
  - Appointed as a member of curriculum development committee for mass communication course, Pune University
  - In editorial board of news letter publication for higher education initiated by commissioner of higher education, Government of Gujarat
  - Life time member of library of IIM Ahmedabad (Indian Institution of Management)
  - Member of Governing body of consumer co-operative store of Gujarat University
  - Since 2008 working as sub editor of magazine called *Kodiyu* started by well known education philosopher Nanabhai Bhatt
  - Editor of developmental magazing called *Valonu* published by a *MARAG*
  - Life time member of library member of Gujarat Vidhyapeeth
  - Trustee of "Mahiti Adhikar Gujarat Pahel" from 2012
27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation Programmes, workshops, training Programmes and similar Programmes).
- Refresher - 2007
  - Orientation – 2007
  - Training of Doordarshan Producer - 2011
  - Workshop Conducted for All India Radio Producer - 2013
28. **Student projects**
- \* percentage of students doing projects in collaboration with other universities/industry/institute – 100 % Every Year
  - M.D.C students completed their Developmental exposure project work with 'Charkha' – Network for Development Communication actively work in Gujarat for Development Communication.
  - M.D.C Students had conducted research on socio economic status of Snake charmers (Traditional Entertainer) with VSSM, Ahmadabad in 2013.
  - M.D.C students had done project on Participatory research with school children and also made a film on that at Dharampur, Dist. Valsad with UNICEF in 2009.
  - MJS & MMCJ students completed their Developmental Exposure project work with "Charkha" – Network for Development Communication actively work in Gujarat for Development Communication.

29. Awards / recognitions received at the national and international level by
- Faculty
  - Doctoral / post doctoral fellows
  - Students
  - Ashmita Dave received an award from Gujarat Media Club for her best reporting for print in 2013.
  - CNN – IBM Heroes of India students from department - Mittal Patel received for her work “Empowerment and Rehabilitation of denotified Tribes in 2012.
  - Dhyey Mehta got the Best Ramp walk model of Gujarat award in Tihai Gujarati Glamour award in 2014.
  - Tushar Sadhu got the Best Print & TVC Model of Gujarat award in Tihai Gujarati Glamour award in 2014.
  - Niyati Mehta got the Best Reporting for the Television of Gujarat award in Tihai Gujarati Glamour award in 2014.
30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.
- “Ethics & Media” Information Dept. Government of Gujarat 2012-2013
  - “New Media, Corporate Communication & Journalism” PRSI (Public Relation Society of India) – 2012 – 2013
  - In 2013 Department has organized two day national workshop on “Gender and Alternative Media” with Indian Association for Women’s Studies.
31. Code of ethics for research followed by the departments : We motivate the students to select the topic on development communication and applied research. We have strong guidelines for dissertation at master’s level and we strictly follow it.

32. Student profile Programme-wise :

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MDC	654	64	69	81%	96%
BCJP	660	77	28	79%	96%
MJS	100	59	33	94%	95%
M.M.C.J.	664	60	45	57%	89%
M.Phil	31	5	7	60%	57%
Ph.D.	15	2	3		

33. Diversity of students :

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET : 2, IAS and other allied services : 2, GPSC : 7, Staff Selection Commission : 1

35. Student progression

<b>Student progression</b>	<b>Percentage against enrolled</b>
UG to PG	80%
PG to M.Phil.	<ul style="list-style-type: none"> <li>➤ 2010 – 4 Student (MDC)</li> <li>➤ 2010 – 5 Student (MMCJ)</li> <li>➤ 2011 – 0 Student (MDC)</li> <li>➤ 2011 – 5 Student (MMCJ)</li> <li>➤ 2012 – 0 Student (MDC)</li> <li>➤ 2012 – 5 Student (MMCJ)</li> <li>➤ 2013 – 1 Student (MDC)</li> <li>➤ 2013 – 5 Student (MMCJ)</li> </ul>
PG to Ph.D.	<ul style="list-style-type: none"> <li>➤ 2013 – 1 Student (MDC)</li> <li>➤ 2013 – 4 Student (MMCJ)</li> </ul>
Ph.D. to Post – Doctoral	---
Employed * Campus selection * Other than campus recruitment	<ul style="list-style-type: none"> <li>➤ 2007 – 80 % (MDC)</li> <li>➤ 2007 –60% (MMCJ)</li> <li>➤ 2008 – 90 % (MDC)</li> <li>➤ 2008 –65% (MMCJ)</li> <li>➤ 2009 – 95 % (MDC)</li> <li>➤ 2009 –80% (MMCJ)</li> <li>➤ 2010 – 100 % (MDC)</li> <li>➤ 2010 –100% (MMCJ)</li> <li>➤ 2011 – 100 % (MDC)</li> <li>➤ 2011 –100% (MMCJ)</li> <li>➤ 2012 – 95 % (MDC)</li> <li>➤ 2012 –95% (MMCJ)</li> <li>➤ 2013 – 100 % (MDC)</li> <li>➤ 2013 –100% (MMCJ)</li> <li>➤ 2014 – 100 % (MDC)</li> <li>➤ 2014 –100% (MMCJ)</li> </ul>
Entrepreneurs	10 % to 20 % every Year (2007 to 2014)

