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ગુજરાત યુનિવર્સિટી  
GUJARAT UNIVERSITY

ગુજરાત યુનિવર્સિટી કાર્યાલય,  
પોસ્ટ બોક્સ નં.4010  
નવરંગપુરા, અમદાવાદ-380 009.

OFFICE OF THE GUJARAT UNIVERSITY  
POST BOX NO.4010, NAVARANGPURA,  
AHMEDABAD – 380 009

BY SPEED POST

To,

The Director  
National Assessment and Accreditation Council  
P.O. Box 1075, Nagarbhavi  
BANGALURU 560 072

Sub: SUBMISSION REPORT

Dear Sir,

The Annual Quality Assurance Report for the year 2007-08 of Gujarat University, Ahmedabad is hereby submitted as required after accreditation of the University by NAAC.

Kindly acknowledge receipt.

Thanking you,

Yours faithfully,

M.S.SHAH  
I/C REGISTRAR

V.CHARI  
COORDINATOR IQAC

Encl : Report for 2007-08

### COMMUNICATION DETAILS

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**GUJARAT UNIVERSITY**

**GUJARAT  
UNIVERSITY  
AHMEDABAD**

**ANNUAL  
QUALITY  
ASSURANCE  
REPORT  
2007-08**





**ANNUAL**  
**QUALITY ASSURANCE**  
**REPORT**

**GUJARAT UNIVERSITY**  
**AHMEDABAD – 380 009**

**FOR THE YEAR 2007-08**

**SUBMITTED TO**

**THE NATIONAL ACCREDITATION AND**  
**ASSESSMENT COUNCIL, BANGLORE**

## PREFACE

Gujarat University is the oldest and largest university of the state. It underwent the accreditation process by NAAC in 2006-07. The quality of education provided by this university was duly recognized by NAAC as the university was given B++ grade (83.1%). Since then the university has been strongly striving for further quality enhancement in order to achieve its vision of 'Being a centre of excellence, providing value based quality education efficiently with financial sustainability leading to socio-economic welfare of the society through enrichment of human capital'. The highlights of these efforts are given below:

1. Several **new programmes** were introduced during the year, which include one at P.G. level, three at P.G. Diploma level and one at Certificate level. Most of these were innovative and multi-disciplinary programmes such as courses related to **Human Genetics, Bio-Diversity Management, Plant Tissue Culture and Port Management**.
2. In order to become a truly global university a very unique the **STUDY ABROAD PROGRAMME** was introduced. This specially catered to fulfill the demand for courses totally embedded in the Indian ethos for foreign students. These students could select several short term courses out of a wide range of subjects related to India spanning business, culture, history, arts, music, film, and

dance to Indian cuisine. The backbone was formed by a compulsory course on **Gandhian Philosophy**. The courses were so designed that the students could avail of matching credits in their home universities. Collaboration was established with **EDUCATION COUNCIL OF INDIA LIMITED, New Delhi** through which many foreign students from developing countries like **Nepal, Bhutan and Afghanistan** were provided opportunity to undergo graduation in the affiliated colleges of this university. **Three students** from **USA** have already completed a full semester under this programme in India.

3. The introduction of new courses was not restricted to the university departments only but the affiliated colleges were also encouraged to introduce new courses especially under the **CAREER ORIENTED PROGRAMMES** of UGC. During the year thirty five different courses were introduced under career oriented programmes in ten colleges.
4. Amongst the younger faculty members four faculty members participated in **Orientation courses** conducted by academic staff colleges of UGC and five faculty members underwent **refresher courses** in their respective subjects.
5. During the year the university departments organized **nine seminars, one conference and one workshop**, for which funding

was provided by organizations like **University Grants Commission, Forward Markets Commission, Ahmedabad Commodity Exchange etc.**

6. **Thirteen guest lectures** were delivered by eminent scholars in **Economics, Political science, Education and Gujarati department.**
7. Research publications have been strong points of the university faculty. A total of **179 Research papers** were published in International/National/State level Journals.
8. The university journal **Vidya** and the newsletter **Vidyavrutt** were published regularly. A total of **25** research articles were published in vidya during the year. Vidyavrutt covered news from university, its school and departments and affiliated colleges. Important news items related to UGC, the state government and other institutions of higher education were also published in Vidyavrutt.
9. The university entered into two **MoUs** with the organizations like **British Petroleum and Wroclaw University, Poland.**
10. Beginning with the Vice-Chancellor many awards were conferred on the faculty members of the university. Notable amongst them were **Shiksha Rattan Puraskar** for outstanding and remarkable performance in the area of education by India International Friendship Society, New Delhi and **Gujarat Shresth** award for the

valued contribution in education area by **Padma Gandhi Foundation**. Conferred on the Vice-Chancellor. Apart from these **nine other faculty members received various awards** for their research work.

11. A total of **134** students appeared **in various public exams like IAS, NET/GSLET** etc.

12. A total of **21 scholars** from various schools and departments of the university were awarded **Ph.D. Degree** during the year.

13. During the year **four faculty members** visited **USA, Poland, Singapore and China** to present papers and participate in international conferences/seminars and thirty one faculty members visited twenty five different institutions in many cities to participate and present papers in various seminars and conferences.

This report has been prepared as per the NAAC guidelines. The Statistical Abstract Table below provides a comprehensive statistical progress profile of the university after the submission of SSR.

Each and every stake holder of the university beginning with the teachers, the administrative staff, officers, students, members of various bodies of the university have contributed fully towards quality enhancement process. Here I would like to put my



appreciation of their contribution and support in putting this university on a firm footing in the global arena.

DR. PARIMAL H. TRIVEDI  
VICE-CHANCELLOR

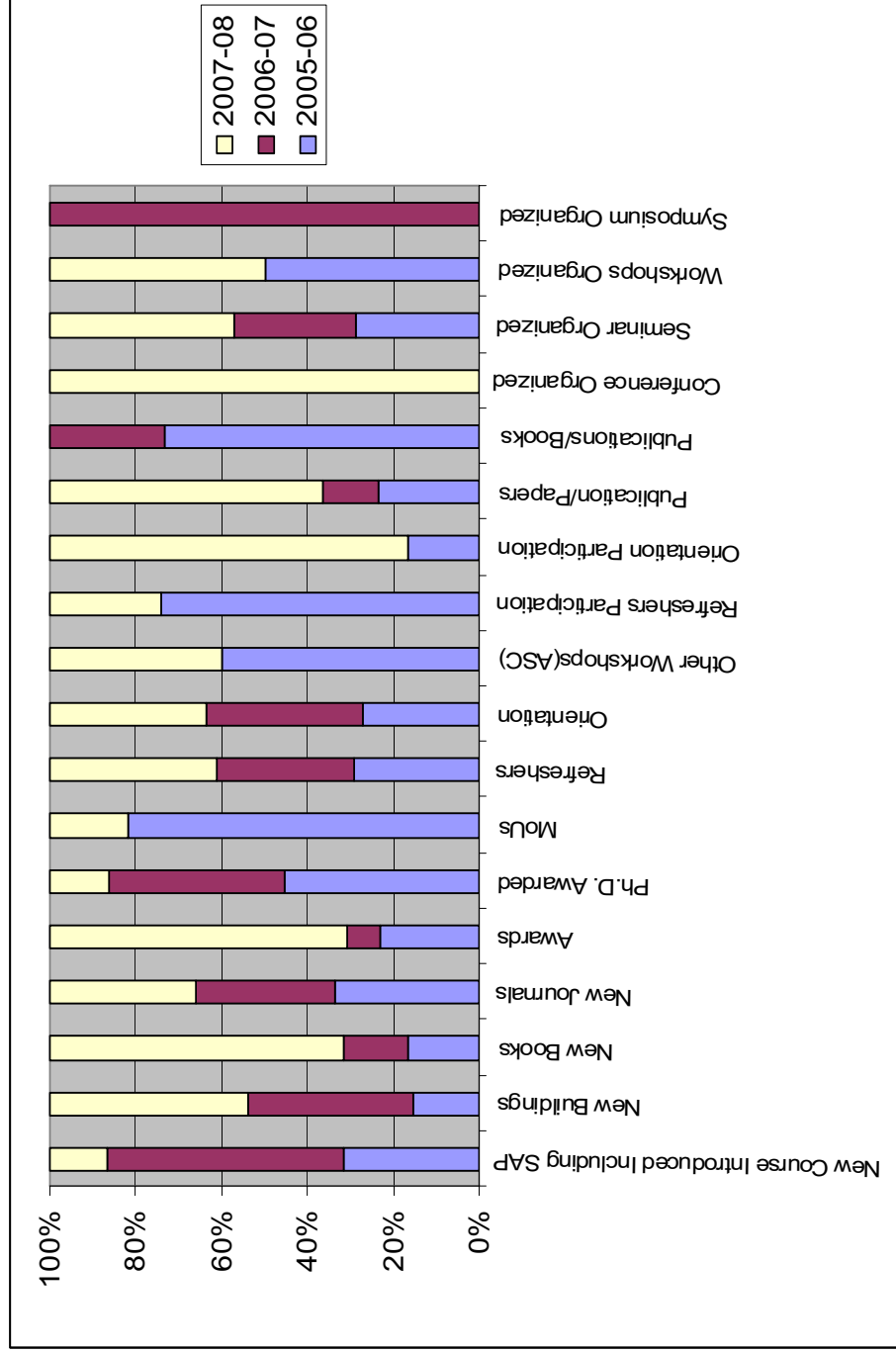
## STATISTICAL ABSTRACT OF UNIVERSITY ACHIEVEMENTS

Sr. No.		2005-06	2006-07	2007-08
1	New Course Introduced Including SAP	12	21	5
2	New Buildings	2	5	6
3	New Books	624	568	2582
4	New Journals	218	208	220
5	Awards	3	1	9
6	Ph.D. Awarded	69	62	21
7	No.of Students	221353	227091	261849
8	MoUs	9	0	2
9	Refreshers	9	10	12
10	Orientation	3	4	4
11	Other Workshops(ASC)	3	0	2
12	Refreshers Participation	17	0	6
13	Orientation Participation	1	0	5
14	Publication/Papers	66	37	179
15	Publications/Books	11	4	0
16	Conference Organized	0	0	1
17	Seminar Organized	6	6	9
18	Workshops Organized	1	0	1
19	Symposium Organized	0	2	0

Graphs I to VI provide the highlights of the achievements of the University during the last three years, based on the data given in table above.

