

DEPARTMENT OF GEOGRAPHY

FACULTY OF SCIENCE

M. Sc. in Geography

**Prospectus and Admission Guidelines
2021(onwards)**



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

VADODARA-390002, GUJARAT, INDIA



H. H. Maharaja Sayajirao Gaekwad-III

MISSION STATEMENT

**Vision and mission as perceived by
H. H. Maharaja Sayajirao Gaekwad-III**

“The progress of a nation requires that its people should be educated. Knowledge is a necessity of man.

It instills in him a desire to question and to investigate, which leads him on the path of progress. Education, in the broadest sense, must be spread everywhere.

Progress can only be achieved by the spread of education. Cooperation is necessary to achieve any worthy end and this readiness to cooperate will not be found in people

if they are not educated.

Message by the Head of the Department



Dear Students,

I take this opportunity to welcome you all to be a part of Geography. Welcome to the Department of Geography!!!!!!!

Geography is often called the “mother of all sciences” because Geography is one of the earliest known scientific disciplines. As a subject it help us appreciate the places we live in, why they matter and how they are connected to a globalized world. It draws from across the physical, cultural, economic and political spheres to address key issues for the present and the future, explored at all scales from the personal to the local and the global. Inherent in it is the ways in which varied systems interact over time, producing specific landscapes at individual places. Through Geography, we human being learn to value and care for the planet and all its inhabitants. GEOGRAPHY MATTERS!!!!

As a Head of the Department, I assure you that we maintain innovative methods of teaching and learning process to achieve learning abilities through practice, exposure and motivation. We strive hard to promote academic excellence and are committed to building an ambience for nurturing innovation and creativity.

The focus is on holistic development of the students by a combination of both curricular and extracurricular activities. We believe that to develop a tender mind we need to go beyond class room teaching. With our distinct student centered teaching-learning methodology, our students will be able to face challenges of life.

Our experienced and young faculties are the strong pillars of the department. We as a team determined to take the department to reach greater heights of success and glory and prepare for the forthcoming challenges.

The student lead activities like BHUMI FEST, Environment Awareness programme and other such activities are mentored ambitiously to develop the overall personality of the student like leadership skill, team work and socially conscious, sensitive human beings--turning a student in to a good citizen.

On behalf of the department I wish you a very educative journey, I wish all the Students and Faculty a great academic career.

PROF. BINDU BHATT

head-geography@msubaroda.ac.in

Introduction

The Department of Geography was established in the year 1952 in Faculty of Science under the leadership of Prof. V.A. Janaki, the founder head right from inception to 1978. Department runs full-fledged undergraduate in Science and Arts, Postgraduate courses in Science and Research Programmes in various disciplines of Geography. Currently there are 12 faculty members, 2 Professors, 1 Associate Professors, 1 Assistant Professor and 8 temporary faculty members.

Academic Program

UG: B.Sc. / B.A. (Honors) in Geography (120 / 80 seats) PG: M.Sc. in Geography (36 seats) : Ph.D. in Geography

B.Sc. Syllabus (144 credits) accommodates all the aspects of Geography including

Physical Geography, Human Geography, Environment and Disaster Management, Cartography, Remote Sensing, GIS and more.

M.Sc. Syllabus (100 credits) offers range of subjects and special papers including

Environmental Impact Assessment (EIA), Climate Change, Population Geography, Geomorphology, Political Geography, Geography of Health, Social Geography, Remote Sensing, Digital Image Processing, GIS and more.

Staff achievements

Awardee Name	Award Level	Award Category	Achievement Nature	Year
Bindu Bhatt	National	Research Award	Excellence in Geospatial Technology	2019
Ami Rawal	National	Research Award	Excellence in Geospatial Technology	2019

