



Department of Geography

**University School of Sciences,
Gujarat University, Navrangpura, Ahmedabad 380009.**

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Director : Prof. M. V. RAO

Head I/C : MR. MAHESHKUMAR K. PATEL



Brief History

The Department of Geography was established in July 1977 initially in the school of Social Sciences with full time Lecturers. Shri Shyamlal Harilal Bhagvati, a noted industrialist made it possible to house this newly born department in an independent building in the year 1979. Since then the department has become functionally part of the School of Sciences. In addition to teaching, the department provides research guidance to Ph.D. students : At present 40 students are in M.A, Programme and 2 students are working for Ph.D. programme.

Present Scenario

The department has at present well trained Cartographer and more faculties are going to be recruited. The department is providing the world class teaching facilities to the students through online classes, webinar, Audio visual class etc. The Cartographic and Computer Laboratories are equipped with Optical Reflector Projector, tracing tables, GPS handset, 05 computers with Pentium IV, scanner, Digitizer, 3 printers, LCD projector, Geo-spatial software

package (Arc GIS 9.3.1, Geomedia professional , Ilwiss3.4), more than 500 SOI toposheets, Polycrat -wall maps, raised relief maps, National Geographic CD's set, Yaschika camera, Electronic Planimeter, Satellite imageries, Aerial photograph etc.. In addition the department has overhead projectors, slide projectors and colour Television. Over the years the Department has conducted a National level Conference of Indian Institute of Geographers (IIG) (1983) and several regional level workshop on research methodology, cartography and development. The faculty members have successfully conducted seven research projects funded by the University Grants Commission, Indian Council of Social Science Research, Department of Environment and Forests, Narmada Sardar Sarovar Planning Board, and Department of Science and Technology. Till now, 18 candidates have successfully completed their Ph.D. programme, one is submitted the full thesis and one is in the final stage. The focus of research is on the urban , social and health issues. The department proposes to develop Geoinformatics as a highly specialised skill for geographical, locational, environmental and regional planning studies.

Course offered

Name of the Course	: M. A. / M.Sc- in Geography
Type of Course	: Grant -in - Aid
Intake Capacity	: 35
Eligibility	: B.A. / B.Sc. with Geography

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Subject offered / specialization

M.A. Semester - I :

Theory:

- Advanced & Applied Geomorphology (GEO401)
- Principles and Applied Climatology (GEO402)
- Human Ecology (Environment and Biogeography (GEO403)
- Principles of Economic Geography (GEO404)

Practical:

- Cartographic Methods (GEO405PR)
- Quantitative Methods (GEO406PR)

M.A. Semester - II :

Theory:

- Philosophy of Geographical Thought (GEO407)
- Principles and Applied Oceanography (GEO408)
- Population and Settlement Geography (GEO409)
- Regional Geography of India (GEO410)

Practical:

- Research Methods & Field Survey (GEO411PR)
- Computer Base & Data Base (GEO412PR)

M.A. Semester - III :

Theory:

- Geography of Tourism (GEO501EA)
- Hydrology & Water Resources (GEO501EB)
- Geography of Urban Systems (GEO502EA)
- Geography of Agriculture (GEO502EB)
- Social Geography (GEO503EA)
- Geography of Rural Market Centers (GEO503EB)
- Regional Planning and Development (GEO504EA)
- Regional Development and SAARC Countries (GEO504EB)

Photo match depicting the transformation of the Rio Grande in the Big Bend region.

1975

2000

Practical:

- Geographical Information Systems (505PRA)
- Computer Cartography-Digital Image Processing(505PRB)
- Remote Sensing and Image Interpretation (506PRA)
- Global Positioning System and Surveying (506PRB)

M.A. Semester - IV :**Theory:**

- Geography of Natural Resources Management (507EA)
- Geography of Human Resources Management (507EB)
- Geography of Natural Hazards Management (508EA)
- Geography of Human Hazards Management (508EB)
- Geography of Social Well-being (509EA)
- Geography of Health (509EB)
- Geography of Urban Issues, Planning & Development (510EA)
- Geography of Development (510EB)

Practical:

- Literature Survey and Book Review (511PRA)
- Formulation of Research Design (511PRB)
- Mini Research Project (512PRA)
- Village or Urban Field Survey (512PRB)

Course Evaluation Process:

Theory Subject					
Internal Marks (30%)				External Marks (70%)	Total Marks
Assignment Submission	Assignment Presentation	Attendance	Mid Term Exam	University Exam.	100
5%	5%	5%	15%	70%	
Practical Subject					
Internal Marks (30%)				External Marks (70%)	Total Marks
Journal Submission		Attendance	Mid Term Exam	University Exam.	100
Syllabus covered	Documentation				
5%	5%	5%	15%	70%	

Note :

For syllabus in details follow the link: <http://www.gujaratuniversity.org.in/web/WebSyllabus.asp>

For any query mail us : deptgeoqu@gmail.com

More departmental activities please visit our website: <http://geodeptgu.weebly.com>

Duration

: Two years

Course Commencement

: June

Admission Process

: By Merit

Fees

: Male student: Rs. 3690/-

Female student: Rs. 2190/- Per semester (approx.).

Course Offered at

: Department of Geography

Gujarat University, Ahmedabad - 380 009

Future career opportunity

There will always be a wide range of jobs open to well trained and motivated geographers. These can include research oriented jobs (for those who have graduated either with Bachelors or with Masters Qualifications), as well as policy oriented jobs in government.

The environmental field is wide open: the Resource Management Act has created a vast market for geographers in consultancy, regional and local government. Those who gain technical expertise in areas such as Geographic Information Systems (GIS) and remote sensing can be in heavy demand from both the public and private sectors. Other options include:

Geo-Scientist, Geological Assistant, Development analyst, Country or Rural planner, Environmental consultant, Cartographer, Recycling manager, Weather analyst, GIS analyst, Travel agent, Soil conservationist, Landscape Architect, Land Manager, tourism manager etc.

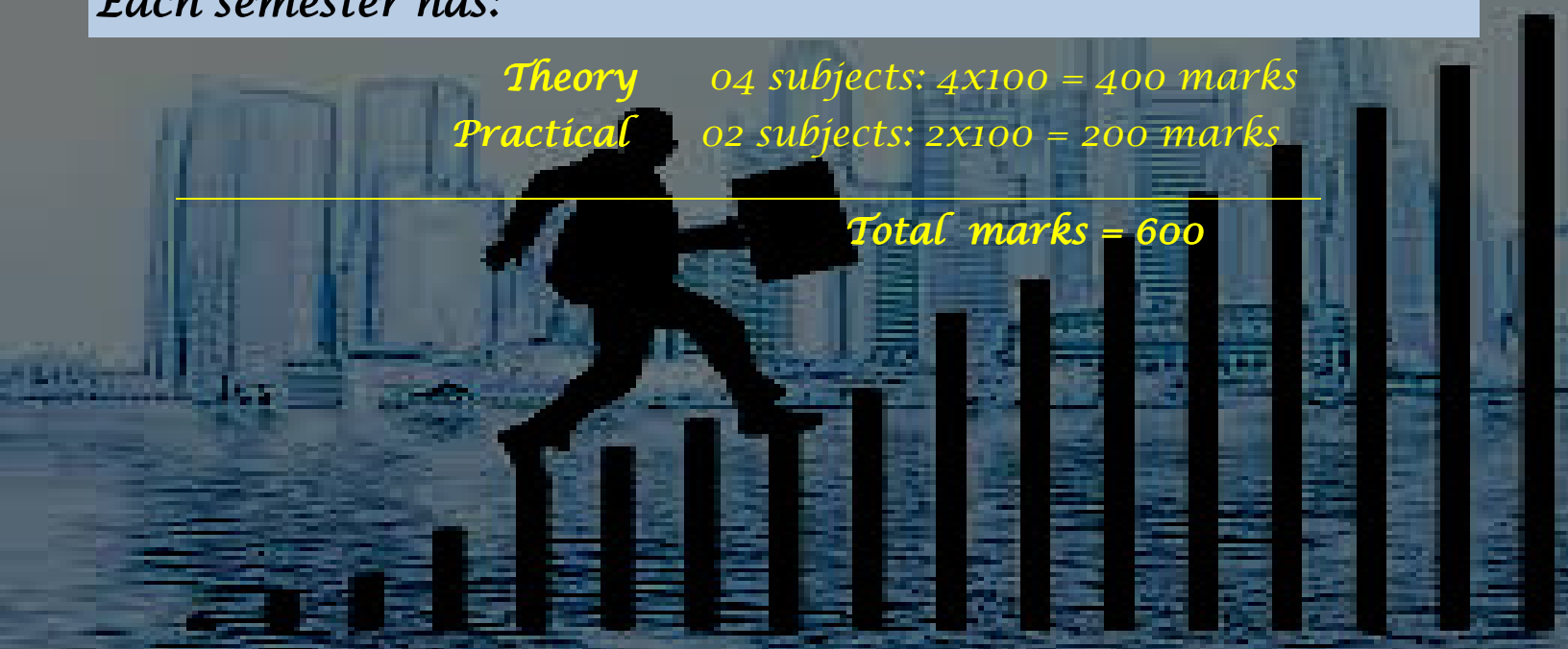
There are many organizations where a Geography student can establish his/ her career. Few among them are listed here- As Teacher (School, College & University), Indian Space Research Organization (ISRO, Govt. of India), Defense Research & Development Organization (DRDO, Ministry of Defense), State Remote Sensing Centre (Department of Science & Technology, Gov. of India), National Remote Sensing Centre (NRSC, ISRO, Hyderabad), National Thematic Mapping Organization (NATMO, Govt. of India), National Bureau of Soil Survey and Land Use Planning (NBSS & LUP, Govt. of India) etc.