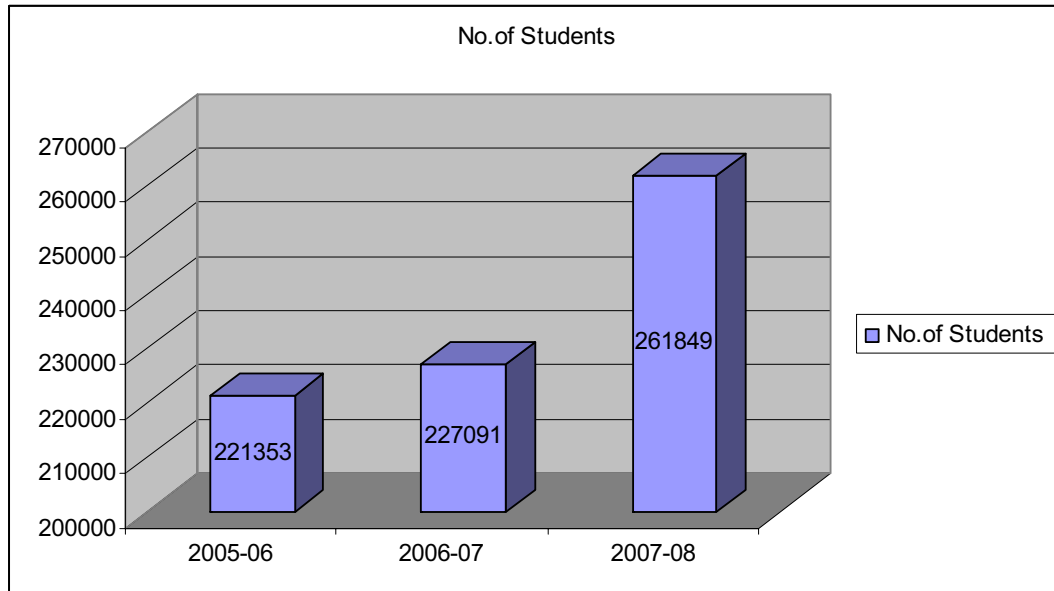
GRAPH - I

GRAPHICAL PRESENTATION OF UNIVERSITY ACHIEVEMENTS DURING 2005-2008



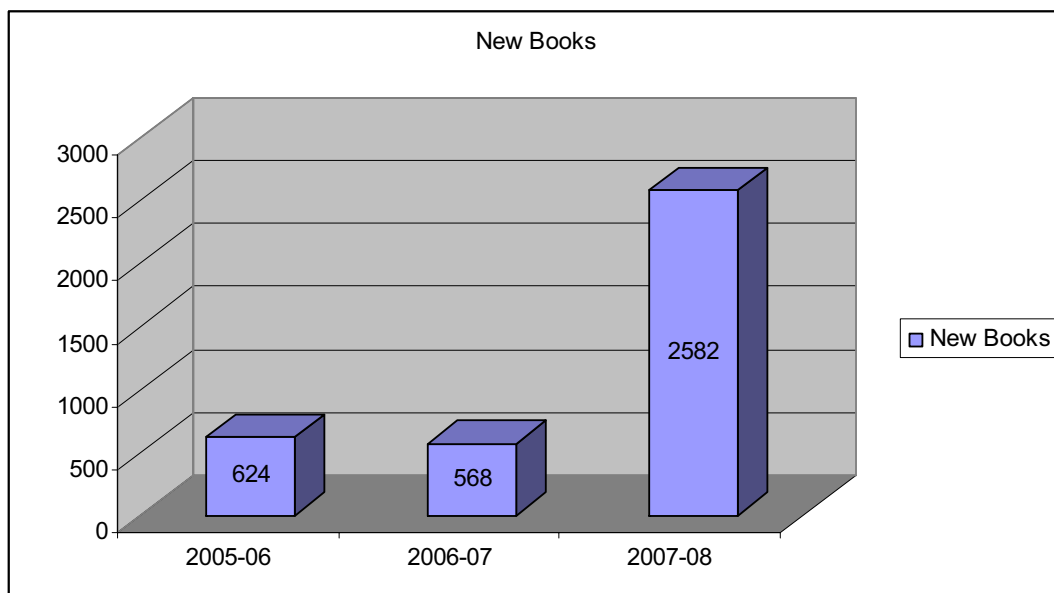
## GRAPH – II

### PROGRESS OF STUDENTS ENROLLEMENT



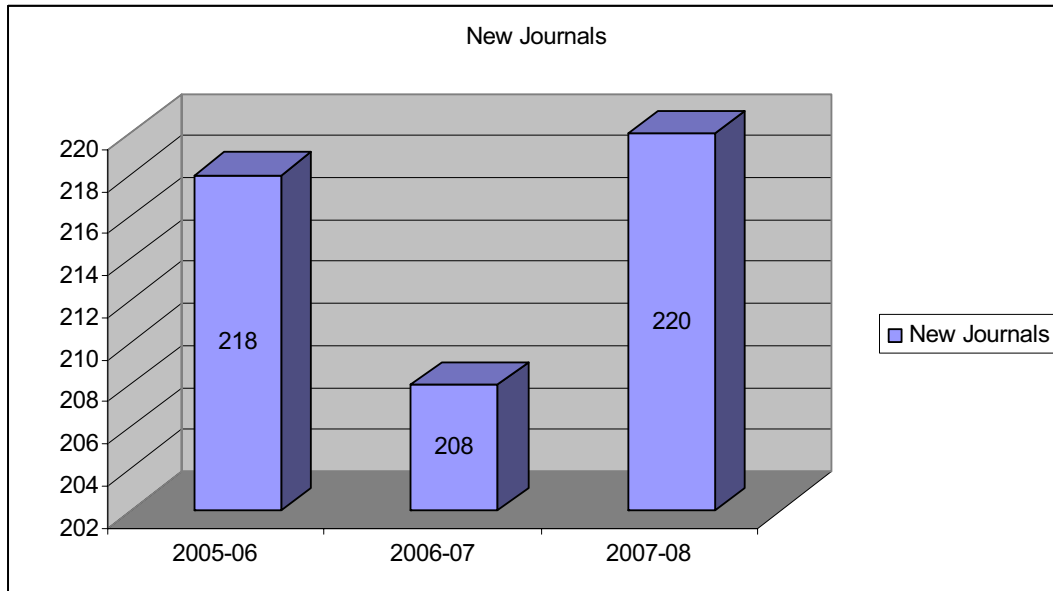
## GRAPH - III

### NEW BOOKS PURCHASED



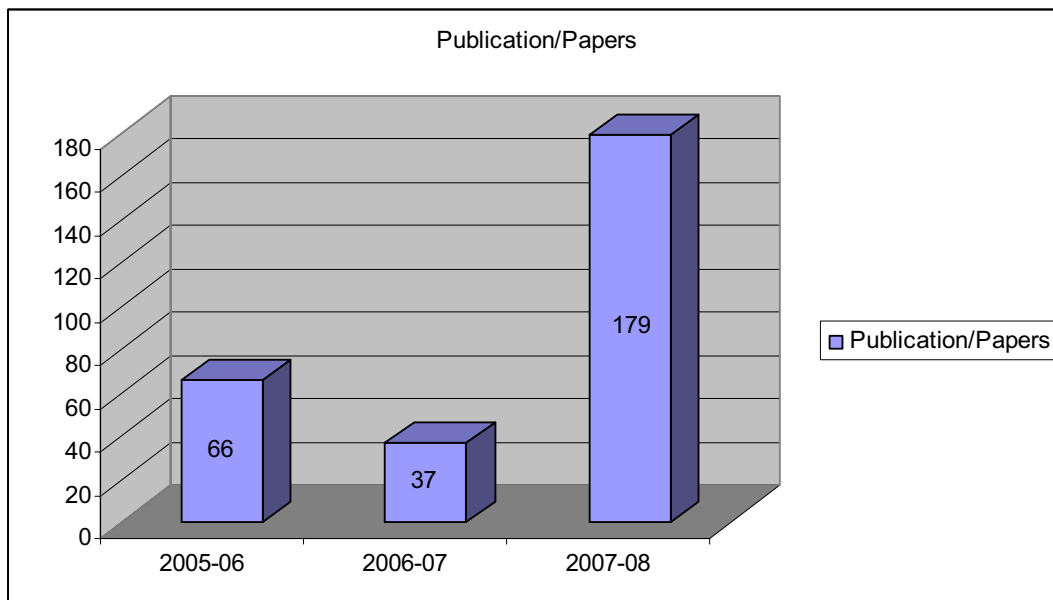
GRAPH - IV

NEW JOURNALS SUBSCRIBED



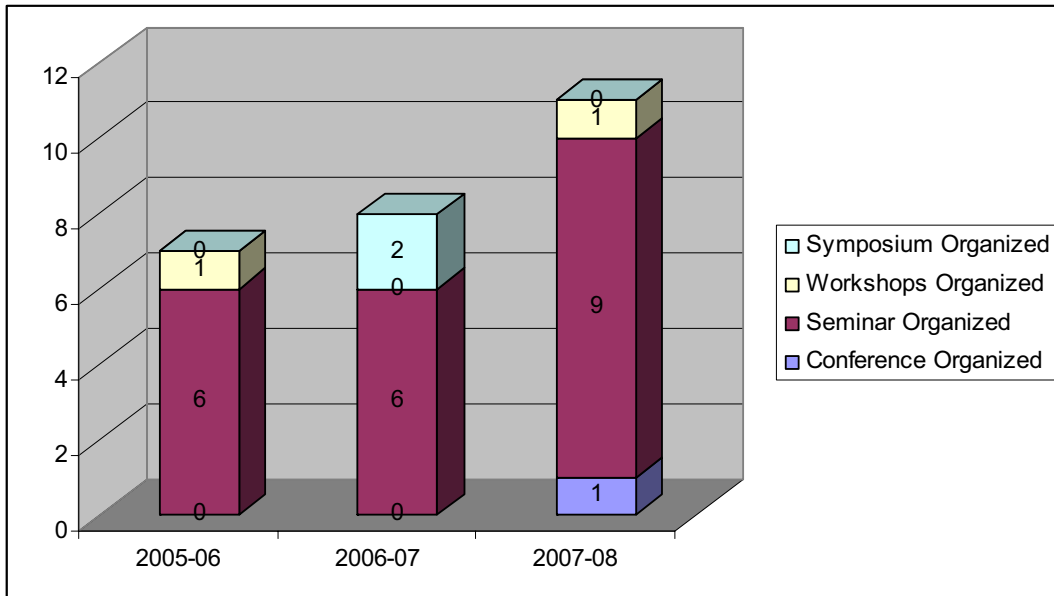
GRAPH - V

PUBLICATIONS BY FACULTY MEMBERS



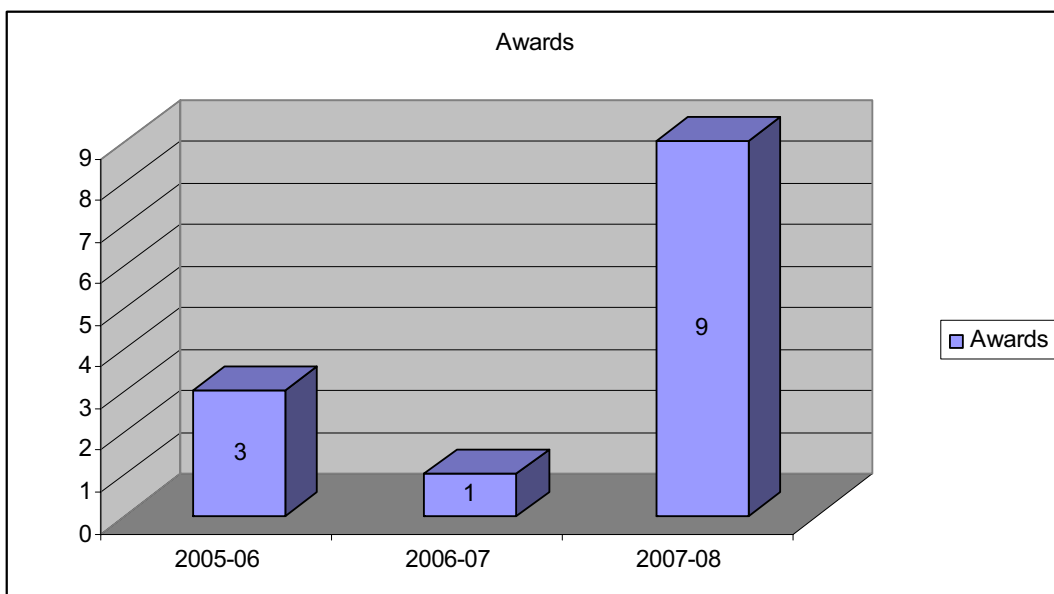
GRAPH – VI

ORGANISATION OF ACADEMIC EVENTS



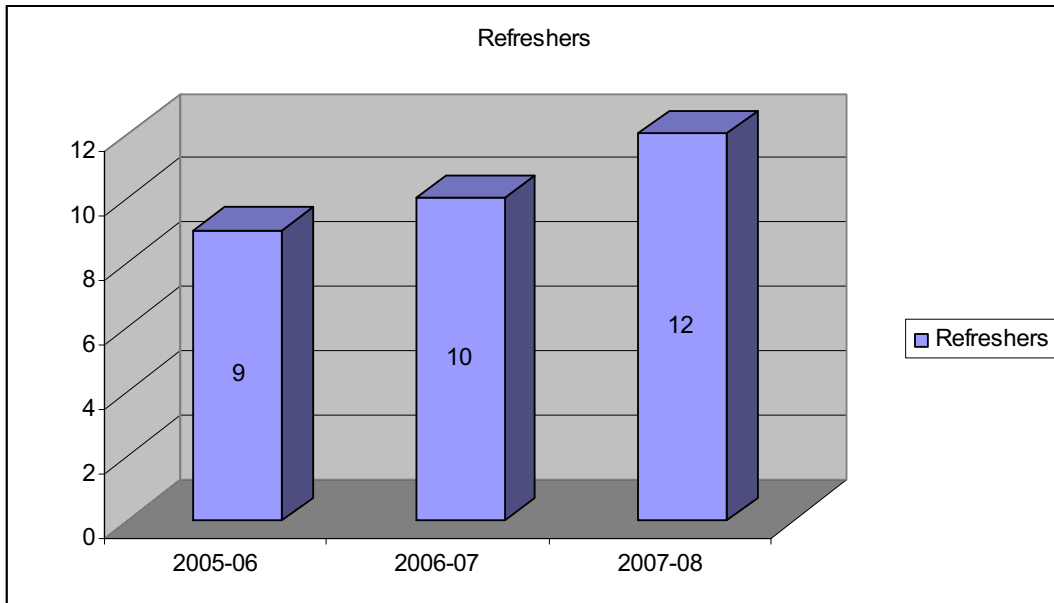
GRAPH – VII

AWARDS RECEIVED BY FACULTY MEMBERS



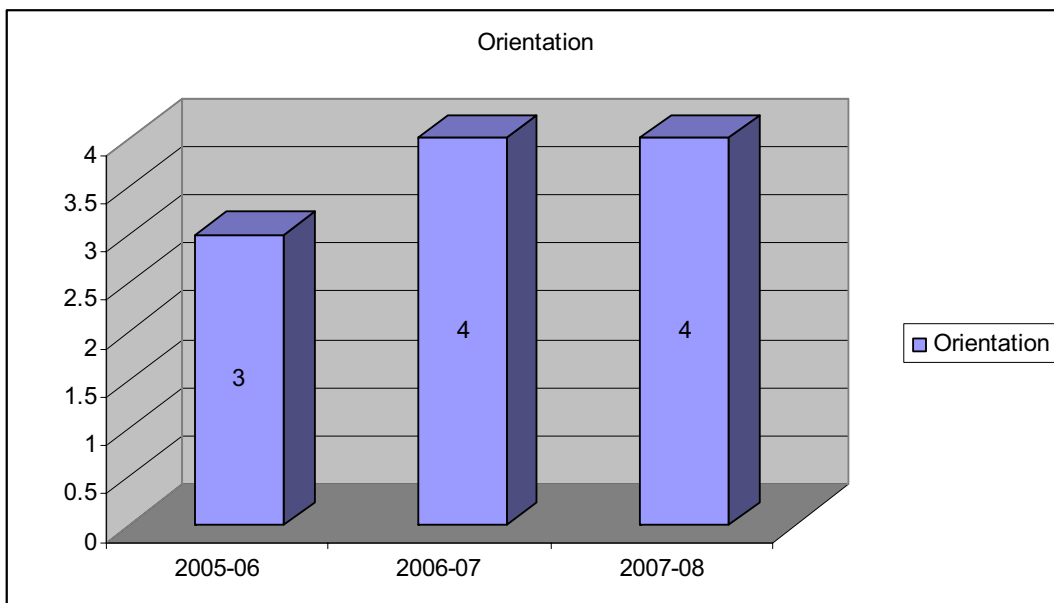
GRAPH – VIII

REFRESHER COURSES ATENDED BY FACULTY MEMBERS



GRAPH – IX

ORIENTATION COURSES ATENDED BY FACULTY MEMBERS





VISIT OF ASTRONAUT SUNITA WILLIAMS TO THE UNIVERSITY





PRESENTATION OF ACCOLADES TO ASTRONAUT SUNITA WILLIAMS



**SIGNING OF MoU WITH WROCKLOW UNIVERSITY, POLAND**



**SIGNING OF MoU WITH BRITISH PETROLEUM**

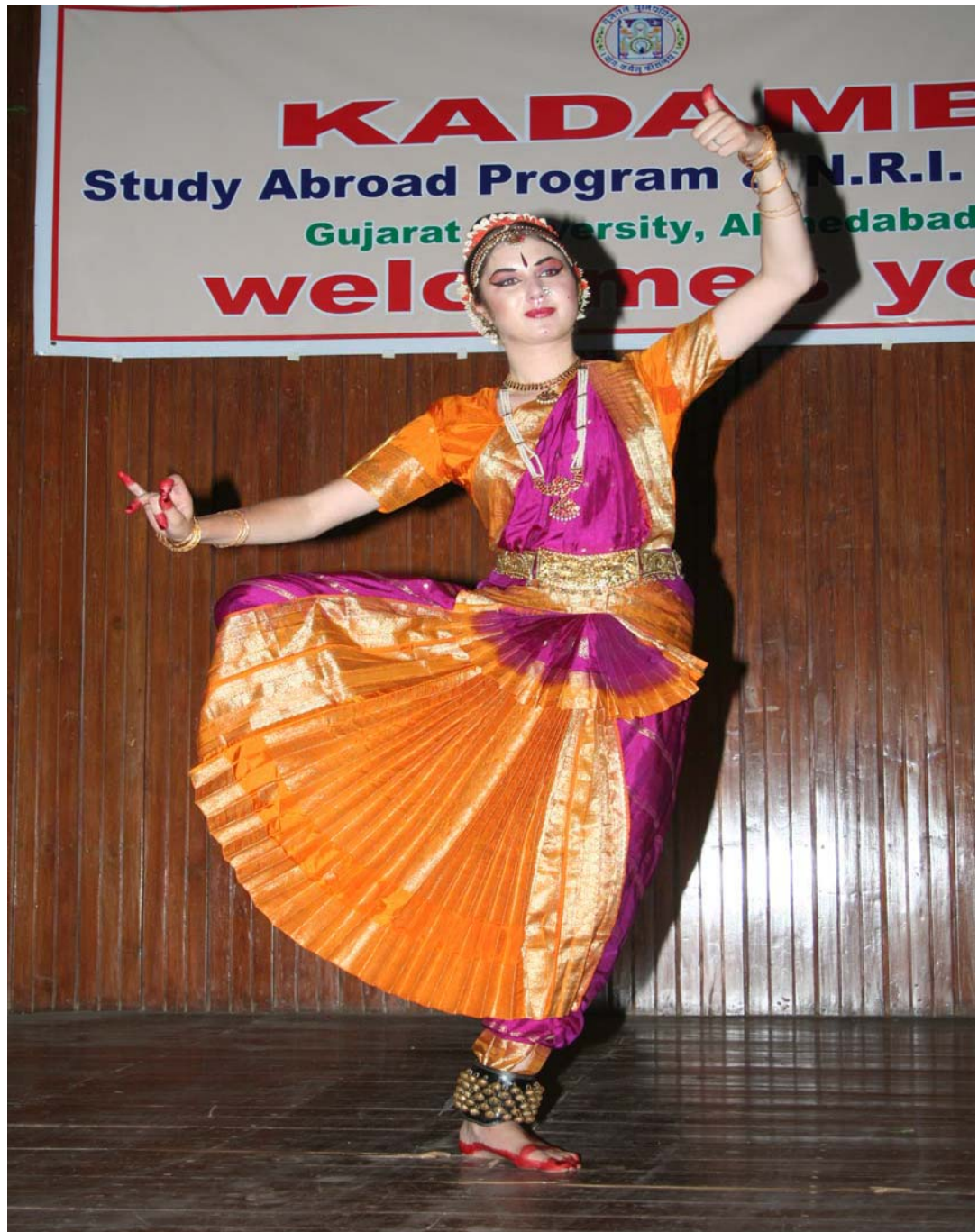


**SIGNING OF MOU WITH DEVENPORT UNIVERSITY, USA**





**MEETING WITH BRITISH HIGH COMMISSIONER**



**CLASSICAL DANCE PERFORMANCE AS PART  
OF COURSE REQUIREMENT BY MS. ANDREA  
SWATSKI OF USA  
STUDY ABROAD PROGRAMME**



**MUSIC PERFORMANCE AS PART OF COURSE REQUIREMENT BY MS. REBECCA  
OF USA  
STUDY ABROAD PROGRAMME**





**AWARD OF CERTIFICATE BY DR. PARIMAL TRIVEDI, VICE-CHANCELLOR,  
GUJARAT UNIVERSITY TO MS. REBECCA  
OF USA  
STUDY ABROAD PROGRAME**





**55<sup>TH</sup> CONVOCATION OF THE UNIVERSITY**

**CHIEF GUEST DR. BAKUL DHOLAKIA, DIRECTOR, INDIAN INSTITUTE OF  
MANAGEMENT, AHMEDABAD**



## 56<sup>TH</sup> CONVOCATION OF THE UNIVERSITY

**CHIEF GUEST DR. V. S. PRASAD, DIRECTOR, NATIONAL ACCREDITATION AND ASSESMENT COUNCIL, BANGALURU**



**CERTIFICATE AWARD CEREMONY OF NEW COURSE IN TAXATION BY CHIEF GUEST SMT. ANANDIBEN PATEL, EDUCATION MINISTER, GUJARAT STATE**





**CERTIFICATE AWARD CEREMONY OF NEW COURSE IN TAXATION BY CHIEF**

**GUEST SHRI VAJUBHAI VALA,  
FINANCE MINISTER, GUJARAT STATE**

## CONTENTS

Sr. No.	SECTION	PAGE Nos.
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2	FORMATION OF IQAC	7-9
3	PLANS FOR THE YEAR	10
4	ACTIVITIES FOR THE YEAR	11-86
5	PLANS FOR THE NEXT YEAR.	87-88

## **SPECIAL NOTE ON THE RECOMMENDATIONS OF THE PEER TEAM**

The NAAC Peer Team visited the campus in March 2007 and gave several suggestions in their report. In this special note point wise details regarding the actions taken on the suggestions of the Peer Team are given.