Student Achievement

Award Name	Award Level	Achievement Nature	Organising Body	Year
Prakriti Young Geographers' Club	National	National Institute of Event Management, Ahmedabad 2019	Social Contribution	2019
Sarthak Musale	University	Parade Commander - 15th August 2018	NCC	2019
Archana Meena	National	Represented University in West Zone Inter-University Hockey Tournament 2018-19	Sports	2019
Archana Meena	National	Represented and attained 3rd Position at University in West Zone Inter-University Hockey Tournament 2017-18	Sports	2019
Paumil Adhari	National	Represented University in West Zone Inter-University Hockey Tournament 2016-18	Sports	2019
Paumil Adhari	National	Represented University in Mens' Senior National Hockey Championship 2016-18	Sports	2019
Paumil Adhari	State	Gold Medal in Hockey - Khel Mahakumbh - 2016	Sports	2019
Manali Parmar	National	Represented in All India Inter University Yoga Competition - Chennai 2019	Sports	2019
Aditya Singh	University	First Prize at Science Exhibition organised by Faculty of Science	Others	2020
Vaibhav Sharma	University	First Prize at Science Exhibition organised by Faculty of Science	Others	2020
Aditya Singh	National	Second prize for poster presentation at National Symposium on Climate Change, Pollution and Harmony with Nature	Research Awards	2020
Shashikant Patel	National	First prize for poster presentation at National Symposium on Climate Change, Pollution and Harmony with Nature	Research Awards	2020

Infrastructure Facilities

The department have facilities to work on instruments like digital theodolite, digital planimeter, GPS, RS and GIS laboratory with Image Processing and GIS software, apart from conventional instruments.



REMOTE SEINSING AND GIS LABORATORY



SEMINAR ROOM

Areas of Research-

Physical Geography,- Climatology,- Environment and Ecosystem Services,-
Geomorphology and Soils

- Geospatial Technologies,- Cartography,- Land Use Change,- Economic
Development,- Health & Medical Geography,- Urban Studies,- Economic
Geography

Alumni of the Department of Geography



Mr. Akshay Patel, Assistant Professor,
Parul University, Vaghodia, Vadodara



Mr. Devarsh Pandya, Associate Account
Manager at Cognixia



Mr. Justin Aranha, Analyst, Special Projects
at NielsenIQ



Mr. Dashrath Patel, Program Coordinator
at Azim Premji Foundation



Mr. Nisarg Joshi, Quality Control
Technician at Canopy Growth Corporation



Mr. Bhimji Vaghela, GIS Analyst & Project
Co-ordinator at Facile Maven Pvt.Ltd.



Mr. Kalpesh Sudani, Founder at Trio
Planning Consultant



Mr. Rohan Rajapkar, Assistant Professor at
DES's Kirti M. Doongursee College of Arts
Science and Commerce Dadar Mumbai.



Gunin Gogoi
Technical Support Team Supervisor
(GeoAnalytics Team) at Willis Towers
Watson



Neela Bariya
GIS Analyst | Recent GIS

ADMISSION PROCEDURE

The application form is to be filled online only. A student willing to apply for more than one MSc Program should submit separate application for each and **the application form fee in such cases will have to be paid separately for each course/program.** The students who have applied and fulfill the criteria of **minimum qualifications for eligibility** can appear in the entrance examination. **A written Entrance Test will be conducted for deciding admission to each programme. The admissions will be strictly based on the merit of marks obtained in written Entrance Test.**

INTAKE CAPACITY: 36 SEATS

ELIGIBILITY CRITERIA

The admission is based on the merit of entrance test only. To appear in **entrance test**, following **eligibility criteria** is to be fulfilled:

1. A student with B. Sc. or an equivalent degree (10+2+3 pattern of education) in Geography from a university in any state or Union Territory of India or a global University/ Education Institution recognized by The Maharaja Sayajirao University of Baroda is eligible.
2. **Candidates with B.A. (Geography) are eligible for admission to M.Sc. Geography.**
3. The minimum marks/ grade points in qualifying examination shall be as follows:
 - i. **For general category candidates**
50% or equivalent grade points (considering all the three years).
 - ii. **For SC/ST candidates**
Must have passed qualifying examination.
 - iii. **For SEBC candidates**
45% or equivalent grade points for applicants from Gujarat and 50 % or equivalent grade points for applicants from other states and Union Territories in India.

4. Candidates who have **appeared for final year of the qualifying examination** may also apply and appear in the Entrance Test. However, their admission will be confirmed only on the submitting original marksheet of the qualifying examination and fulfillment of eligibility requirement, at the time of Admission.

CRITERIA FOR CASTE-WISE RESERVATION AND OTHER QUOTA

Government of Gujarat rules for the reservation quota will be applied: SC: 7%, ST: 15%, SEBC: 27%, General: 51%. All original certificates should be produced at the time of document verification and admission.

If any relevant certificate is not produced at the time of admission, the student will NOT be considered for particular reservation category.

A student, irrespective of her/his reservation category, for admission, will be first considered for GENERAL category.