Semester wise subject Marks Distribution

Each semester has:

Theory 04 subjects: $4 \times 100 = 400$ marks
Practical 02 subjects: $2 \times 100 = 200$ marks

Total marks = 600



Faculty

Name : MR. MAHESHKUMAR K. PATEL

Qualification : M.A., B.Ed.



Designation : Assistant Professor (I/C HOD)

Areas of Interest : Social geography, Physical Geography, Climatology, Population Geography..

Teaching Experience: --

Research Experience: --

Seminar Attended:

National Seminar: 03.

International Seminar : --

Research Publication:

National Journal: 03

International Journal: --

Award: NET qualified

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mkpatel0077@gmail.com

Name : MR. RAJESHKUMAR M DAMOR

Qualification : M.A., B.Ed.



Designation : Assistant Professor

Areas of Interest : Climatology.

Teaching Experience: 6 yrs

Research Experience: NA

Seminar Attended:

National Seminar: 11 (Eleven).

International Seminar : --

Research Publication:

National Journal: --

International Journal: --

Award: NET qualified

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Email id: rajeshdhgeo@gmail.com

Name : Er. Ajoy Das

Qualification : **M.Tech.** (GIS), **PGD** (Geoinformatics), **M.A.** (Geography),
Diploma (Social work & Community Services).



Designation : Cartographer

Areas of Specialization : Natural Resources Management,
Agricultural Geography, Soil Science.

Teaching Experience: 2 yrs

Research Experience: 4 yrs

Seminar & Conferences Attended:

National: 05 (Five)

International : 02 (Two)

Research Publication:

National Journal: Nil

International Journal: 02 (Two)

Award: ESRI, India scholarship, University of Redland,
California (USA)

Technical Skill :

Operating System: Windows XP, Windows 7 & Windows 8

GIS Tools : Arc GIS 10.2.1 (Arc catalog, Arc Map, Arc Scene), Arc Object10.0, Arc SDE 9.3.1, Arc Server 10.1, TNT MIPS.

Image Processing: ERDAS Imagine11.0, ILWIS3.8, Geomatica.

GPS: GPS (Trimble) with Terrasync software, GPS (GARMIN).

Languages : C++, VB6.0, VB.NET 2010, SQL, ASP.NET 2010.

Database : Oracle 11g, SQL-Server, My SQL, MS Access,
Application Framework: Silverlight 5.0, Arc GIS API

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