### 1. Building linkages with colleges

The University undertook a special drive to enable the colleges to undergo accreditation. Further approval has been granted for Career Oriented Programs to be implemented by the colleges. Further details are given in point No. 41 of the report.

### 2. College Development Council

This has already been established and Dr. Y. T. Jasrai, Head Botany Department has been given the charge.

### 3. Encouragement for R&D Activities, interdisciplinary courses and international linkages

A lot of encouragement was given to all the departments to enhance research activities and to develop linkages at international level. Details are given in point No.s 13, 11, 4 & 2 (interdisciplinary programs), and 40

#### 4. New Programs to be introduced

In view of the strengths of the University, the needs of the society and recent developments the world over, many new programs were introduced. Details are given in point No. 2

#### 5. Remedial courses and bridge courses

Work on introducing such courses is going on. More information is provided under point no. 2

#### 6. Changes in syllabi

An action plan to implement the semester system is being chalked out. Changes and additions in the existing syllabi are given in detail in point No. 3

#### 7. Computerization

Details of work done in this area are given in point No.s 25, 26, 27 & 28.

## 8. Grievance Redressal Cell and Placement Cell

A new state of art Students Information will be set up in the coming year and the Grievance Redressal Cell and the Placement Cell would operate out of it.

## 9. Academic And administrative audit

The modalities for establishing these systems are being worked out.

## 10. Filling vacant faculty and other positions

Work is going on for filling all vacancies at the earliest.

## 11. Students' Feedback and Self Appraisal

A system has been worked out and will be implemented from the coming year.

The self appraisal for faculty will be introduced soon while that for the administrative staff is under development.

## 12. Alumni Associations

It has not been possible to form an alumni association at university level.

Most of the departments have either formed these associations or are in the process of forming them. Further details are given in point No. 30



### 13. Industry Interaction Cell and IPR cell

The linkages established with industry are given in point No. 40. The university plans to introduce courses in IPR through which the IPR cell will be established.

### 14. Establishment of Board of Studies

The board of studies will be reconstituted in the coming year after the term of the current ones expire, as per the university provisions.

### 15. Linkage with INFLIBNET

The University has a V-sat link through which all the facilities of INFLIBNET are availed of.

### 16. Financial planning

As per the recommendations of the Peer Team, the academic calendar is following diligently. Every department and self-financed course formulates its own budget.

### 17. Functional autonomy to teaching departments

All the departments have full autonomy with regard to self-financed courses. However, some schedules are provided by the University for regular courses in view of management requirements and coordination.

### 18. Mentoring system

In view of the continuing shortage of staff mentoring system is not introduced as yet but it will be introduced once there is a full complement of staff.

### 19. Resource mobilization

The University has been leasing its extensive properties to garner additional resources. Considerable funds are generated through self financed programs. Further details are given in point No. 12.

### 20. Innovative approaches

Details about these are given in point No. 3

### 21. Modern equipments

Details about these are given in point No. point No. 26.

### 22. Research guides, flexible mechanism for research projects and choice based credit system

The University is slowly working towards these as the current system will take time to change.

### 23. Facilities for physically challenged

The University is planning to install more facilities for them.

### 24. University Science and Instrumentation Center

Efforts are on to put this back on a fully working level.

### 25. Perspective Plan

Work on this has already started and quite a lot of targets fixed under the XIth plan

**ANNUAL REPORT OF THE INTERNAL QUALITY ASSURANCE  
CELL OF GUJARAT UNIVERSITY, AHMEDABAD  
FOR THE YEAR 2007-08**

The accreditation process exercise of the University was an arduous task because of its long history and size. Even then, the University took just a few months to prepare the SSR and the Peer Team visited the University in March 2007. Throughout this exercise a very strong leadership was provided by the Vice-Chancellor.

The Internal Quality Assurance Cell of the university was formed after the grades were awarded as per the guidelines of NAAC.

The year which ended in April 2008 (as per the academic calendar) provided just about four months during which the IQAC could work. Therefore this report of the IQAC refers to the year 2007-2008.

Even in the short time available during the last academic year, a lot of activities took place. In this report information is provided on the basis of the main activities of the cell. Therefore, this report has the following sections:

<b>SECTION I</b>	<b>FORMATION OF IQAC</b>
<b>SECTION II</b>	<b>PLANS FOR THE YEAR</b>
<b>SECTION III</b>	<b>ACTIVITIES FOR THE YEAR</b>
<b>SECTION IV</b>	<b>PLANS FOR THE NEXT YEAR.</b>

## SECTION I. FORMATION OF IQAC

After receiving the accreditation from NAAC, the University formed the Internal Quality Assurance Cell. Its composition is as follows:

Dr.Parimal H.Trivedi, Vice-Chancellor - Chairperson

### MEMBERS

1. Dr.R.R.Navalgund, Director, Space Application Centre, Ahmedabad
  2. Dr.R.K.Patel, Director, U. N. Mehta Cardiology Institute, Civil Hospital Campus, Ahmedabad
  3. Dr. T.P.Singh, Director, Bhaskaracharya Institute of Space Applications and Geo Informatics, Gandhinagar
- From Gujarat University**
4. Dr.B.V.Patel, Dean, Science Faculty
  5. Prof.N.K.Pathak, Director, School of Law
  6. Dr.Sarla Achuthan, Director, B.K.School of Business Management
  7. Dr.Y.S.Shastri, Director, School of Psychology, Philo&Edu.
  8. Shri Kedarbhai Bhatt, Director, Rollwala Computer Center
  9. Dr.R.G.Bhatt, Head, Statistics Department
  10. Dr.Rajasi Clerk, Head, Labour Welfare Department
  11. Dr.Saloni Joshi, Head, Prakri/Pali Department
  12. Dr. H. C. Sardar, S.D. School of Commerce
  13. Shri M.S.Shah, I/C Registrar
  14. Smt.V.M.Padhiar, Development Officer
  15. Shri J.C.Lilani, Controller of Examinations
  16. Dr.V.Chari, S.D.School of Commerce - **Coordinator**

The NAAC accreditation process itself was an arduous task for the University. The foremost effort after the accreditation was to maintain the quality standard and to enhance it on a continuous basis. In view of the

vision and mission of the University, the focus of the IQAC was as follows:

- The quality enhancement efforts should cover all the population under the jurisdiction of the University.
- Quality enhancement efforts should be aimed at the welfare of the society
- It should be a continuous process
- It should be internalized

## **SECTION II      PLANS FOR THE YEAR**

The plans for the year covered the following areas:

1. Introduction of new courses with enhanced job potential
2. Improvement in computerization of the system
3. Infrastructure development
4. Encouragement for Research and other co-curricular activities
5. Continuity in quality enhancement in curriculum development
6. Internalization of the process through development of feedback Mechanism
7. Augmentation of the student intake in several courses

### **SECTION - III ACTIVITIES DURING THE YEAR.**

In this part the major activities relating to quality maintenance and quality enhancement are described.

As stated above, there was very little time available for the performance of the IQAC in this academic year. Nevertheless, under the able supervision of the Vice-Chancellor, a lot of activity took place on and off the campus. Besides, there were some very remarkable events which were not initially planned. Therefore, in this section all the major activities which occurred during the year are briefly described as per the IQAC format. There were several activities specially undertaken by the University which could not be properly accommodated in the format and therefore they are described hereunder as notable events.

#### **NOTABLE EVENTS**

- On September 22, 2007 Astronaut Sunita Williams paid a visit to Gujarat University. This was the only University in India to have the honor of her visit. She was awarded “Accolades for her Astronomical Achievements” by Gujarat University. A vast audience of students received tremendous encouragement through her address. The Hon’ble chief Minister of Gujarat State, Shri Narendra Modi and the State Education Minister, Smt. Anandiben Patel provided full encouragement for the event with their presence during the occasion.
- Dr.Parimal Trivedi, Vice-Chancellor awarded “Shiksharatna” award by Indian International Friendship Society.



- Dr.Parimal Trivedi,Vice-Chancellor awarded “Gurjarshreshtha” award by Padma Gandhi Foundation.
- Tree Plantation drive in the campus in collaboration with State Bank of India
- Grand celebration of Independence Day and Republic Day in the campus
- Distribution of certificate for NCC cadets and sportspersons on Independence Day. Sports persons were also awarded blazers.
- Techno Event at K.S.School of Business Management, November 2, 2007
- One day exhibition organized by Department of Psychology during the one week event on mental health on October 9, 2007.
- Informative lecture on Thalassaemia delivered by Shri M.D.Mankad at School of Social Sciences on Oct 10, 2007
- Exhibition on “Plants that Heal” organized by Botany Department on August 21, 2007.
- Four students of K.S.School of Business Management attended a Summer Training program at Birmingham College, U.K. during June 6, 2007 to July 10, 2007.
- Debate competition on literature of Premchand, Hindi Department and Urdu department, July 31, 2007
- Biannual convention of Geography Association organized by Geography Department on July 15, 2007.

## **1. ACTIVITIES REFLECTING THE GOALS AND OBJECTIVES OF THE INSTITUTIONS.**

The main goals of the University are:

- a) Empowering Students through modern syllabi
- b) Innovation in Teaching
- c) Promotion of Research, Consultancy & Extension for the benefits of the society
- d) Quality Improvement to enhance Global Competitiveness

In order to fulfill these, the activities on which special focus was given were:

- i) Introduction of new innovative courses with high potential for employment
- ii) Technology up gradation
- iii) Developing international linkages
- iv) Increasing focus on student centric activities
- v) Encouraging research
- vi) Skill development of non-teaching staff.

## **2. NEW COURSES ADDED DURING THE YEAR**

The University intends to increase the capabilities of its students so that they can stand global competition. In order to fulfill this goal, the University has been planning and introducing many new courses in its campus. It has also encouraged the affiliated colleges to introduce new courses and especially those which are very career-oriented. Since the list of such career oriented programmes is very large, information only about the courses introduced in the University teaching departments is given. The details of the new courses are given in Table - I below.

**TABLE-I**

**NEW COURSES INTRODUCED DURING THE YEAR 2007-08**

Sr. No.	Name of Dept.	Name of course	Single/Multi disciplinary	Category (PG Degree, M.Phil, Diploma, Certificate)	Course Pattern (Annual/Semester/Trimester)	Batch Size	Reservation	Eligibility Criterion	Finance mode	Total course fee per student	No. of Papers	Project/Field work	Employment area	MoU
1	Urdu	Urdu Certificate Course		Certificate	4 Months	36				500	2			
2	Botany	P.G.Diploma in Plant Tissue		P.G. Diploma	1 Year	15		Graduation	S.F.	9000 (Regular 10 Seats) 15000(High Fees 5 Seats)			Research & Field Work	
3	Botany	P.G.Diploma in Biodiversity Management		P.G. Diploma	1 Year	15		Graduation	S.F.	9000 (Regular 10 Seats) 15000(High Fees 5 Seats)			Research & Field Work	
4	Zoology	Human Genetics	Multi disciplinary	P.G.	2 Year	10	1	Graduation	S.F.	25000 (Regular Per Term) 75000 (High Fees Per Term)	6	Project Work in 2nd Year & Field Work is Party	Pharma Industries, Research Institutes, Teaching, Clinical Research	Negotiating with FSC(Gandhinagar), GCRI(Ahmedabad) and in teaching and research.GSBTM(Gandhinagar)
5	B. K. School	P.G.Diploma in Port-Management	Multi disciplinary	P.G.Diploma	2 Years	30 22	As per Rules	Graduation	S.F.	Rs. 42000/- for two years (Merit) and Rs.82000/- for two years (Sponsored seat)	20	Summer training of eight weeks and project work of 10-12 weeks	Port and Logistics, and Shipping	MoU with several organisations

### 3. INNOVATION IN CURRICULLUM DESIGN AND TRANSACTIONS

Some changes were made in the curricula and new ways of teaching were used in many courses. The details are given in Table - II below.

**TABLE - II**  
**INNOVATION IN CURRICULLUM DESIGN AND TRANSACTIONS**  
**DURING 2007-08**

Sr. No.	ITEM	REGULAR COURSES	SELF-FINANCED
1	No. of papers revised	67	10
2	No. of papers deleted	8	
3	No. of new topics introduced	115	19
4	LCD used (No of Depts.)	19	2
5	Internet Used (No of Depts.)	27	2
6	Edunet Used (No of Depts.)	13	2
7	Role Play (No of Depts.)	6	1
8	Presentation (No of Depts.)	26	2
9	Debate (No of Depts.)	16	2
10	Assignment (No of Depts.)	28	2
11	Group Discussion (No of Depts.)	24	2
12	Industrial Visit (No of Depts.)	14	3
13	Field Work (No of Depts.)	20	3

Sr. No.	ITEM	REGULAR COURSES	SELF-FINANCED
14	On Job Training (No of Depts.)	6	1
15	Any other (specify) (No of Depts.) Education Tour	2	1
	Book Review	2	
	Project	1	
	Lab. Supervision, Inter Active	1	1
	Class Rooms		
	Laptop	1	
	Class Seminar	1	
Workshop	1		

#### **4. INTER-DISCIPLINARY PROGRAMMES STARTED**

The University introduced five new courses during the year. Out of these two were of inter-disciplinary nature. The details of these programmes are given in Table-1, serial no four and five.

#### **5. EXAMINATION REFORMS IMPLEMENTED :**

The University has more than 3,50,000 students covering nine different faculties in 380 colleges spread over an area of more than 1000 Sq.Kms. Examinations are therefore a mammoth task. Examinations go on throughout the year and require complex planning. During the last few years the University has perfected the examination system through computerization to such an extent that even for the largest number of students appearing in an examination (for example First Year B.A. or B.Com.), the results are declared within three months. In the current year some more reforms were

implemented with the twin objectives of increasing the efficiency of the system and providing better facilities to the students. The major activities undertaken during the year with regard to the examination reforms are given below.

**a. CHANGES IN EXAMINATION FORMS**

ICR based form were introduced in the Final Year of B.A., B.Com., B.Sc., B.B.A. and B.C.A. and Master Degree Exams.

**b. CHANGES IN ALLOCATION OF CENTERS**

For the first time PG exam centers for M.A. and M.Com. were allotted in 6 different centers outside Ahmedabad. The students therefore had to travel a shorter distance for writing the exams.

**c. CHANGES IN DISTRIBUTION OF HALL TICKETS**

Computerized Hall ticket was also given in M.A. Examination and Bar Code System was also introduced in M.A. Examination

**d. CHANGES IN PREPARATION AND PUBLICATION OF RESULT**

This time instead of total marks the entire mark sheet was uploaded on the internet.

## 6. DETAILS OF STUDENTS CLEARING PUBLIC EXAM

It is quite difficult to obtain the exact number of students who appear and clear the various public examinations. This is due to the fact that the students often sit for these exams after they clear the university examination and many of them do not keep in touch with the University in spite of persistent efforts by the faculty and alumni associations. As per the information available, the details of the students who appeared for the public exams are given in Table – III below:

**TABLE - III**  
**DETAILS OF STUDENTS CLEARING PUBLIC EXAMINATIONS**

Sr.No.	Name of Examination	No. of Students
1	IAS and other allied services	18
2	GPSC and other allied state services	42
3	CAT	1
4	NET/GSLET	35
5	TOEFL/IELTS	32
6	Others	6
	Total.....	134

## 7. INITIATIVE TOWARDS FACULTY DEVELOPMENT PROGRAMMES

Faculty development consists of the following:

- a. Increasing academic qualification by way of Advanced and additional degrees such as Ph.D., D.Lit. etc.
- b. Participation in orientation and refresher courses conducted by Academic Staff Colleges.



c. Participation in academic and research events such as workshops, conferences, seminars and symposia.

Most of the faculty members of the University actively participate in the above mentioned faculty development programmes. The details are given in Table-IV, Table-V, Table-VI, Table-VII, Table-VIII and Table-IX below.