36. Diversity of staff : NA

<b>Percentage of faculty who are graduates</b>	
Of the same university	
From other universities within the State	
From universities from other States	
From universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : **Nil**

38. Present details of departmental infrastructural facilities with regard to
- Library : Research Library
  - Internet facilities for staff and students : Yes - Computer lab for students
  - Total number of class rooms : 5 Class rooms
  - Class rooms with ICT facility : Conference Room, Seminar Hall, Workshop Room
  - Students' laboratories : Computer lab , Studio, Workshop room
  - Research laboratories : Media research Lab
39. List of doctoral, post-doctoral students and Research Associates
- \* from the host institution/university Three Doctoral Students associated with department – 1) Dr. Drasti Patel 2) Dr. Dhimant Purohit 3) Dr. Pradeep Malik
  - \* from other institutions/universities
40. Number of post graduate students getting financial assistance from the university.  
**As per the norms of state government/ Central Government S.C., S.T., S.E.B.C and students from minority received scholarship on regular basis.**
41. Was any need assessment exercise undertaken before the development of new Programme(s)? If so, highlight the methodology.
- **For MDC Programme**
    - In the year 2010-11 centre introduced semester system for evaluation. They revised the curriculum with the help of the Alumni's feedback. We have conducted FGD with development media professionals for the same.
  - **For MMCJ Programme**
    - We conducted number of FGD with media professionals
    - As a chairperson of curriculum development committee Dr. Sonal pandya studied the curriculum of more than 30 universities across the globe.
    - Respected Vice chancellor selected the member for curriculum design committee those who were eminent professors and experienced media professionals so we can minimize the distance between class room and News room.

➤ **For M.Phil.Programme**

- When we design M.Phil Programme we were very clear that this is research degree so we introduced new paper of Media Case Studies.

➤ **For M.Phil Programme**

- Students teaching ability as expected qualities so we added a complete new paper of Media Teaching. In this practical paper students have to take 15 lectures at post graduation level not only that but they have to submit the complete Report of lectures.

42. **Does the department obtain feedback from**

- \* faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :
  - Majority of our faculty members are visiting faculty so on day to day basis we are taking feedback from the students if we received negative feedback of the faculty we discontinue them.
- \* Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :
  - In our new curriculum we created enough flexibility in our Training module so as per the requirement and as per the time and faculties desire, changes are possible. For Example: Documentary making is part of curriculum students and faculty members are free to select the subject of Documentary.
  - Magazine and News paper Production is also part of our curriculum students and project guide are free to select the subject for their Newspaper content.
  - MDC is a unique course so they have one month internships with NGO's for the exposure of Development Communication.
  - We have 15 days special Rural Internship where students have to stay in the village.
  - *Special note* : Almost our 40 to 50 % of curriculum is Training based and our Training Modules are completely participatory and feedback oriented.
- \* alumni and employers on the Programmes offered and how does the department utilize the feedback? :
  - Our alumni's are media professionals. After having the professional experience many of them are the visiting faculty of the department so this kind of visiting faculties are the bridges between academics and media profession.