- a) The **SC and ST students of other than the Gujarat state** should produce a certificate from competent authority of Government of Gujarat if their original certificate DO NOT indicate that their caste / Tribe is recognised under such category in Gujarat also.
- b) The **SEBC category** are required to produce a valid **non creamy layer certificate** from competent authority .
- c) There will be **10 %** supernumerary seat (**additional seats over and above the total number of seats**) reservation of the total seats for **Economically Weaker Sections (EWS)**. Within this 10% quota, **33%** seats shall be further sub-reserved for female students belonging to the same Economically Weaker Sections.
- d) **Reservation for physically disabled students: 5%** seats of the total seats (to be included under each different category with in the limit of total reservation under a particular reservation category like SC/ST/SEBC/GEN) are reserved for the persons with benchmark disability in accordance with the provisions of the section 32 of the rights of persons with Disabilities ACT, 2016. They should produce a **current/recent year certificate of Civil Surgeon** stating the type of disability, extent (%) of disability and state (Progressive/ non-progressive) of disability. Only those students who have **minimum 40% disability** are eligible to be considered for the reservation.

- e) **Reservation for Defence & Ex/In- Servicemen: 1%** seats of the total seats (to be included under each different category with in the limit of total reservation under a particular reservation category like SC/ST/SEBC/GEN) are reserved for wards of Defence & Ex/In-Servicemen.
- f) **Reservation for Kashmiri Migrants: 1% supernumerary seat reservation quota** (Additional seats, **NOT** included under each different category with in the limit of total reservation under a particular reservation category like SC/ST/SEBC/GEN).
- g) **Advantage to Sports Persons: Please note that the benefit to sports persons is granted ONLY if the student has participated/ awarded medals in State level or higher level competitions.**
 - i. Students who participated at State level: **3%** marks to be added to their eligibility marks
 - ii. Students who won medal at State level or participated at National level: **5%** marks to be added to their eligibility marks

Students who have won medal at National level or participated / won medal at International level: to be granted **Direct admission**.
- h) **Reservation for wards of MSU Staff: 01% supernumerary seat reservation quota** (Additional seats, **NOT** included under each different category with in the limit of total reservation under a particular reservation category like SC/ST/SEBC/GEN) **only in Regular Payment Fee Category** for the wards of the permanent or temporary employees of The Maharaja Sayajirao University of Baroda. They should produce relevant documents at the time of admission.
- i) If the **seats remain vacant** after stipulated admission rounds in the SC or ST reservation categories, then these seats can be **interchanged** among SC and ST.
- j) **After granting admission to all the students of any reserve category on respective reserve seats, if the reserved category seats remain vacant then these seats shall be transferred to General (Unreserved) category seats.**

Supernumerary seats which remain vacant shall NOT be transferred to any other category.

Admission Fees is to be paid through online mode only.

CASH/CHEQUE OR ANY OTHER MODE OF TRANSACTION NOT ACCEPTED

INSTRUCTIONS TO THE CANDIDATES

1. **The admissions will be strictly based on the merit.** Just fulfilling the eligibility criteria DOES NOT GUARANTEE admission.
2. The admission to the course is PURELY TEMPORARY and subjected to various scrutiny till the unique Permanent Registration Number (PRN) of

the candidate is generated.

3. If the information provided by the candidate is incorrect or if any unfair practice is followed or the candidate is unable to submit any of the required certificates in the stipulated time period, his/ her admission is liable to cancellation.
4. **Maintenance of Stipulated Attendance of Students (Ordinance 183)** The following shall be the minimum attendance necessary:
 - a. In a semester an overall attendance of **at least 75%** of the number of lectures delivered and tutorials, seminars etc. arranged in all subjects, provided the total attendance in each of the subjects offered is **at least 60%**.
 - b. In a semester an overall attendance of **at least 80%** of the days allotted for practical classes and laboratory work in each subject.
5. General rules governing the conduct of students in the university:
 - i. A student must do nothing either inside or outside the University that will interfere with its orderly working and discipline.
 - ii. This comprehensive rule covers most cases that are likely to arise. It forbids:
 - a. Impolite or unseemly behaviour in classroom or University premises during working hours of the College and the Faculty.
 - b. Attempt to persuade other students to abstain themselves from regular classes.
 - c. Damage to or defacement of University furniture, fittings and property.
 - d. Disobedience of notifications or instructions issued by the Principals/Deans/Heads of the Departments and Members of the staff duly authorized.
 - iii. As per UGC regulation, stipulated attendance (Ordinance 183) is required for permitting students to appear for final examination. If unavoidably absent on account of health, urgent private affairs or other reasons, they must be prepared to state the exact reason for absence.
 - iv. Students are expected to behave with courtesy towards the members of the staff, their fellow students and all visitors to the Institution.
 - v. Sexual harassment will lead to severe punishments like suspension, rustication from the University / College/ Institution. Disciplinary action is as prescribed under The M. S. University of Baroda rules.
 - vi. Ragging is prohibited on MSU Campus, ragging is a criminal offence and