**TABLE - IV**

**DETAILS OF WORKSHOPS PARTICIPATION. DURING 2006-07**

Sr. No.	Name of faculty	Department/School	Dates	Programme institutions
1	Dr. Kamyani Mathur	Uni. School of Psychology	22-23 July 2006	MICA

**TABLE - V**

**DETAILS OF CONFERENCE PARTICIPATION DURING 2006-07**

Sr. No.	Name of faculty	Department/School	Dates	Programme institutions	Name of Seminar	Level (International/National/State)
1	Dr. Prateek Kanchan	B.K.School of Business Management	18-20 May 2006	Strategic Management Forum - IIM, Kozhikode	Strategic Mgmt. Current Efforts and Future Challenges	International

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
2	Dr. S. M. Vyas	Physics Department	20-25 August 2006	Indian Institute of Science, Bangalore	Quantum Size Effect of B190SB10 Thin Films	International
3	Dr. V. A. Rana	Physics Department	6-8 October 2006	Dept.of Physics, University of Rajasthan, Jaipur & MNIT-Jaipur, LNMIIT-Jaipur, ACEIT-Jaipur, S.S. Jain Subodh PG College-Jaipur	Microwawe-2006	National
4.	Dr. R. J. Verma	Zoology Dept.	9-11 October 2006	Society of Toxicology( STOX) India	Toxicology, Toxicogenomics and Occupational Health(IC TTOH)	International
5	Dr. Hitesh D. Patel	Dept.of Chemistry	16-19 December 2006	University of Rajasthan-Jaipur	Heterocyclic Chemistry	International

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
6	Dr. R. D. Patel	Statistics Dept.	18-21 December 2006	Indian Society of Theoretical and Applied Mechanics, IIT, Kharagpur		
7	Dr. Prateek Kanchan	B.K.School of Business Management	28-31 December 2006	AIMS	Managing Global Organizations: Challenges, Opportunities and Strategies	International
8	Shri Vilas Kulkarni	B.K.School of Business Management	28-31 December 2006	AIMS	Managing Global Organizations: Challenges, Opportunities and Strategies	International
9	Dr. Narayan Baser	B.K.School of Business Management	28-31 December 2006	AIMS	Managing Global Organizations: Challenges, Opportunities and Strategies	International

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
10	Dr. M. N. Patel	Statistics Dept.	29-31 December 2006	Dept.of Statistics , Uni. of Calcutta and Calcutta Statistical Association	Probability and Statistics	International
11	Dr.Neelima Ruparel	B.K.School of Business Management	5-7 January 2007	Nirma University, Ahmedabad	Nirma on Management(NICOM-2007)	International
12	Dr. Kamleshkumar Choksi	School of Languages	9-11 February 2007	Gurukul Kangdi University	Vishva Ved Sammelan	International
13	Dr. V. Chari	S.D.School of Commerce	27-30 June 2006	International Institute for Asian Studies, Leiden University,- <u>Leiden The Netherlands</u>	19 <sup>th</sup> European Conference on Modern South Asian Studies	International
14	Dr.(Mrs.)Meenu Saraf	Dept.of Microbiology	11-14 July 2006	Biotechnology Industry Organization	The World Congress on Industrial Biotechnology and Bio Processing, <u>Toronto, Canada</u>	International

**TABLE - VI**  
**DETAILS OF WORKSHOPS PARTICIPATION. DURING 2007-08**

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions
1	Dr. H. A. Solanki	Botany Dept.	27-29 January 2008	SPIPA-Ahmedabad Training Prog.
2	Dr.Sarla Achuthan (participated as a resource person)	B.K.School of Business Management	Decem- ber 22- 27, 2007	Ganpat University, Kherva
3	Dr.Sarla Achuthan (participated as a resource person)	B.K.School of Business Management	Decem- ber 2007	CEPT University

**TABLE - VII**  
**DETAILS OF SEMINAR PARTICIPATION. DURING 2007-08**

Sr. No.	Name of faculty	Department / School	Dates	Program- me institutions	Name of Seminar	Level (Internati onal/ National/ State)
1	Prof. K. M. Kulkarni	Dept. of Geography	1-2 Octo- ber 2007		Globalis ation	Internati onal

**TABLE - VIII****DETAILS OF CONFERENCE PARTICIPATION. DURING 2007-08**

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
1	Dr.(Mrs.)Kamyani Mathur	Dept. of Psychology	26-28 July 2007	NIMHANS, Banglore		International
2	Dr. R. J. Verma	Dept.of Zoology	6-7 October 2007	Society of Toxicology, India	XXVII Annual Conference	International
3	Shri N. K. Pathak	School of Law	19-20 October 2007	IFCAI	Critical Issue in International Commercial Arbitration	International
4	Dr. Y. S. Shastri	Philosophy Dept.	26-29 October 2007	Shri Venkateswara Uni.- Tirupati	82 <sup>nd</sup> Session of Indian Philosophical Congress	
5	Dr. Sunanda Y. Shastri	School of Languages	26-29 October 2007	Shri Venkateswara Uni.- Tirupati	82 <sup>nd</sup> Session of Indian Philosophical Congress	

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
6	Dr. Chandrika Raval	School of Social Sci.	22-24 November 2007	International Sociological Association	Asian Youth and Childhoods 2007	International
7	Dr. J. C. Patel	School of Social Sci.	29 Nov. to 1 Dec. 2007	Gandhigram Rural University	XXXIII All India Sociological Conference	
8	Dr. M. H. Makwana	School of Social Sci.	29 Nov. to 1 <sup>st</sup> Dec. 2007	Gandhigram Rural University	XXXIII All India Sociological Conference	
9	Prof. Margi Parikh	B.K. School of Business Management	9-12 December 2007	Management Development Institute	12 <sup>th</sup> International Colloquium Asia-Pacific Researchers in Organization Studies	
10	Dr. V. A. Rana	Physics Dept.	17-20 December 2007	Dept. of Comp.Sci. & IT and Dept.of Physics	Microwaves and Optoelectronics ICMO 2007	International

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
11	Dr. Dinanath Sharma	School of Languages	19-24 December 2007	Philosophy Dept.M.G.Kashi Vidhya Peth-Varanasi	All India Philosophy Association	
12	Dr. Dilip Charan	Dept.of Philosophy	21-23 December 2007	Philosophy Dept.M.G.Kashi Vidhya Peth-Varanasi	All India Philosophy Association	
13	Dr. L. G. Malav	Education Dept.	27-31 December 2007	Indian Academy of Social Sciences		National



Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
14	Dr. (Mrs.)Kamyani Mathur	Dept. of Psychology	7-9 January 2008	Indian Association of the Clinical Psychologists		National
15	Dr. R. D. Patel	Dept. Statistics	10-12 January 2008	ISPS	International Conference on Statistics & Applications in Or Management/Life Sciences	International
16	Dr. M. N. Patel	Dept. Statistics	21-26 January 2008	Indian Statistical Institute	Present, Practices and Future Trends in Quality and Reliability(ICONQR08)	International
17	Dr. H. S. Oza	School of Commerce	23-25 January 2008	Pondichary University, Dept. of Comm.	Micro Finance- A Tool to Eradicate Poverty	International

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
18	Dr. K. C. Raval	School of Law	25-26 January 2008	AMA	Intellectual Property Summit-2008	
19	Dr. S. P. Rathor	School of Law	25-26 January 2008	AMA	Intellectual Property Summit-2008	
20	Dr. Harish M. Desai	D.P.E.	12-15 January 2008	LNIPG-Gwalior	III International Congress	International
21	Dr. P. D. Lele	Physics Dept.	25-29 February 2008	URSI	Radio Science	International
22	Shri Ramanbhai Patel	Uni.Library	3-9 February 2008	Association of Indian University	World Book Fair	
23	Dr. Archana Mankad	Botany Dept.	4-6 March 2008	ISOH	Recent Advances in Floriculture	National
24	Dr. H. A. Pandya	Botany Dept.	4-6 March 2008	ISOH	Recent Advances in Floriculture	National
25	Dr. M. V. Rao	Dept.of Zoology	11-13 February 2008	Andhra University	XXXIII ISHG Annual Conference	International

Sr. No.	Name of faculty	Department/ School	Dates	Programme institutions	Name of Seminar	Level(International/ National/ State)
26	Dr. Divya Chandel	Dept.of Zoology	11-13 February 2008	Andhra University	XXXIII ISHG Annual Conference	International
27	Shree P. N. Gajjar	Dept. of Physics	9-13 June 2007	Warsaw School of Statistical Physics-Poland	Plank Scale to the Electroweak Scale	International
28	Dr.(Mrs.) R. B. Jotania	Dept. of Physics	1-6 July 2007	ICMAT 2007, Singapore	Materials for Advance Technologies	International
29	Dr. Utpal S. Joshi	Dept. of Physics	3-5 Sept. 2007	Beijing, China	Materials Today Asia	International
30	Dr. V. K. Jain	Dept. of Chemistry	1-7 Mar 2008		PITTCO N-2008, USA	International
31	Dr. Sarla Achuthan and Prof. V.K. Kulkarni	B.K. School of Business Management	February 7, 2008	ONGC Office, Vadodara – Industry and academic meet	National Institute of Personnel Management at its National Annual Convention	National

**TABLE – IX**

**DETAILS OF PARTICIPATION OF FACULTY IN REFRESHER  
AND ORIENTATION COURSES DURING 2007-08**

Department	Refresher	Orientation
Gujarati	1	0
Hindi	1	0
Maths	1	1
Physics	0	1
Zoology	0	1
Political Science	3	1
B.K.School of Management	0	1
Total.....	6	5

**8. SEMINARS AND GUEST LECTURES**

Gujarat University has the belief that mere teaching is not enough to bring about quality enhancement in higher education. In fact research is an integral part of this endeavor. Therefore, the university has encouraged research by not only its faculty but also by the students at post graduate level. Further research activities are also encouraged by organizing seminars, workshops, conferences etc.

A brief description of these activities undertaken during the year are given below:

- a. One day seminar on “Simulation in Teaching Methods” organized by Department of Education on June 30, 2007.
- b. Seminar on “Role of Statistics in Socio-Economic Planning” organized by Statistics Department on June 29, 2007. Seminar organized in memory of Late Prof.P.C.Mahalanobis in collaboration with Directorate of Economics and Statistics, Gandhinagar.
- c. One day international seminar on “Innovative approaches to World Peace in Changing Global Environment” by Department of Philosophy on Sept. 1, 2007
- d. Seminar on “Creativity, Confidence and Character – Pillars of Success” by B.K. School of Management on August 25, 2007
- e. Three day state level seminar on “Research Methodology in Commerce and Management” organized by School of Commerce on Sept. 30,2007 - Oct 2, 2007
- f. Seminar on “Madhyakaleen GujaratmaItihasna Sanshodhan /samasyao ane Farsi Arabi Sandarbh Grantho” by Farsi Urdu Department, on March 8, 2008.
- g. Workshop on “Commodity Exchanges and Commodity Trading In India” organized by School of Commerce in collaboration with Forward Markets Commission, Government of India, UGC and Ahmedabad Commodity Exchange on March 16, 2008.
- h. National seminar on “Bhashabhigamo Ane Sahitya” organized by Department of Gujarati on March 25, 2008
- i. Visit of students of Geography department to the Stables of Amhedabad Municipal Corporation at Shilaj.
- j. Environmental Statistical camp organized by Geography department with Gujarat Geographical Society.

- k. UGC sponsored two day workshop on SPSS and Data Mining on March 17 & 18, 2008 by B.K.School of Management
- l. One day seminar on Management Research and Education in honor of Prof. A.C.Brahmbhatt, who retired, on March 29, 2008

#### **9. GUEST LECTURE SERIES**

1. Four lectures by Economics Department – Oct 8-10,2007
2. Four lectures by Political Science Department Oct 15-16,2007
3. Lecture in honor of Pujya Sachchidanandji Maharaj organized by Education Department on Dec 1, 2007
4. Four guest lecturer by Gujarati Department, December 13-19, 2007

#### **10. RESEARCH PROJECTS**

Several University departments have research projects. All attempts are made to obtain funding for these research projects from many funding agencies. The details about the research projects are given in Table- X and Table-XI below.

**TABLE - X**  
**RESEARCH PROJECTS STARTED DURING THE YEAR 2007-08**

No	Name	Deptt.	Name of the Project	Name of Funding Agency	Amount	Tenure	Details
1	Dr. Y.T. Jasrai	Botany	Fist Program	DST New Delhi	2300000	5 years major project	2007-08 to 2011-12
2	Dr. U C Pandey	Chemistry	Fist Program	DST New Delhi	8000000	5 years major project	2007-08 to 2011-12
3	Dr. U M Raval	Physics	Fist Program	DST New Delhi	9100000	5 years major project	2007-08 to 2011-2012
4	Dr.R B Jotania	Physics	Effect of swift heavy ion irradiation on structural and Magnetic Properties of barium hex ferrite compounds	IUAC New Delhi	45000+ JRF	Three years Minor Project	2007-08 2008-09 2009-10
5	Neelima Ruparel	B K School	An Exploratory study on organized Retailing in India with a specific focus on emerging	UGC New Delhi	320000	Major Project	2007-08 2008-09 2009-10
6	Dr.Hitesh Patel	Chemistry	Chiral----- Activities	UGC New Delhi	100000	Minor Res. Project	2007-08 2008-09

No	Name	Deptt.	Name of the Project	Name of Funding Agency	Amount	Tenure	Details
7	Dr.U M Raval	Zoology	Study on Antioxidative property of kalmegh androgrphis pamiculata on experimental Cataract	ICMR New Delhi	279233	Minor Res.Proj ect	2007-08 2008-09
8	Dr.S R Dave	Microbiology	Microbial leaching Ferrooxidans	GMDC	1960000	Project	2007-08 2008-09
9	UGC special Assistance programme-II	Chemistry		UGC	5000000	SAP Programme	2007-08 to 2011-12
10	Dr.Sarla Achuthan	B K School	MODROB Scheme	AICTE New Delhi	8,00,000		2007-08 2008-09



**TABLE - XI**  
**ONGOING RESEARCH PROJECTS**

No	Name	Deptt.	Name of the Project	Name of Funding Agency	Amount	Tenure	Details
1	Dr. Y K Agrawal	Chemistry Deptt.	Special Assistance Program First Year (2002-03)	UGC New Delhi	43,00,000	Five years Major Project	2006-07 2007-08 Up to Sep.09
2	Dr.M.V.Rao	Zoology Deptt.	“Role of some herbal products on heavy metal induced genotoxic effects in human blood cultures”	UGC New Delhi	4,51,500	Three years Major Project	2006-07
3	Dr.R.J.Verma	Zoology Deptt.	“Evaluation of eco-friendly antioxidants in amelioration of aflatoxicity”	UGC New Delhi	5,61,060	Three years Major Project	2006-07
4	Dr.M.V.Rao	Zoology Deptt.	“Role of some Herbal products on mercury induced genotoxicity in Human blood cultures”	Guj.cost Gandhinagar	3,54,600	Three years Major Project	2006-07 2007-08

No	Name	Deptt.	Name of the Project	Name of Funding Agency	Amount	Tenure	Details
5	Dr. U.C. Pande Dr. S.K. Menon Dr. V.K. Jain	Chemistry Deptt.	Centre of Excellence in Supermolecules : Fullence Namotubes Rotaxanes calixarenes and their Applicability in Environmental and material Sciences.”	Gujarat State Govt.	Ist year 22,50,000 IInd year 18,50,000	Five years Major Project	2006-07
6	Dr. S R Dave	Micro. Deptt.	Studies of Biotechnology of Heavy metals.	GSBTM	24,00,000	Three years Major Project	2006-07 2007-08
7	Dr. S.K. Menon	Chemistry Deptt.	“Design, Synthesis and structural studies of ...metal complexes”	DST New Delhi Cent. Govt	15,34,176	Three years Major Project	2006-07
8	Dr.S.R. Dave	Micro. Deptt.	“Biotransformation of arsenic and arsenopyrite and its applications”	DBT New Delhi Cent. Govt.	19,25,000	Three years Major Project	2006-07 2007-08
9	Dr. S.R. Dave	Micro. Deptt.	Microbiology of lignite mines for environment & commercial application ‘Narmada window’	DST New Delhi	18,87,442	Three Year Starting from Dec.2005. Major Project	2006-07 2007-08 2007-09

No	Name	Deptt.	Name of the Project	Name of Funding Agency	Amount	Tenure	Details
10	Dr. V.K. Jain	Chem. Deptt.	Calix(4) Resorcinasene & its Derivatives an Emerging class of Receptors for Ions/organic analytes in Supramolecular chemistry.	CSIR New Delhi	11,46,000	Three Year Starting from April-2006. Major Project	2006-07 2007-08 2008-09
11	Dr. Sarla Achuthan	B.K. School	Project Grant for Industry Institute Partnership cell	AICTE New Delhi	6,35,000	Three Year Major Project	2006-07 2007-08 2008-09
12	Dr. Utpal Joshi	Physics Deptt.	To Investigate Electric pulse Induced resistive switching behavior in the mixes oxides films for Non-volatile Memory	Board of Research in Nuclear science, Mumbai	10,00,000	Three Year Major Project	2006-07 2007-08 2008-09
13	Dr. Meenu Saraf	Micro Deptt.	Management _____ rhizobacteria. (1-5-2006 to 30-04-2009)	UGC New Delhi	3,56,200	Three Year Major Project	2006-07 2007-08 2008-09

No	Name	Deptt.	Name of the Project	Name of Funding Agency	Amount	Tenure	Details
14	Dr. R. B. Jotania	Physics Deptt.	“Low temperature magnetic materials” ( 1-5-2006 to 30-4-2008)	UGC New Delhi	60,000	Two Year Minor Project	2006-07 2007-08
15	Dr. Savita Gandhi	Computer Science	Modrobs Scheme on line teaching class room	AICTE	500000	3 years major project	2006-07 2007-08 2008-09
16	Dr. Utpalbhai Joshi	Physics	Effect of heavy ion irradiation on EPIR	IUAC New Delhi	45000+ JRF	Minor Project	2006-07 2007-08 2008-09
17	Dr.Sarla Achuthan	B K School	Competition and in Management	AICTE New Delhi	4,00,000	R & D Project	2006-07 2007-08 2008-09
18	Dr.Sarla Achuthan	B K School	Modernization of Computer Lab	AICTE New Delhi	5,00,000		2006-07 2007-08

## 11. NEW COLLABORATIVE RESEARCH PROGRAMMES.

During the year nine new collaborative research programmes were started.