43. List the distinguished alumni of the department (maximum 10)
- Alumni of M D C Programmes
    1. Madhu Menon, 2. Sunetra Deshpande, 3. Rajeev Pathak, 4. Paresh Vyas, 5. Aditi Varma, 6. Maulik Raval, 7. Kaushal Upadhyay, 8. Carloine Sudan, 9. Ankur Jain, 10. Jinis Panchal, 11. Urvi Velani
  - Alumni of Journalism Programmes
    1. Trilok Sanghani, 2. Ajay Nayak, 3. Dr. Sharad Vyas, 4. Mahendra Chanudhary, 5. Vijay Parikh, 6. Dr. Rajshree Swaminarayan, 7. Mittal Patel, 8. Niyati Mehta, 9. Suneeti Sharma, 10. Jigar Khunt
44. Give details of student enrichment Programmes (special lectures / workshops / seminar) involving external experts.
- Photography Workshop
  - Puppet Making Workshop
  - Orientation Workshop
  - Media Package Workshop
  - Theatre Workshop
  - Audio Visual Workshop
  - Audio (Radio) Workshop
  - Bhavai Workshop
  - Film Appreciation
  - Documentary Film Making
  - Communication Skill Workshop
  - Print-Press Workshop
  - Media Research Workshop
  - Special Lectures on Media Research, Development Communication and Rural Exposure
45. List the teaching methods adopted by the faculty for different Programmes.
- Power Point Presentation
  - Audio Visual Production
  - Puppet as a medium
  - Bhavai as a folk medium
  - Theatre as a Medium
  - Compulsory Print Internship, NGO internship, Rural Internship.
  - Compulsory Training in Television Programme Production Media Houses
  - Educational Field Visits like Doordarshan, EMMRC, News paper organization and TV news Studio, Library, Radio Station, Ramoji Film City, Film and television Institute-Pune ect...

46. How does the department ensure that Programme objectives are constantly met and learning outcomes are monitored?
- Taking regular feedback from the students
  - Taking regular feedback from the media professionals
  - Placement Ratio increases every year
  - Every year more and more Media Companies, Advertise Agencies, Public Relation Companies and NGOs are coming in our campus placement fare
47. Highlight the participation of students and faculty in extension activities.
- We do perform street theatre performance every year on different social issues at various places of Ahmedabad city.
  - MDC Students has made a film on our department and it's available on the Gujarat Universities Website.
  - We do make a film on various Social issues. Many organizations are using our film as Training and Teaching aids.
  - As a part of study we sent students for NGOs internship and they do work for NGOs as a Trainee.
48. Give details of “beyond syllabus scholarly activities” of the department.
- We celebrated 50 years of Television in India in 2009
  - In 2010 & 2011 Royal Roads University of British Colombia visited our department with 32 students.
  - We celebrated world radio day in 2014.
  - We celebrate “Garaba” as an Alumni get-together every year.
49. State whether the Programme/ department is accredited/ graded by other agencies? If yes, give details. : **Nil**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : **Nil**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- **Strengths :**
    - Job Placements almost 100 % every year
    - The only full time PG Programme on Development Communication in the country. So it is a unique contribution of the centre.
    - We are one of the best media teaching organizations in the Gujarat State. We are on the top in the preference list of the students.
    - Good Infrastructure



- Highly Qualified Visiting faculty
  - We are giving good education in very low price. So every year number of students joining our course those who are coming from economically challenge families.
  - Good repo with Media Industry.
- **Weakness :**
- No full time regular faculty
  - Due to admin work big research project is not possible.
  - We did good job in the area of media education but we are poor in documentation and publicity.
  - Lake of technical support in training
  - Media Production is costly and money demanding due to lake of financial autonomy we are unable to explore many good projects.
- **Opportunities :**
- After this course many opportunities are open for students, being a professional course student they can join media organizations.
  - They can be media entrepreneurs for example they can have their Media Production House or Communication agencies
  - They can join academic and they can explore the field of media Research also.
  - They can join Government services like Information and Broadcasting ministry, Publicity division
  - In many areas like Documentation and Communication for NGO's /GO's.
  - They can join organizations like UNDP, World Bank, UNICEF etc.
- **Challenges :**
- Media Industry is rapidly changing industry with the demand of the market it is the big challenge to change the syllabus with the demand of the Media market.
  - Many times students are not joining this course with clarity.
  - Media Industry is more and more market oriented in this context to survive any development communicator in main stream media itself is a challenge.
  - Development communication in India is mostly related with rural development issues in the era of liberalization and urbanization, it is a big challenge to motivate development students to work at grass root level.

52. Future plans of the department.

- Want to establish the internationally known centre for Development Communication.
- We are planning to go further with new concept of Village Adaption. In this concept we will try to enrich an empowered the village with various communication tools and techniques.
- We are interested to do in-depth policy level research in the area of development communication research.

In worldwide we hardly have an institution which is giving teaching and research exposure in the area of poverty and Mass media so we are interested to establish a special course on this issue.