is liable to severe punishment, including suspension, rustication and imprisonment.

vii. **Compulsory Thalassemia Blood Screening:** Thalassemia blood testing is made compulsory by Government of Gujarat. Final Eligibility of any student for admission to any course to this University will be granted ONLY after she/ he submits report of the Thalassemia blood screening. Students are encouraged to get the test done and submit the report at the time of Admission. Those students who already have a Thalassemia Test Report done earlier, need not get it done again. They can submit copy of earlier report.

GRADE POINT SYSTEM

- A system comprising of 7 grade points (4 to 10) will be followed for evaluating a candidate in every course. Both mid-semester and end-semester exams are counted for final grade points.

Grade Points	Description	Percentage of Marks	Division/Grade	Range
10	Outstanding	90% - 99%	First / O	Above 9.01
9	Excellent	80% - 89%	First / A	8.01 – 9.00
8	Very Good	70% - 79%	First / B	7.01 – 8.00
7	Good	60% - 69%	First / C	6.01 – 7.00
6	Fair	50% - 59%	Second /D	5.01 – 6.00
5	Average	40% - 49%	Pass / E	4.01 – 5.00
4 – 0	Dropped	Below 40%	F	Below 4.00

CGPA	Class
CGPA < 4	Fail
4 = CGPA < 5	Pass Class
5 = CGPA < 6	2nd Class
6 = CGPA < 7	1st Class
CGPA ≥ 7	Distinction

Grade Point Average = $\sum (\text{Credit} \times \text{Grade Point}) / \text{Total Credits}$

AWARD OF CLASS

Marks-sheets of semester I to III of M. Sc. will simply indicate result as either Pass or Fail or ATKT but not the class which will be indicated in the last Semester mark sheet.

Cumulative Grade Point Average (CGPA) is computed as:

CGPA = $\sum (\text{Semester credits} \times \text{GPA}) / \text{Total Semester Credits}$

The sum is taken over from Sem-I to Sem-IV for M. Sc.

CRITERION FOR M.Sc. DEGREE AWARD

For obtaining M.Sc. degree in any subject, a candidate has to earn minimum 100 credits in all during the programme.

Website: www.msubaroda.ac.in

The M. S. University of Baroda Admission Portal:
admission@msubaroda.ac.in

The information contained herein is for general guidelines only.

For further information contact Faculty Administration:

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Dean, Faculty of Science
E-mail: dean-science@msubaroda.ac.in

Dr. R N Jadeja: Dean of Students
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Ms. Shilpa Gupta: Dean of Sports
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E-mail: ts-science@msubaroda.ac.in

Dr. M N Srinivas: Coordinator, Sir C V Raman Block
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Office Superintendent: Mr. K M Damor
Ph: 0265 2795329 (office)
Mob: 8141332160 (during office hours only)



“The full-blown lotus growing out of the lake symbolises the emergence of the mind and its triumph over matter. The flame rising from the center of the lotus is the flame of the human knowledge, spreading light and learning for the coming generations. The motto inscribed below the lotus defines the purpose and existence of life which is love of beauty, goodness and intellectual curiosity.”

महाराजा सयाजीराव विश्वविद्यालय गीत

अमे वडोदराना विद्यापीठना सपना सारवनारा
अमे ज्योत जलावी सृष्टी नवली सहसा सर्जनहारा.

अमे गगमकुसुम कर धरनारा
अमे मगन मगन थई फरनारा
अगन बाथ अमे भरनारा
अमे दैन्यतिमिरने हरनारा.

श्री सयाजी विद्यापीठना ज्ञानदीपने धरनारा
सत्यं शिवं सुन्दरम् नो मंत्र अनंतर भणनारा.

श्री सयाजी विद्यापीठना