Their details are given below.

### A. Department of Microbiology – Dr. S. R. Dave

**Research Project :** Microbial leaching of base metals

**Funded :** GMDC

**Funding Amount :** Rs.20 Lakhs only

**Project started from :** 18<sup>th</sup> June 2007

## **MAJOR OBJECTIVE OF THE RESEARCH PROJECTS ARE :**

- Screening of iron and sulphur oxidizing bacterial cultures from our laboratory for indirect process as well as isolation of new organism from selective mines.
  - Development of biofilm process.
  - Optimization of metal extraction by biologically produced ferrous at second stage.
  - Regeneration of ferric from leachate under prevailing adverse conditions by developing desired inocula.
  - Scale-up.
- Project was started with appointment of two research fellows. And as per the objective mine water samples from Amba Multi metal mine were analysed for their physio chemical parameters and it was found that acidic mine drainage was generated due to activity of iron and sulphur oxidizers. Mine drainage water.
  - Showed pH as low as below 3.0 and presence of copper and zinc. Iron and sulphur oxidizing bacteria were isolated from the mine water. Iron, sulphur and thiosulphate oxidizing study is under progress for the isolates.
  - Bioleaching amenability study of low-grade polymetallic ore as well as waste products generated after the generation of metal extraction process.
  - Cultures are developed for higher iron oxidation rate in the presence of increasing concentration of ferrous and other toxic metals in the system. Organisms were selected looking to their IOR and metal resistance ability. Iron oxidation studies are under progress.

- In direct metal extraction from poly metallic concentration was investigated and their optimization studies are under progress.
- Ferric bio regeneration from the metal gradient fragrant solutions is under progress.

## **B. DEPARTMENT OF CHEMISTRY-DR. (MRS.) S.K. MENON**

**Research Project:** SAP

**Funded:** UGC

**Funding Amount :** Rs.1.13 crore.

**Project started from :** 2002-2007 and 2007-2012

University Grants Commission had selected Department of Chemistry, Gujarat University at the level of DRS for 5 years under the Special Assistance Program (SAP) Phase-I in 2002. The financial assistance approved for the 1<sup>st</sup> phase was **Rs.43.00** lakh (Rs.29.00 lakh Non Recurring and Rs.14.00 lacks Recurring). The major equipments purchased were GC-MS (Rs.23.00 lacks) and UV-VIS (Rs.6.00 lakh) The recurring grant was utilized for the purchases of Books & Journals, Chemicals, Glassware and also for Travel and Advisory Committee meeting. The tenure was over in 2007.

The department has seen upgraded to DRS II for another 5 years from 2007 to 2012. The grant received for this phase in **Rs.50.00** lakh. The Non Recurring grant of Rs.36.00 lacks have been utilized for the purchase of

- Dynamic Light Scattering
- Photolumini scene with D-2 bulb
- Furnace
- Generator for XRD

The Recurring grant of Rs.14.00 lakh is for the purchase of Books and Journals, Chemical, Glassware, Consumables and also Travel, Adviser committee meeting and for seminar.

The department also received **Rs.20.00** lakh from UGC, New Delhi for strengthening the infrastructure.

## **12. RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES.**

An amount of Rs. 2,44, 94,840.00 was received as Research Grant from the funding agencies. Out of this, the project-wise details of the Grants received for specific projects are given in Table – XII below.

**TABLE - XII**  
**RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES**  
**DURING THE YEAR 2007-08**

Sr.No.	Name of Project	Name of Investigator/Department	Funding Agency	Amount Received
1	SAP Programme	Chemistry Department	UGC	2084864.00
2	Major Research Project	Dr. Neelima Ruparel – B.K.School of Management	UGC	215000.00
3	Minor Research Project	Dr. H. D. Patel- Chemistry Department	UGC	50000.00
4	SAP Programme-II	Chemistry Department	UGC	3880000.00
5	Gujcost Project	Dr. M. V. Rao-Zoology Department	State Govt.	117600.00
6	IUAC Project	Dr. Utpal Joshi-Physics Department		72000.00
7	ICPR-JRF	Bhalsod Urmila		42000.00

Sr.No.	Name of Project	Name of Investigator/Department	Funding Agency	Amount Received
8	Centre of Excellence in Gujarat University-GUJCOST	Chemistry Department	State Govt.	50000.00
9	GSBTM Project	Dr. S.R.Dave-Microbiology Department	State Govt.	300000.00
10	GMDC Project	Dr. S.R.Dave-Microbiology Department	State Govt.	1320000.00
11	Forensic Science Course	Dr. S. K. Menon-Chemistry Department	State Govt.	500000.000
12	DBT Project	Dr. S.R.Dave-Microbiology Department	Central Govt.	470000.00
13	DST Fist Programme	Physics Department	Central Govt.	6600000.00
14	DST Fist Programme	Chemistry Department	Central Govt.	5000000.00
15	Modernization of Lab-Computing		AICTE-New Delhi	300000.00
16	DST-Fist Programme	Botany Department	Central Govt.	2100000.00
17	Financial Assistance-DST	Dr. Utpal Joshi-Physics Department	Central Govt.	19303.00
18	CSIR Res.Project	Dr. V.K.Jain-Chemistry Department		285032.00
19	DAE-BRNS-Project	Dr. Utpal Joshi-Physics Department		210680.00
				23616479



### 13. DETAILS OF RESEARCH SCHOLARS AND RESEARCH GUIDES

The University has been actively encouraging research in all fields. During 2006-07 and 2007-08 many new faculty members were given recognition as Ph.D. Guides. Their details are given in Table- XIII below.

**TABLE - XIII**

**Ph.D. GUIDES SANCTIONED BETWEEN 2006-08**

Sr.No.	Name of the Guide	Department/Institution	Subject
1	Dr.N.B. Patel	Arts & Commerce College-Ode	Economics
2	Dr. M. B. Potdar	Space Application Centre-ISRO	Physics
3	Dr.(Mrs.) P. J. Joshi	Maharshi Ved Vigyan Academy	Sanskrit
4	Dr. (Mrs.) P. A. Bhatt	L. M. College of Pharmacy	Pharmacology
5	Dr.(Mrs.)H. H. Vora	The Gujarat Cancer & Research Institute	Life Science
6	Dr.(Mrs.)Darshna M. Trivedi	School of Languages	English
7	Dr.(Mrs.)S.Y. Shashtri	School of Languages	Sanskrit
8	Dr. Ashokkumar Singhvi	PRL	Physics
9	Dr. M. T. Mistry	School of Psy.Philo. & Edu.	Education
10	Dr. K. H. Chikhaliya	School of Sciences	Chemistry
11	Dr. P. K. Shah	L. D. College of Engg.	Mechanical Eng.
12	Dr. George Lingboy	School of Sciences	Zoology
13	Dr. G. H. Patel	The Gujarat Cancer & Research Institute	Life Sciences

Sr.No.	Name of the Guide	Department/Institution	Subject
14	Dr. N. K. Jain	School of Sciences	Life Sciences
15	Dr.(Mrs.) R. J. Kothari	St.Xavier's College	English
16	Dr. H. C. Sardar	School of Commerce	Accountancy
17	Dr. P. J. Gundaliya	L. D. College of Engg.	Civil Eng.
18	Dr. Rajmal Jain	PRL	Physics
19	Dr. A. T. Vaghela	School of Social Sciences	History
20	Dr. Neerja Arun	Bhavan's R. A. College of Arts & Commerce	English
21	Dr.(Mrs.)Suhasben Zala	Sadguna C.U.Arts College for Girls	Sanskrit

As of date the Ph.D. guide strength in the University are given in Table-XIV below.

**TABLE - XIV**  
**TOTAL Ph.D. GUIDES IN THE UNIVERSITY**

Sr.No.	Faculty	No. of Ph.D. Guides
1	Arts	56
2	Commerce	5
3	Science	79
4	Education	6
5	Law	2
6	Engineering	5
7	Medical	30
8	Dental	1
9	Pharmacy	12

During the year a total of 119 new Ph.D. scholars were registered. The faculty wise details of the registrations are given in Table-XV below.

**TABLE - XV**

**FACULTY WISE DETAILS OF NEW Ph.D. REGISTRATIONS**

Sr.No.	Faculty	Subject	No. of Ph.D. Scholars
1	Arts	History	6
2	Arts	Sanskrit	10
3	Arts	Journalism	1
4	Arts	Sociology	3
5	Arts	Psychology	2
6	Arts	Gujarati	8
7	Arts	Economics	4
8	Arts	Indian Culture	2
9	Arts	English	8
10	Arts	Hindi	3
11	Arts	Prakrit	3
12	Arts	Philosophy	1
13	Arts	Physical Education	3
14	Arts	Linguistics	3
15	Commerce	Management	3
16	Commerce	Accountancy	2
17	Commerce	Economics	1
18	Education	Education	3
19	Medicine	General Surgery	2
20	Medicine	Physiology	1
21	Medicine	Physiotherapy	2
22	Pharmacy	Pharmacy	6
23	Pharmacy	Pharmaceutics	3
24	Science	Biochemistry	2
25	Science	Life sciences	7
26	Science	Chemistry	7
27	Science	Microbiology	5
28	Science	Physics	11
29	Science	Maths	1
30	Science	Zoology	6
			119

During the year there were **268** Ph.D. Scholars registered in the teaching departments. Out of which **56** were new registrations during 2007-08. There were **12** Scholars with fellowship. Full details are provided in Table - XVI below.

**TABLE - XVI**  
**DETAILS OF DEPARTMENTAL Ph.D. SCHOLARS**

Sr. No.	Centre	Registered Scholars		Registered scholars with scholarship & fellowship	No. of research scholars submitted thesis during the year	No. of research scholars awarded degree during the year	Employment status of Research scholar
		In the current year	Prior to Current year				
1	School of Commerce	4	10	0	2	2	In Service Teachers
2	English Dept.	5	5	0	2	2	In Service Teachers
3	Gujarati	3	2	1	2	2	One Teacher
4	Hindi	2	10	0	0	0	In Service Teachers
5	Linguistics	3	0	0	0	0	Un Employed
6	Persian	0	1	0	0	0	Un Employed
7	Prakrit, Pali	3	3	1	1	0	Unemployed
8	Sanskrit	4	12	0	0	0	Unemployed
9	Law	0	0	0	0	0	
10	Education	2	0	0	0	0	Unemployed

Sr. No.	Centre	Registered Scholars		Registered scholars with scholarship & fellowship	No. of research scholars submitted thesis during the year	No. of research scholars awarded degree during the year	Employment status of Research scholar
		In the current year	Prior to Current year				
11	Philosophy	1	7	0	3	0	Unemployed
12	Psychology	2	14	0	0	1	Unemployed
13	Botany	2	2	0	2	2	Employed
14	Chemistry	7	20	0	3	3	Unemployed
15	Life Science	3	3	0	0	0	Unemployed
16	Mathematics	1	1	1	0	1	In Service Teachers
17	Microbiology	5	3	3	1	1	One R.A.
18	Physics	0	5	4	4	4	In Service Teachers
19	History	3	5	2	1	1	In Service Teachers
20	Labour Welfare	0	2	0	0	0	Employed
21	Sociology	3	7	0	2	2	In Service Teachers
22	B.K.School	3	0	0	0	0	Employed
		56	112	12	23	21	

#### **14 CITATION INDEX AND IMPACT FACTOR.**

The details of the citation index and impact factors of the publications of the faculty members are given in Table-XVII

**TABLE - XVII**  
**IMPACT FACTOR**

Sr. No.	Department	Name of Faculty	Citation Index	Impact factor
1	Life Sci. Dept.	Dr. N. K. Jain	9( Photochem. Photobiol)	2.47
2	Zoology Department	Dr. M. V. Rao		1.288
3	Zoology Department	Dr. R. J. Verma		0.326
4	Zoology Department	Dr. D. D. Jhala		2.070

#### **15. HONORS AND AWARDS TO THE FACULTY.**

During the year nine faculty members were awarded different prizes for their academic work. The details are given in Table-XVIII

**TABLE - XVIII**  
**HONOURS AND AWARDS TO FACULTY**

Sr. No.	Name of the Faculty	Name of the Department	Name of Event	Name of Paper	Organizers of Event	Details of Awards
1	Dr.Kamyani Mathur	Psychology Department	XXXIVth National Annual Conference of Indian Association of Clinical Psychology	Analysis of Personality Profile and Health status of Type A & B Cardiac Males	Gujarat University	Best Paper Presentation
2	Dr. S. R. Dave	Dept.of Bio-Technology,	Science Excellence	Oral Paper-1 Poster Papers-3		2 <sup>nd</sup> Prize
3	Dr. D. R. Tipre	Dept.of Bio-Technology,	Science Excellence	Oral Paper-1 Poster Papers-2		2 <sup>nd</sup> Prize
4	Dr. N. K. Jain	Life Science Dept.	Science Excellence	Presentation -3	GUJCOST UGC	2 Prize

Sr. No.	Name of the Faculty	Name of the Department	Name of Event	Name of Paper	Organizers of Event	Details of Awards
5	Dr. H. A. Modi	Life Science Dept.	Science Excellence	Presentation -7	Govt. of Gujarat	1 Paper-1 <sup>st</sup> Prize in Life Science, 1 Paper-2 <sup>nd</sup> Prize in Envi.Sci., 1 Paper- 2 <sup>nd</sup> Prize in Biochemistry
6	Dr. S. R. Dave	Dept. of Micro Biology	New Horizons in Bio. Sci.	Poster Presentation -5		2 <sup>nd</sup> Prize
7	Dr. S. R. Dave	Dept. of Micro Biology	Science Excellence	Oral Papers -3		1 <sup>st</sup> and 2 <sup>nd</sup> Prize
8	Dr. S. R. Dave	Dept. of Micro Biology	Science Excellence	Poster Paper-1		1 <sup>st</sup> Prize
9	Dr. D. R. Tipre	Dept. of Micro Biology	Science Excellence	Oral Paper-1		2 <sup>nd</sup> Prize

## 16. INTERNAL RESOURCES GENERATED

The University has been able to generate a total of Rs.2,44,94,840. This excludes the fee collection from the students. These have been raised from activities such as transfer of fees from self-financed courses, rent of premises to various organizations, donations, affiliation fee from colleges etc.



## **17. DETAILS OF DEPARTMENTS GETTING SAP/DST.FIST ETC.**

Departments of Botany, Chemistry, Physics, Microbiology and Zoology were getting support under programmes such as SAP/DST FIST etc. The details are given in Table Nos. IV, V and VI above.

## **18. COMMUNITY SERVICES**

The Jan Shikshan Sansthan based in the University conducts many short term programs which are available for persons who dropped out of the formal education system at an early stage and now are seeking skill development and skill up gradation for increasing employability and earning capacity.

## **19. TEACHERS AND OFFICERS NEWLY RECRUITED**

The vacant posts were identified and the process of recruitment on these posts is under process.