## Jan Shikshan Sansthan

- To improve the occupational skills and technical knowledge of the neo-literates and the trainees and to raise their efficiency and increase productive ability;
- To provide academic and technical resource support to jilla saksharata samities in taking up vocational and skill development Programmes for neo-literates in both urban and rural areas;
- To serve as nodal continuing education centres and to co-ordinate, supervise and monitor 10-15 continuing education centres / nodal centres;
- To organize training and orientation courses for key resource persons, master trainers on designing, development and implementation of skill development Programmes under the scheme of Continuing Education for neo-literates;
- To organize equivalency Programmes through Open Learning Systems.
- To widen the range of knowledge and understanding of the social, economic and political systems in order to create a critical awareness about the environment.
- To promote national goals such as secularism, national integration, population and development women's equality protection and conservation of environment etc.

**Activities of last Five Years :** Need based Programme is organized according to the demands of the, trainees.

**Need Based Programme :** According to the need and demand of the trainee groups, training class is organized in the institutions premises.

**Skill information training Class :** Those Trainees, who have no information or know how in respect of new art and the new subjects, this type of training class is known as skilled information.

**Skilled up gradation Programme :** When some one is trained or has mastered the art, but if he is modern in his approach, then it will promote something new in the syllabus and that very thing will help in the development in his mastery. Training with such syllabus is known as skill up gradation training. E.g. one trainee just knows simple stitching work but if he is not well versed with fashionable Punjabi Suit and is not able to design the latest dresses, in order to get mastery over it, he must equip himself with new stitching style. For these types of people there are special training classes to overcome their weaknesses.

Jan Sikshan Sansthan is organizing the training and such other vocational courses every year some of them are listed here.

<b>Sr. No.</b>	<b>Training</b>	<b>Duration of Training</b>
1.	Auto Technician (Four Wheeler)	6 Months
2.	Refrigeration and A.C. Mod 1	6 Months
3.	Cutting and Tailoring Module 1	4 Months
4.	Dress Designing and Garment Making Mod. 1	4 Months
5.	Embroidery Module 3	4 Months
6.	Helpers for Hospitals and Nursing Homes	4 Months
7.	Beauty Culture and Health Care	3 Months
8.	Mobile Repairing	3 Months
9.	Repairing of Basic Electrical and House Wiring	3 Months
10.	Preparation Home Decorative Items	3 Months
11.	Fancy Cloth Bag Making	1 Month
12.	Heena Art	1 Month
13.	Pearl Jewellery Making	1 Month
14.	Tie and Dye	1 Month
15.	Crochet	1 Month

**KADAMB**  
**Study Abroad Programme & Indian Diaspora**

Centre named study abroad Programme was established for the need best short and long term Programmes to be offered to NRI, PIO and Foreign Students some of these are listed below.

- Indian Diaspora for Foreign Students
  - Studies in Gandhian Philosophy
  - Studies in Tribal Culture of Gujarat
  - Indian Languages
  - Artistic / Cultural Identities of India
  - Yoga and Meditation
  - Classical / Folk Dances of India
  - Indian Philosophy : Back to Future
  - Contexts of Indian Business Practices
  - Journalism and Public Relations
  - Indian Poetics
  - Indian Rural Management Skills
  - Indian Folk Dance and Music
  
- India Courses for NRIs
  - Indian Mythology
  - Art of Rangoli
  - Gandhi : The Man and His Philosophy
  - Film Music
  - Indian Films
  - Folk Arts and Festivals
  - Indian Cuisine
  - Mehndi
  - Indian Literature
  - Yoga & Meditation
  - Home Stay in India background
  - Indian Philosophy & Culture
  - Religions of India & Traditions

- Certificate courses in Foreign Languages
  - German
  - Russian
  - Chinese
  - Japanese
  - French
  - Spanish
  - Arabic
  - Organizational Communication
- M. Phil in Indian Diaspora
- Ph. D. in Indian Diaspora

Dr. Neerja Arun is the co-ordinator of the KADAM Study abroad Programme.

Her major contributions is to bring Gujarat University at the Global platform by heading Study Abroad Programme and running it successfully in collaboration with MHRD, Ed. CIL, Different embassies and different International Universities and Institutions.

# **Declaration**

## **by the Vice-Chancellor**

### **Gujarat University, Ahmedabad-380009.**

I certify that the data included in this Re-Accreditation Report (RAR) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this RAR during the peer team visit.



**Dr. M.N. Patel**

Place: Ahmedabad.

Date: 18-10-2014.



शक्ति के आभाव में विश्वास किसी काम का नहीं,  
विश्वास और शक्ति दोनों किसी महान कार्य करने के लिए अनिवार्य हैं।

Shri Sardar Vallabhbhai Patel