## **20. TEACHING-NON TEACHING STAFF RATIO**

There are 131 Teaching staff and the strength of the non-teaching staff is 484. Therefore the ratio of the teaching staff to non-teaching staff works out to be 0.31:1.

## **21. IMPROVEMENT IN THE LIBRARY SERVICES**

The work of the automation of the library is going on and is expected to be completed in another year. The V Sat connection has been established in the library premises so that e resources can be utilized in the library premises. Further work is going on for the purchase of more e resources.

## 22. NEW BOOKS AND JOURNALS SUBSCRIBED AND THEIR VALUE.

The details of the new additions to the library are given IN Table-XIX below.

**TABLE - XIX**  
**DETAILS OF LIBRARY PURCHASE DURING 2007-08**

Sr.No.	Items	No.	Total Expenditure in Rs.	Remarks
1	Books	2582	1053028.00	1. Rs.933883-00 UGC Budget 2. Rs. 87720-00 NBHM Sp.Grant 3. Rs.31425-00 DRS Sp. Grant
2	Journals	220	144630.00	1. Rs.136172.00 subscription paid 2. Rs.8458.00 DRS Special Grant
3	Periodical Binding		30961.00	
4	Total....		1228619.00	

## 23. ASSESSMENT OF TEACHERS BY STUDENTS

The planning for assessment of teachers by the students in various courses in a formal manner is going and is expected to be introduced from the next year.

## **24. UNIT COST OF EDUCATION**

The unit cost of education is Rs 44051.57 including the salary component and Rs 26,952.37 excluding it.

## **25. COMPUTERIZATION OF ADMINISTRATION AND THE PROCESS OF ADMISSIONS AND EXAMINATION RESULTS, ISSUE OF CERTIFICATES.**

The computerization of examination, results and certificates was done years ago. However, several measures have been taken to improve the system further. These have been described in detail in point 5 above.

## **26. INCREASE IN THE INFRASTRUCTURAL FACILITIES.**

The developments related to infrastructure have been divided into three categories viz. the facilities added during the year, major repairs undertaken during the year and new projects started. The details of all these are given below.

### **a) INFRASTRUCTURE FACILITIES ADDED DURING THE YEAR:**

- i) Seminar rooms at School of Commerce and CDC building
- ii) Library at B.K.School of Business Management
- iii) Ladies Hostel Block – BB
- iv) Biotech department building
- v) Home Science Building
- vi) Defence Studies Building
- vii) Micro-Biotech Building
- viii) Students' Information Center.

### **b) REPAIRS DONE DURING THE YEAR 2007-08**

- i) Repair of EMRC Building
- ii) Upgradation of interior infrastructure of Chemistry Department

- iii) Upgradation of interior infrastructure of Estate Department
- iv) Repairing of B-Type and C-Type staff Row House consisting of flooring, Staircase, Waterproofing, etc.

**c) NEW PROJECTS STARTED:**

- i) Convention Center with a seating capacity of 2500 and with all modern facilities
- ii) 2<sup>nd</sup> Floor extension of K.S.School of Management
- iii) Building of Human Genetics Department
- iv) Extension of IAS Bhavan
- v) Planning of New Examination Center Building.

**27. TECHNOLOGY UPGRADATION**

The University has been paying special attention to the up gradation of technology. In this connection the following activities took place:

- i) Automation of Library
- ii) Work started to acquire e-resources
- iii) Planning started to implement Wi-Fi network in the campus
- iv) Plan started to set up Students Information center where all the information required by the various types of students will be provided online, on telephones and personally.
- v) Purchase of several modern equipments – especially in the School of Science
- vi) Computerization of administrative departments.

## **28. COMPUTER AND INTERNET ACCESS AND TRAINING TO TEACHERS AND STUDENTS.**

All the teaching and non-teaching departments have already been provided with computers and internet connections. A special internet access center has been set up for the students where the students just have to pay Rs.15/- to obtain a token for accessing internet. All the teachers are computer literate and therefore no new programs were run to provide computer and internet training to them. 60% of the administrative staff of clerical cadre and above is computer literate. Care is taken to ensure that all new recruitments are computer literate. The Rollwala Computer center provides training in all types of hardware including SPSS to the staff on request.

## **29. FINANCIAL AID TO STUDENTS**

The students are provided scholarships as per the government provisions. They are provided hostels (boarding and lodging) at highly subsidized rates. A new hostel block in the ladies hostel has been built up. Hostel accommodation is provided to outstation external students on a token fee of Rs.5/- per day. The University play grounds are freely available to the students for sports. The university canteen provided food to the students at very nominal rates.

**TABLE - XX**  
**SCHOLARSHIP DETAILS**

Sr. No.	Name of Scholarship	Total Amount Disbursed during the year 2006-07	No. of Students	Remarks
1	BC S.ship USS	1,096,005	200	
2	BC S.ship USG	1,146,131	223	
3	BC S.ship USP	28,450	9	
4	BC S.ship USC	296,795	48	
5	BC S.ship LIB SCI	12,130	2	
6	BC S.ship BMS	8,780	2	
7	BC S.ship USV	33,620	7	
8	BC S.ship LAW	28,190	6	
9	BC S.ship COMP CENTER	47,656	8	
10	EBC S.ship USS	156,050	99	
11	EBC S.ship USG	404,600	133	
12	EBC S.ship USC	146,775	88	
13	EBC S.ship LIB SCI	9,450	7	
14	EBC S.ship USV	53,170	22	
15	EBC S.ship LAW	7,460	3	

Sr. No.	Name of Scholarship	Total Amount Disbursed during the year 2006-07	No. of Students	Remarks
16	EBC S.ship BCJP	5,700	1	
17	National Merit S.ship USS	10,380	2	
18	National Merit S.ship USG	11,520	8	
19	National Merit S.ship USC	22,740	5	
20	Higher Education S.ship	728,481	197	
		<b>4,254,083</b>	<b>1,070</b>	

Sr. No.	Name of Scholarship	Total Amount Disbursed during the year 2007-08	No. of Students	Remarks
1	BC S.ship USS	400,425	79	
2	BC S.ship USG	842,060	173	
3	BC S.ship USP	7,760	2	
4	BC S.ship USC	334,060	86	
5	BC S.ship LIB SCI	37,305	9	
6	BC S.ship BMS			
7	BC S.ship USV	9,500	2	
8	BC S.ship LAW	73,300	14	
9	BC S.ship COMP CENTER	4,120	1	

Sr. No.	Name of Scholarship	Total Amount Disbursed during the year 2007-08	No. of Students	Remarks
10	BC S.ship D.P.E./M.P.E.	22,320	4	
11	EBC S.ship USS	137,270	79	
12	EBC S.ship USG	398,950	69	
13	EBC S.ship USP	1,450	1	
14	EBC S.ship USC	102,550	57	
15	EBC S.ship LIB SCI	14,425	10	
16	EBC S.ship USV			
17	EBC S.ship LAW	10,650	7	
18	EBC S.ship BCJP	17,730	6	
19	Hostel S.ship	535,350	164	
20	Higher Education S.ship	82,500	8	
		<b>3,031,725</b>	<b>771</b>	

### 30. ACTIVITIES AND SUPPORT FROM ALUMNI ASSOCIATION

The University has 36 teaching departments imparting courses in very diverse fields. As such it was not easy to establish an alumni association at the University level. Further many departments already had formed alumni associations long back. Under the circumstances, alumni associations have been formed in the departments where they did not exist. The existing alumni association is being revived to ensure at least one meet every year.



The main purpose of such meetings is to get a feedback from the alumni for changing syllabi and teaching methods, include activities which will increase the employability of the students, seek help of the alumni in placement, raising funds, etc.

### **31. ACTIVITIES AND SUPPORT FROM PARENT-TEACHER ASSOCIATION**

Many departments tried to organize a Parent-Teacher meet to start an association. There was very poor response to this attempt due to many reasons. First of all the University has only post-graduate and research students. They are normally quite mature so there are very few problems for which the attention of the parents needs to be drawn. Secondly, many students come from other towns and their parents find it difficult to travel all the way to Ahmedabad just for a meeting. The parents are not aware of the utility of their participation in the teaching process and convincing them of this fact would take some time. Lastly the time logistics of such meetings are very awkward so that no convenient time for all the parties concerned could be generally fixed.

Under the circumstances, the departments are planning to communicate with the parents through letters and emails and hopefully an on-line platform would be developed for this purpose.

### **32. HEALTH SERVICES**

The University has a well equipped health center. Health services begin the day a student or employee joins the University. The first step is to do a complete health check up and start the medical record for everybody. Then

medical services including those of specialists are provided free of cost to the employees and with a nominal fee of fifty paise to the students. This scheme covers the families of the staff also.

### **33. PERFORMANCE IN SPORTS ACTIVITIES**

The University has a Central Gymkhana under which sports activities are organized. All affiliate colleges and university departments take part in the sports activities which cover field and track events to popular sports like Kabaddi, Cricket, Carom, Chess, Badminton, Table Tennis, etc. The University level winners who went on to participate at the inter-university level were provided with blazers. No events could find a winner from the University at the inter-university level.

Plans are being made to improve both the sporting facilities and coaching facilities in the XI<sup>th</sup> plan.

### **34. INCENTIVES TO OUTSTANDING SPORTS PERSONS**

The participants at inter-university levels were given cash prizes and blazers as incentives.

### **35. STUDENTS ACHIEVEMENTS AND AWARDS**

A total of 236 medals were awarded to students appearing in various examinations.

**TABLE - XXI**  
**DETAILS OF MEDALS AWARDED TO STUDENTS**

Faculty	No. of Medals
Arts	55
Commerce	22
Science	45
Law	17
Education	4
Medical	49
Dental	5
Pharmacy	11
Engineering	28
	236

### **36. ACTIVITIES OF THE GUIDANCE AND COUNSELING UNIT**

It was decided not to have a central student guidance and counseling unit in view of the diverse nature of departments and courses of the University. The departments are working on plans to formalize the guidance and counseling activities.

### **37. PLACEMENT SERVICES PROVIDED TO THE STUDENTS.**

Some of the departments providing professional courses such as Master of Labour Welfare, Master of Business Administration, Master of Computer Applications & Information Technology and Master of Computer Applications have been providing regular placement services to the students. Plans are being made to set up a centralized placement office in the University itself.

The University has already provided space for the Government's Employment Bureau to set up its office in the premises years ago. This office provides all needed information to the students and registers them for employment also.

The important placement details of B.K.School of Business Management and Department of Labour Welfare, School of Social Sciences.

**TABLE - XXII**  
**PLACEMENT DETAIL B. K. SCHOOL OF BUSINESS MANAGEMENT**  
**FOR THE YEAR 2007**

<b>Sr. No.</b>	<b>Company Name</b>	<b>Offer Accepted</b>
1	Tata Consultancy Services (TCS)	3
2	Torrent Group	15
3	ICICI Bank Limited	8
4	Cholamandalam DBS	5
5	Satyam Computers	2
6	ICICI Direct	3
7	Reliance Infocom	3
8	Intas Biopharma	1
9	GCMMF(Amul)	2
10	Chiripal Group	3
11	Adani Enterprise	1

<b>Sr. No.</b>	<b>Company Name</b>	<b>Offer Accepted</b>
12	Palco Metals	1
13	IndiaBulls Securities	2
14	Somany Tiles	2
15	India Infoline	1
16	Mahindra Finance	2
17	Hind Dorr Oliver	1
18	Kotak Mahindra Bank	1
19	UTI Bank Limited	1
20	Own Business	2
	<b>Total</b>	<b>59</b>

**TABLE - XXIII**

**PLACEMENT DETAIL OF DEPARTMENT OF LABOUR WELFARE  
FOR THE YEAR 2007**

<b>Sr. No.</b>	<b>Company Name</b>	<b>Offer Accepted</b>
1	Sanghi Cement	2
2	Reliance Communication	3
3	Kalptaru Power Transmission	1
4	Ahmedabad Municipal Corporation	1
5	Rubi Rushi Pvt. Ltd.	1
6	Dhruv Consultancy	1
	<b>Total</b>	<b>9</b>

**38. DEVELOPMENT PROGRAM FOR NON-TEACHING STAFF**

In the previous years several programs for computer literacy were run for the non-teaching staff. This has resulted in a computer literacy rate of

around 80% amongst the clerical staff. Plans are being made to provide skill upgradation training to the staff in various fields.

### **39. HEALTHY PRACTICES OF THE INSTITUTION**

In the large University setup examination is the most difficult task. One or the other examinations have to be conducted throughout the year. The main focus of the University has been to modify and computerize the examination system to the utmost extent on priority basis. The work done in this area is given in point No. 5 above. Apart from this, the areas in which the practices of the University are uniquely noticeable are:

- a) Academic Calendar: This calendar is for all institutions, departments and colleges under the University. The time schedule is decided well in advanced and the teaching and examination work is conducted as per the academic calendar.

#### **QUICK DECLARATION OF RESULTS**

- b) TIMELY ADMISSIONS AND TEACHING PLANS
- c) Health services
- d) Internet access and computer support
- e) E-resources in library

### **40. LINKAGES DEVELOPED WITH NATIONAL/ INTERNATIONAL ACADEMIC/RESEARCH BODIES**

#### **I. STUDY ABROAD PROGRAM**

Gujarat University has a lot to offer at international level. Further, the increasing globalization of education implies that we must reach out to the world. In this connection this University made very special efforts due to

which the Ministry of Human Resource Development granted permission to only this University to conduct courses for foreign students. Thus was born 'KADAMB' – the center which runs the STUDY ABROAD PROGRAM OF THE UNIVERSITY. Since it started working in June 2007, 38 foreign students have studied in various colleges of the University and five students have completed full semesters during one year. All these students have done the compulsory course on Gandhian Philosophy. Many more students are expected to come next year.

The Study Abroad Program offers 12 special courses for foreign students, 13 courses for NRIs and 13 other international courses.

## **II. RESEARCH SPONSORSHIP AGREEMENT BETWEEN GUJARAT UNIVERSITY AND BRITISH PETROLEUM INTERNATIONAL LIMITED.**

British Petroleum has sponsored a research program with a funding of GBP 50,000/- for development of Jatropha – a plant which is used for manufacture of biofuel. A special laboratory has been set up in the department of Microbiology for this purpose and Prof. Meenu Saraf is its coordinator.

## **III. MoU SIGNED WITH WROCLLOW UNIVERSITY, POLAND**

A Genetic Resource Center is to be set up in which the initial course to be offered will be M.Sc. in Human Genetics. In this connection an MoU has been signed with Wrocklow University of POLAND.

#### **IV. INSTITUTE INDUSTRY PARTNERSHIP PROGRAMS BY B.K. SCHOOL OF BUSINESS MANAGEMENT:**

- a. One day seminar on Entrepreneurship Development on February 29, 2008.
- b. A Marketing Day organized on March 1, 2008
- c. Seminar on Finance on March 8, 2008
- d. Workshop on curriculum development on March 14, 2008
- e. Seminar on Human Resources on March 15, 2008
- f. The Port Management Students of the School worked on a study report entitled “Containerized Marine Trade and Gujarat Based Exporters and Importers sponsored by Confederation of Indian Industry (CII), Ahmedabad Chapter in collaboration with PGPX participants of the Indian Institute of Management, Ahmedabad – November-December 2007.
- g. The School conducted a one-day development programme for 50 officers of Sardar Sarovar Narmada Nigam Ltd. on July 15, 2006 and provided management inputs to the officers.
- h. The School also conducted two programmes for the Reserve Bank of India, Ahmedabad on “Role Transition and Change Management” for their newly promoted officers.

#### **V. RESEARCH PUBLICATIONS, PARTICIPATION IN INTERNATIONAL SEMINARS/ CONFERENCES AND PUBLICATIONS**

About 20 research papers have been published in various national and international journals by the faculty members of the university. Other



publications include books and articles in newspapers. The details of the publications are given in Table-XXII and Table- XXIII below:

**TABLE - XXIV**  
**DETAILS OF PUBLICATIONS OF FACULTY (BOOKS)**

SR. NO.	TITLE OF BOOK	NAME OF FACULTY	Department	REMARKS
1	General Accounting	Dr. H. C. Sardar	School of Commerce	In English & Gujarati
2	Redefining Feminism	Dr. Ranjana Harish	English Dept.	
3	Nand Batrishi	Dr. Kirtida Shah	Gujarati Dept.	
4	Test of Languages:Gujarati	Dr. Arvind Bhandari	Linguistics Dept.	
5	Ghalib	Dr. C. A. Shaikh	Urdu/Persian Dept.	
6	Vali ni Ghazalo ma Hindustani Tatvo	Dr. C. A. Shaikh	Urdu/Persian Dept.	
7	Dhatu Tryi & Sanskrit Vakya-Praveshika	Dr. V. M. Bhatt	Sanskrit Dept.	
8	Laghu Siddhantikaumudi	Dr. K. C. Choksi	Sanskrit Dept.	
9	Kali-Vidambaman	Dr. S. Y. Shastri	Sanskrit Dept.	
10	Penology: Sentencing Process & Treatment of Offenders	Dr. K. C. Raval	School of Law	Co Author Krishanpal Malik
11	Shisha Shatra ane Aparadhione Malta Upcharo	Dr. K. C. Raval	School of Law	Co Author Krishanpal Malik & Jyoti G. Sadhu
12	Review of Related Literature	Dr. R. S. Patel	Education Dept.	

SR. NO.	TITLE OF BOOK	NAME OF FACULTY	Department	REMARKS
13	Basics of Information Technology for Teachers	Dr. S. S. Shukla	Education Dept.	
14	Vikasman Bhartiya Samajma Shikshak	Dr. A. J. Bharvad	Education Dept.	Gujarati
15	Teacher in Emerging Indian Society	Dr. A. J. Bharvad	Education Dept.	
16	Experimental Psychology Theory & Practice	Dr. Ashvin Jansari	Psychology Dept.	
17	Introductory Food Microbiology	Dr. H. A. Modi	Life Science Dept.	
18	Operations Research	Dr. N. H. Shah	Mathematics Dept.	
19	Tribal Widows of Rural Gujarat	Dr. J. C. Patel	Sociology Dept.	
20	Gujarat Ma Stri No Darajjo	Dr. C. K. Raval	Sociology Dept.	Gujarati
21	Dikari Amari Kul Diwali	Dr. C. K. Raval	Sociology Dept.	Gujarati
22	Samajno Suraj	Dr. C. K. Raval	Sociology Dept.	Gujarati
23	Role of Developing Society	Dr. Sonal R. Pandya	Journalism Dept.	

**TABLE – XXV**  
**DETAILS OF PUBLICATIONS OF FACULTY (JOURNALS)**

SR. NO.	NAME OF BOOK/JOURNAL WITH ISSUE NO. AND DATE	NAME OF FACULTY	DEPARTMENT	REMARKS
1	Finance India Dec-'07 Vol XXL No.4	Dr. H. C. Sardar	School of Commerce	International
2	Dalit Literature , Saroop & Sons, Dec-2008	Dr. Darshna Trivedi	English Dept.	National
3	Redefining feminism, Rawat Publications, January-2008	Dr. Darshna Trivedi	English Dept.	National
4	Gujarat Sahitya Academy	Smt. Nutan Damor	English Dept.	State
5	Vidya	Dr. Kirtida Shah	Gujarati Dept.	National
6	Prakrit Bharti	Dr. Saloni Joshi	Prakrit/Pali Dept.	National
7	J.N.V. , J.O.P.	Dr. Dinanath Sharma	Prakrit/Pali Dept.	National
8	Drashti April '06	Dr. K. C. Raval	School of Law	Local
9	Gujarat Law Reporter 2006, XLVII Issue No.4	Dr. K. C. Raval	School of Law	Local
10	Payavaran Mitra May-June'06 Issue 100	Dr. K. C. Raval	School of Law	Local
11	Payavaran Mitra May-June'06 Issue 100	Dr. K. C. Raval	School of Law	Local
12	The Indian Journal of Legal Studies Vol.xxiv 2006-07	Dr. K. C. Raval	School of Law	National
13	Gujarat Law Reporter 2007 XLVII Issue-1	Dr. K. C. Raval	School of Law	Local
14	Gujarat High Court Judgement Vol.15	Dr. K. C. Raval	School of Law	Local

SR. NO.	NAME OF BOOK/JOURNAL WITH ISSUE NO. AND DATE	NAME OF FACULTY	DEPARTMENT	REMARKS
15	Payavaran Mitra July-Aug'07 Issue 113	Dr. K. C. Raval	School of Law	Local
16	Abhidrashti Nov.-'07	Dr. K. C. Raval	School of Law	Local-Gujarati
17	Abhidrashti Dec.-'07	Dr. K. C. Raval	School of Law	Local-Gujarati
18	Gujarat High Court Judgement Vol.16	Dr. K. C. Raval	School of Law	Local
19	Nivrut Sathi, March'08	Dr. K. C. Raval	School of Law	Local-Gujarati
20	Gujarat Law Herald, 2007	Dr. S. P. Rathor	School of Law	National
21	Gujarat Law Herald, 2007	Dr. S. P. Rathor	School of Law	National
22	Gujarat Journal of Psychology	Dr. R.S.Patel	Education Dept.	State Level
23	Gujarat Journal of Psychology	Dr. M. T. Mistry	Education Dept.	State Level
24	Ph.D. Association Magazine	Dr. M. T. Mistry	Education Dept.	Local
25	Gujarat Journal of Psychology	Dr. M. T. Mistry	Education Dept.	State Level
26	Gujarat Journal of Psychology	Dr. S. S. Shukla	Education Dept.	State Level
27	Gujarat Journal of Psychology	Dr. S. S. Shukla	Education Dept.	State Level
28	Vidya	Dr. A. J. Bharvad	Education Dept.	National
29	Vidya	Dr. A. J. Bharvad	Education Dept.	National
30	Vidya	Dr. L. G. Malav	Education Dept.	National
31	Gujarat Journal of Psychology	Dr. L. G. Malav	Education Dept.	State Level

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32	Gujarat Journal of Psychology	Dr. L. G. Malav	Education Dept.	State Level
33	Journal of Modern Educational Research in India	Dr. L. G. Malav	Education Dept.	National
34	Vidya	Dr. D. S. Charan	Philosophy Dept.	National
35	Divyabhaskar	Dr. Ashvin Jansari	Psychology Dept.	Local
36	Vidya, March-2008	Dr. Ashvin Jansari	Psychology Dept.	State
37	Journal of Indian Academy of Applied Psychology, July-'07 VOL. 33 No.2	Dr. K. Mathur	Psychology Dept.	National
38	Gujarat Journal of Psychology, Jan-March '08-VOL 25	Dr. K. Mathur	Psychology Dept.	State
39	Arvalli, 2007	Dr. D. J. Panchal	Psychology Dept.	State
40	Vidya, March-2008	Dr. Dilip Charan	Psychology Dept.	State
41	Adv. Material Research 20-21,501-504	Dr. S. R.Dave	Dept.of Bio-Techonology & Microbiology Dept.	National
42	Adv. Material Research 20-21,423-426	Dr. S. R.Dave	Dept.of Bio-Techonology & Microbiology Dept.	National
43	Bioresou. Tech.'08	Dr. S. R.Dave	Dept.of Bio-Techonology & Microbiology Dept.	National(On line)
44	Bioresou. Tech.'08	Dr. S. R.Dave	Dept.of Bio-Techonology & Microbiology Dept.	National(On line)
45	J.Microbial World, 9(2)	Dr. Meenu Saraf	Microbiology Dept.	National

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46	Adv. Material Research 20-21,501-504	Dr. D. R. Tipe	Dept.of Bio-Techonology & Microbiology Dept.	National
47	Bioresou. Tech.'08	Dr. D. R. Tipe	Dept.of Bio-Techonology & Microbiology Dept.	National(On line)
48	Plant Tissue Culture & Bio-Tech 16(2):77-84	Dr. Y. T. Jasrai	Botany Dept.	National
49	Sajosps 8(1):85-89	Dr. Y. T. Jasrai	Botany Dept.	National
50	The ICFAI Journal of Bio-Technology 11(4):48/56	Dr. Y. T. Jasrai	Botany Dept.	National
51	International Journal of Bio-Science Reporter 5(1) 213-214	Dr. A. U. Mankad	Botany Dept.	International
52	International Journal of Bio-Science Reporter 5(1) 173-176	Dr. A. U. Mankad	Botany Dept.	International
53	Advance in Biological Sciences 6(1 & 2):77-78	Dr. A. U. Mankad	Botany Dept.	National
54	Advance in Biological Sciences 6(1 & 2):67-68	Dr. A. U. Mankad	Botany Dept.	National
55	International Journal of Bio-Science Reporter 5(2) 497-500	Dr. A. U. Mankad	Botany Dept.	International
56	Vidya 2(1): 47-57,2007	Dr. H. A. Solanki	Botany Dept.	National
57	Vidya 2(1): 58-63,2007	Dr. H. A. Solanki	Botany Dept.	National
58	The ICAFI Journal of Life Science 1(1):30-39	Dr. H. A. Solanki	Botany Dept.	National
59	International Journal of Bio-Science 5(2) 607:611,2007	Dr. H. A. Solanki	Botany Dept.	International

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60	International Journal of Bio-Science 5(2) 479:481,2007	Dr. H. A. Solanki	Botany Dept.	International
61	Advance in Biological Sciences 6(1 & 2):53-55	Dr. H. A. Solanki	Botany Dept.	National
62	Advance in Biological Sciences 6(1 & 2):63-66	Dr. H. A. Solanki	Botany Dept.	National
63	Advance in Biological Sciences 6(1 & 2):103-105	Dr. H. A. Solanki	Botany Dept.	National
64	Vidya 2(2):5-8,2007	Dr. H. A. Solanki	Botany Dept.	National
65	International Journal of Bio-Science Reporter 4(2)	Dr. H. A. Pandya	Botany Dept.	National
66	Biological Indigenous Knowledge System 2006	Dr. H. A. Pandya	Botany Dept.	National
67	Advances in Biological Sciences Vol 6(1), 2007	Dr. H. A. Pandya	Botany Dept.	National
68	Medicinal Chemistry Research 15,2007	Dr. S. K. Menon	Chemistry Dept.	International
69	Reviews in Inorganic Chemistry VOL-27 No.4,Sept'07	Dr. S. K. Menon	Chemistry Dept.	International
70	Dyes and Pigments	Dr. S. K. Menon	Chemistry Dept.	International Accepted
71	Bio Organic Chemistry and Application Article ID 65815,2007	Dr. S. K. Menon	Chemistry Dept.	International
72	Molecular Crystal Liquid	Dr. S. K. Menon	Chemistry Dept.	International- In Press
73	Journal of Magnetic Materials	Dr. S. K. Menon	Chemistry Dept.	International-In Press
74	Indian Journal of Chemistry VOL 47-A,2008	Dr. S. K. Menon	Chemistry Dept.	International
75	Fullerence Nano Tubes 2008	Dr. S. K. Menon	Chemistry Dept.	International-In Press
76	Journal of Iranian Chemical Society	Dr. V. K. Jain	Chemistry Dept.	International-Accepted 2008

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77	Journal of Chil Chemical Society 52, No.2(2007)	Dr. V. K. Jain	Chemistry Dept.	International-Accepted 2008
78	Heterocycles 71(2007)6	Dr. V. K. Jain	Chemistry Dept.	International-Accepted 2008
79	Journal of Analytical Chemistry VOL-62 No.2	Dr. V. K. Jain	Chemistry Dept.	International-Accepted 2008
80	Indian Journal of Pure and Applied Physics, 45,2007	Dr. P. N. Gajjar	Physics Dept.	Natioanl
81	Indian Journal of Pure and Applied Physics, 81,2007	Dr. P. N. Gajjar	Physics Dept.	Natioanl
82	Indian Journal of Pure and Applied Physics, 81,2007	Dr. P. N. Gajjar	Physics Dept.	Natioanl
83	Indian Journal of Pure and Applied Physics, 81,2007	Dr. P. N. Gajjar	Physics Dept.	Natioanl
84	ICAMA Proceedings, 2007 (Two Articles)	Dr. P. N. Gajjar	Physics Dept.	National
85	Computational Materials Sciences, 42, 2008	Dr. P. N. Gajjar	Physics Dept.	National
86	Communications in Theoretical Physics	Dr. P. N. Gajjar	Physics Dept.	International
87	Turkish Journal of Physics	Dr. P. N. Gajjar	Physics Dept.	International
88	Solid State Physics, 50,2007 (Three Articles)	Dr. P. N. Gajjar	Physics Dept.	National
89	Vidya, March-2008	Dr. V. H. Gandhi	Physics Dept.	State
90	IAPT Bulletin,2007	Dr. P. D. Lele	Physics Dept.	National
91	Indian Journal of Pure and Applied Sciences, 2007 15	Dr. R. B. Jotania	Physics Dept.	National
92	Journal of Magnetism and Magnetic Materials ,320, 2008	Dr. R. B. Jotania	Physics Dept.	International
93	European Physical Journal, 68,2007	Dr. P. R. Vyas	Physics Dept.	International
94	Proceedings of DAE-SSPS, 52- 2007	Dr. P. R. Vyas	Physics Dept.	National



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95	Proceedings of NSAMS, 2008	Dr. P. R. Vyas	Physics Dept.	National
96	Frontiers of Microwave and Opto electronics-2007	Dr. V. A. Rana	Physics Dept.	National
97	Solid State Physics, 52(2007)	Dr. U. S. Joshi	Physics Dept.	National
98	Materials Science and Engineering, 148-2008	Dr. U. S. Joshi	Physics Dept.	National
99	Proceedings of PLD-2007-08(Three Articles)	Dr. U. S. Joshi	Physics Dept.	National
100	Proceedings of ICAM,2008 (Two Articles)	Dr. U. S. Joshi	Physics Dept.	National
101	Proceedings of National Conference on Advanced Materials,2008	Dr. U. S. Joshi	Physics Dept.	National
102	Turkish Journal of Physics,31(2007)	Dr. S. M. Vyas	Physics Dept.	International
103	Proceeding of NSAMS-2008	Dr. S. M. Vyas	Physics Dept.	National
104	Sankhya Vignan, June 2007	Dr. R. G. Bhatt	Statistics Dept.	National
105	IAPQR 32(1),2007	Dr. M. N. Patel	Statistics Dept.	international
106	Insti.Jr. of Statistical Science, 32(1),2007	Dr. M. N. Patel	Statistics Dept.	international
107	Commu.In Statistics, 36(2007)	Dr. M. N. Patel	Statistics Dept.	international
108	Far East Journal of Applied Mathematics, 27(2), 29(3),2007	Dr. R. D. Patel	Statistics Dept.	international
109	Vidya, March-2008, 3(1)	Dr. C. D. Bhavsar	Statistics Dept.	international
110	Souvenir Geography Dept.	Dr. K. M. Kulkarni	Geography Dept.	Page 89-93
111	Souvenir Geography Dept.	Dr. K. M. Kulkarni	Geography Dept.	Page 108

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112	Journal of Cell & Tissue Culture, VOL :7(1),2008	Dr. N. K. Jain	Life Science Dept.	International
113	Ecology Environment and Conservation, 13(4)-2007	Dr. H. A. Modi	Life Science Dept.	International
114	Pollution Research , 27(1)-2007	Dr. H. A. Modi	Life Science Dept.	International
115	Maths Mag 80(4),2007	Dr. A. K. Desai	Mathematics Dept.	International
116	Mathematics Today, 34-2008	Dr. A. K. Desai	Mathematics Dept.	National (With N. P. Shrimali)
117	Mathematics Today, 34-2008	Dr. S. K. Patel	Mathematics Dept.	National
118	International Journal of Computational Intelligence Research and Applications, 1(1), 2007	Dr. N. H. Shah	Mathematics Dept.	International
119	International Journal of Computational Intelligence Research and Applications, 1(1), 2007	Dr. N. H. Shah	Mathematics Dept.	International
120	Revista Investigacion Operacional,28(2)	Dr. N. H. Shah	Mathematics Dept.	International
121	Revista Investigacion Operacional,28(3)	Dr. N. H. Shah	Mathematics Dept.	International
122	Economic Computation and Economic Cybernetics and Research, 41(3-4), 2007	Dr. N. H. Shah	Mathematics Dept.	International
123	Control and Cybernetics, 36(2),2007	Dr. N. H. Shah	Mathematics Dept.	International
124	European Journal of Operational Research ,184(1)-2008	Dr. N. H. Shah	Mathematics Dept.	International
125	Applied Mathematical Sciences, 2(16),2008	Dr. N. H. Shah	Mathematics Dept.	International
126	The ICFAI Journal of Operations Management, 7(1)-2008	Dr. N. H. Shah	Mathematics Dept.	National

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127	Investigacion Operacional, 2(2)-2008	Dr. N. H. Shah	Mathematics Dept.	International
128	Indus Journal of Management and Social Sciences, 2(1)	Dr. N. H. Shah	Mathematics Dept.	National
129	Vidya, 3(1)-2008	Dr. N. H. Shah	Mathematics Dept.	State
130	Mathematics Today (Two Articles)	Dr. N. H. Shah	Mathematics Dept.	National
131	Vitro 21,626-631	Dr. M.V.Rao	Zoology Dept.	International(Co-Author G.Avani)2007
132	Food and Chemical Toxicology 46:1138-1142	Dr. M.V.Rao	Zoology Dept.	International(Co-Author D. D. Jhala, N. J. Chinoy)2008
133	Vitro (22):935-942	Dr. M.V.Rao	Zoology Dept.	International (Co-Author Bindu G.)2008
134	Fluoride 40(1) 29-36	Dr. M.V.Rao	Zoology Dept.	International(Co-Author SL Chawla, R Yadav, D Shah)2008
135	Phytomedicine 15:221-225	Dr. M.V.Rao	Zoology Dept.	International(Co-Author G.Avani)2007
136	Asian Journal of Traditional Medicine 3(3) 1-5	Dr. M.V.Rao	Zoology Dept.	International(Co-Author G.Avani)2008
137	International Journal of Human Genetics 8(3):301-305	Dr. M.V.Rao	Zoology Dept.	International(Co-Author D.D.Jhala, A. Patel and S.S. Chettiar)2008
138	International Journal of Human Genetics 8(4):361-363	Dr. M.V.Rao	Zoology Dept.	International(Co-Author V. R. Hydrabadi and D. Chandel)2008

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139	Journal of Herbal Medicine & Toxicology 1(1) 47-50	Dr. M.V.Rao	Zoology Dept.	National)Co-Author Bhatt N. Chawla SL)
140	The Bioscan 2(2)77-81	Dr. M.V.Rao	Zoology Dept.	National (Co-Author Damore D.M.)2007
141	The Bioscan 2(2)77-81	Dr. M.V.Rao	Zoology Dept.	National (Co-Author Damore D.M.)2007
142	The Bioscan 3(2):129-133	Dr. M.V.Rao	Zoology Dept.	National (Co-Author Bindu G.)2008
143	Acta Pol. Pharma-Drug Res., 64:35-38	Dr. R. J. Verma	Zoology Dept.	(Co-Author Asnani V)2007
144	Fluoride.40:7-12	Dr. R. J. Verma	Zoology Dept.	International(Co-Author Trivedi MH, Chinoy NJ)2007
145	Acta Pol. Pharma-Drug Res., 64:165-168	Dr. R. J. Verma	Zoology Dept.	(Co-Author)Mathuria, Neeta)2007
146	Research Link 38:26-27	Dr. R. J. Verma	Zoology Dept.	(Co-Author Kolhe AS)2007
147	Research Link 38:28-29	Dr. R. J. Verma	Zoology Dept.	(Co-Author Kolhe AS)2007
148	Acta Pole Pharma- Drug Res., 64:217-220	Dr. R. J. Verma	Zoology Dept.	(Co-Author Asnani V)2007
149	Acta Pole Pharma- Drug Res., 64:221-225	Dr. R. J. Verma	Zoology Dept.	(Co-Author Trivedi MH and Chinoy NJ)2007

SR. NO.	NAME OF BOOK/JOURNAL WITH ISSUE NO. AND DATE	NAME OF FACULTY	DEPARTMENT	REMARKS
150	International Journal of Biological Marker, <b>22</b> :132-143	Dr. R. J. Verma	Zoology Dept.	International(Co-Author Shah NG, Trivedi TI, Tankshali RA, Goshwami JV, Shah JS, Jetly DH, Kobawala TP, Patel KC, Shukla SN, Shah SN, Shah PM)2007
151	Acad.Sci.India <b>77</b> :111-133	Dr. R. J. Verma	Zoology Dept.	(Co-Author Chaudhary A)2007
152	Fluoride <b>40</b> :178-183	Dr. R. J. Verma	Zoology Dept.	International(Co-Author Trivedi MH, Chinoy NJ, Patel RS, Sathwara NG)2007
153	Natural Product Radiance <b>6</b> : 310-314	Dr. R. J. Verma	Zoology Dept.	(Co-Author Chakraborty D.)2007
154	Dwivedi, SC & Dwivedi N.(eds.)Aavishkar Publishers, Distributors, Jaipur Pp.70-89	Dr. R. J. Verma	Zoology Dept.	(Co-Author Mathew S. & Chakraborty D.)2007
155	Acta Pole Pharma- Drug Res., <b>63</b> :413-416	Dr. R. J. Verma	Zoology Dept.	(Co-Author Mathuria Neeta)2007
156	Acta Pole Pharma- Drug Res., <b>63</b> :417-421	Dr. R. J. Verma	Zoology Dept.	(Co-Author Trivedi MH, Keswani H, Choksi P, Sangai N.)2007
157	Acta Pole Pharma- Drug Res., <b>63</b> :497-502	Dr. R. J. Verma	Zoology Dept.	(Co-Author Mathuria Neeta)2007

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158	Acta Pole Pharma- Drug Res., 15	Dr. R. J. Verma	Zoology Dept.	(Co-Author Mathuria Neeta)2007
159	Indian Journal of regional Sci., VOL:XXXIX-2007	Dr. Hina Sidhu	Economics Dept.	National
160	Vidya, March-2008	Dr. Hina Sidhu	Economics Dept.	State
161	Journal For Communication and Research on Labour Issues	Dr. Rajasi Clerk	Labour Welfare Dept.	National
162	Journal For Communication and Research on Labour Issues	Dr. Rajasi Clerk	Labour Welfare Dept.	National
163	Journal For Communication and Research on Labour Issues	Dr. Rajasi Clerk	Labour Welfare Dept.	National
164	HRD News Latter VOL-23 No.11 Feb-'08	Dr. Sujata Soni	Labour Welfare Dept.	National
165	Rajniti, March-2008	Dr. Sarman Zala	Political Science Dept.	State
166	Rajniti, March-2008	Dr. Mukesh H. Khatik	Political Science Dept.	State
167	Yojana, Issue No. 6, April 2007	Dr. M. H. Makwana	Sociology Dept.	National
168	Yojana, Issue No. 8, April 2007	Dr. M. H. Makwana	Sociology Dept.	National
169	Vidya, Vol. 2, Sept, 2007	Dr. M. H. Makwana	Sociology Dept.	State
170	Dalit Chetna, Issue No.5, March 2007	Dr. M. H. Makwana	Sociology Dept.	State
171	Dalit Chetna, Issue No. 6, April, 2007	Dr. M. H. Makwana	Sociology Dept.	State
172	Indian Journal of Pure and Applied Physics(India) 45,89-92(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author S. R. Mishra & A. R. Jani) International

SR. NO.	NAME OF BOOK/JOURNAL WITH ISSUE NO. AND DATE	NAME OF FACULTY	DEPARTMENT	REMARKS
173	Indian Journal of Physics(India) 81,125-129(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author S. R. Mishra & A. R. Jani) International
174	Indian Journal of Physics(India) 81,131-135(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author A. K. Shah) International
175	Indian Journal of Physics(India) 81,137-141(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author B. Y. Thakore & A. R. Jani) International
176	Indian Journal of Pure and Applied Physics(India) 45,509-513(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author P. B. Thakore & A. R. Jani) International
177	Processing of International Conference on Advanced Materials and Applications(ICAMA-2007) Kolhapur, India p-61.pdf,33.1-33.15	Prof. P. N. Gajjar	Physics Department	(Co-Author P. B. Thakore & A. R. Jani and Mitesh Joshi) International
178	Processing of International Conference on Advanced Materials and Applications(ICAMA-2007) Kolhapur, India p-196.pdf,76.1-76.9	Prof. P. N. Gajjar	Physics Department	(Co-Author P. S. Vyas, B. Y. Thakore & A. R. Jani ) International
179	Computational Materials Science 42,316-321(2008)	Prof. P. N. Gajjar	Physics Department	(Co-Author Minal H. Patel & A. R. Jani ) International
180	Indian Journal of Pure and Applied Physics(India) 46,394-396(2008)	Prof. P. N. Gajjar	Physics Department	(Co-Author B.Y. Thakore & A. R. Jani) International
181	Indian Journal of Pure and Applied Physics(India) 46,431-434(2008)	Prof. P. N. Gajjar	Physics Department	(Co-Author P. B. Thakore, V.N. Patel, B. Y. Thakore & A. R. Jani) International
182	Indian Journal of Pure and Applied Physics(India) 46,488-490(2008)	Prof. P. N. Gajjar	Physics Department	(Co-Author A. K. Shah) International

SR. NO.	NAME OF BOOK/JOURNAL WITH ISSUE NO. AND DATE	NAME OF FACULTY	DEPARTMENT	REMARKS
183	Communications in Theoretical Physics(China)(2008)Accepted	Prof. P. N. Gajjar	Physics Department	(Co-Author P. S. Vyas, B. Y. Thakore & A. R. Jani) International
184	Turkish Journal of Physics(TURKEY)(2008)Accepted	Prof. P. N. Gajjar	Physics Department	(Co-Author A.K.Shah) International
185	Solid State Physics(India) 50,163(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author Miyesh Joshi, B. Y. Thakore & A. R. Jani) National
186	Solid State Physics(India) 50,713(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author P. B. Thakore, B. Y. Thakore & A. R. Jani) National
187	Solid State Physics(India) 50,881(2007)	Prof. P. N. Gajjar	Physics Department	(Co-Author Manjul Kumar, B. Y. Thakore & A. R. Jani) National
188	Vidya, Vol.II, September-2007,pp.60-63	Dr. V. H. Gandhi	Physics Department	State Level
189	Vidya, Vo.III, March-2008, pp.36-42	Dr. V. H. Gandhi	Physics Department	(Co-Author G. R. Shah ) State Level
190	IAPT Bulletin 316-318(October-2007)	Dr. P. D. Lele	Physics Department	National Level
191	Journal of Pure and Applied Science, VOL15, December 2007, pp.105-110	Dr. R. B. Jotania	Physics Department	National Level
192	Journal of Magnetic Materials, Vol.320,March 2008) pp.1095-1101	Dr. R. B. Jotania	Physics Department	(Co-Author R.B.Khomane, C.C. Chauhan & B.D. Kulkarni) International Level



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193	Proceeding of 5 <sup>th</sup> International Symposium on nano manufacturing, January-2008,pp.25-28	Dr. R. B. Jotania	Physics Department	(Co-Author R.B.Khomane, C.C. Chauhan & B.D. Kulkarni) International Level
194	European Physical Journal-B, Vol.-68,(2007) 61	Dr. P. R. Vyas	Physics Department	(Co-Author N. K. Bhatt, A. R. Jani & V. B. Gohel) International Level
195	Proc. Of DAE-SSPS. Vol.-52, (2007) 87	Dr. P. R. Vyas	Physics Department	(Co-Author N. K. Bhatt, A. R. Jani & V. B. Gohel) National Level
196	Proc. Of NSAMS-2008, (2008) 152-153	Dr. P. R. Vyas	Physics Department	(Co-Author N. K. Bhatt, A. R. Jani & V. B. Gohel) National Level
197	Int.Conf. on Microwaves and Optoelectronics(ICMO-2007)pp. 573-581	Dr. V. A. Rana	Physics Department	(Co-Author A. N. Prajapati, A. D. Vyas & S. P. Bhatnagar) International Level
198	Solid State Physics (India) Vol.52,693(2007)	Dr. U. S. Joshi	Physics Department	National Level
199	Material Science & Engineering B, 148,40(2008)	Dr. U. S. Joshi	Physics Department	International Level
200	Turkish Journal of Physics, 31(2007) 231-233	Dr. S. M. Vyas	Physics Department	(Co-Author G. R. Pandya, Dimple Shah & M. P. Jani) International Level
201	Proceedings of NSAMS-2008, Feb-2008, page 106-108	Dr. S. M. Vyas	Physics Department	(Co-Author Piyush Patel, G. R. Pandya & R. P. Khatri)

SR. NO.	NAME OF BOOK/JOURNAL WITH ISSUE NO. AND DATE	NAME OF FACULTY	DEPARTMENT	REMARKS
202	Earth Planets Space (Japan), 60, 623-632,2008	Dr. M. E. James	Physics Department	(Co-Author R. G. Rastogi, H. Chandra, K. Kitamura and K. Yumoto) International Level
203	Journal of Indian Geophy Union, Vol.12, No.2, PP 63-71,2008	Dr. M. E. James	Physics Department	(Co-Author R. G. Rastog & , H. Chandra,) National Level

Two faculty members attended conferences abroad.

Vidya – the research journal of the University – has been publishing research articles related with all fields of teaching at higher education.

The University has also been publishing its News letter – Vidyavrut – regularly.

#### **41. NAAC RELATED ACTIVITIES**

The University has a very large number of affiliated colleges. Some of these colleges are well aware of the importance of quality enhancement and have undergone the accreditation process. But there are many colleges which needed to develop awareness about quality enhancement and also needed help for undergoing the accreditation process. Thus the University tried to improve the quality of its own service delivery on one hand and tried to help out the affiliated colleges to undergo the accreditation process. The steps taken to help out the affiliated colleges with their accreditation process are outlined below.

- I. Organization of a one-day workshop on NAAC Orientation for affiliated colleges of Gujarat University and Sardar Patel University on May 11, 2008.
- II. Development of structural program for preparation of LOI, IEQA and SSR by Dr.H.C.Sardar and Dr.Neerja Arun
- III. One day orientation program for Principals of affiliated colleges of Gujarat University where the Commissioner, Higher Education, Mrs.Jayanti Ravi was the chief Guest. Enumeration of progress of accreditation work of colleges.
- IV. A special drive was undertaken by the members of the IQAC to help the affiliated colleges to submit IEQA, solve the problems related to rejection of IEQA, enable better contact with NAAC and help in preparation of SSR. In this connection special focus has been given to colleges in the rural areas.

#### **SECTION IV. PLANS FOR THE COMING YEAR**

Maintenance of quality is as important as its enhancement in any academic activity. Therefore, several activities are planned for the coming year. These focus on introduction of new courses, reforms in service delivery and examinations from annual system to semester system, improvement in infrastructure, etc. Some of the specific activities which have been earmarked for the coming years are as under:

##### **NEW COURSES PLANNED:**

- I. INTRODUCTION OF M.PHIL PROGRAM IN INDIAN DIASPORA
- II. CERTIFICATE COURSE IN SEZ MANAGEMENT
- III. CERTIFICATE COURSE IN FORENSIC ACCOUNTING
- IV. COURSE IN ENVIRONMENT MANAGEMENT
- V. ENGLISH LANGUAGE PROFICIENCY ENHANCEMENT FACILITY FOR THE STUDENTS THROUGH SCOPE CENTRE.
- VI. INTRODUCTION OF NEW DIPLOMA COURSES IN LAW SUCH AS P.G. DIPLOMA IN PATENTS FOR WHICH SPECIAL GRANT HAS BEEN GIVEN BY THE GUJARAT GOVERNMENT.
- VII. ESTABLISHMENT OF INTERNATIONAL LANGUAGE LAB

##### **SYSTEMIC DEVELOPMENT**

- I. INTRODUCTION OF DECENTRALIZED PLANNING AT DEPARTMENTAL LEVEL FOR QUALITY IMPROVEMENT.
- II. REVISION AND UPGRADATION OF SYLLABI
- III. PROMOTING USE OF LIBRARY AND OTHER E RESOURCES AMONGST THE STUDENTS.

- IV. INTRODUCTION OF SEMESTER BASED SYSTEM
- V. STRENGTHENING OF FACULTY AND STAFF FEED BACK MECHANISM AND ENSURING ITS PROPER UTILIZATION.
- VI. STRENGTHENING OF FACULTY AND STAFF FEED BACK MECHANISM AND ENSURING ITS PROPER UTILIZATION

### **INFRASTRUCTURE DEVELOPMENT**

- I. ESTABLISHMENT OF WI-FI SYSTEM IN THE CAMPUS.
- II. ESTABLISHMENT OF STUDENTS' INFORMATION CENTER WITH COMPLETE COMPUTERIZATION.
- III. COMPUTERIZATION OF EMPLOYEE DATABASE.
- IV. FURTHER COMPUTERIZATION OF ENROLMENT, ADMISSION AND EXAMINATION WORK.
- V. COMPLETION OF ONGOING INFRASTRUCTURE ACTIVITIES AND PLANNING NEW DEVELOPMENTS IN INFRASTRUCTURE.

### **SUPPORT TO AFFILIATED COLLEGES**

The target for the current year is to ensure 100% accreditation of all the eligible affiliated colleges of the University. For this a continuous monitoring will be undertaken and active support will be provided to these colleges.

LASTLY THE UNIVERSITY PLANS TO MAKE PROGRESS IN THE ACHIEVEMENT OF ITS GOALS.