



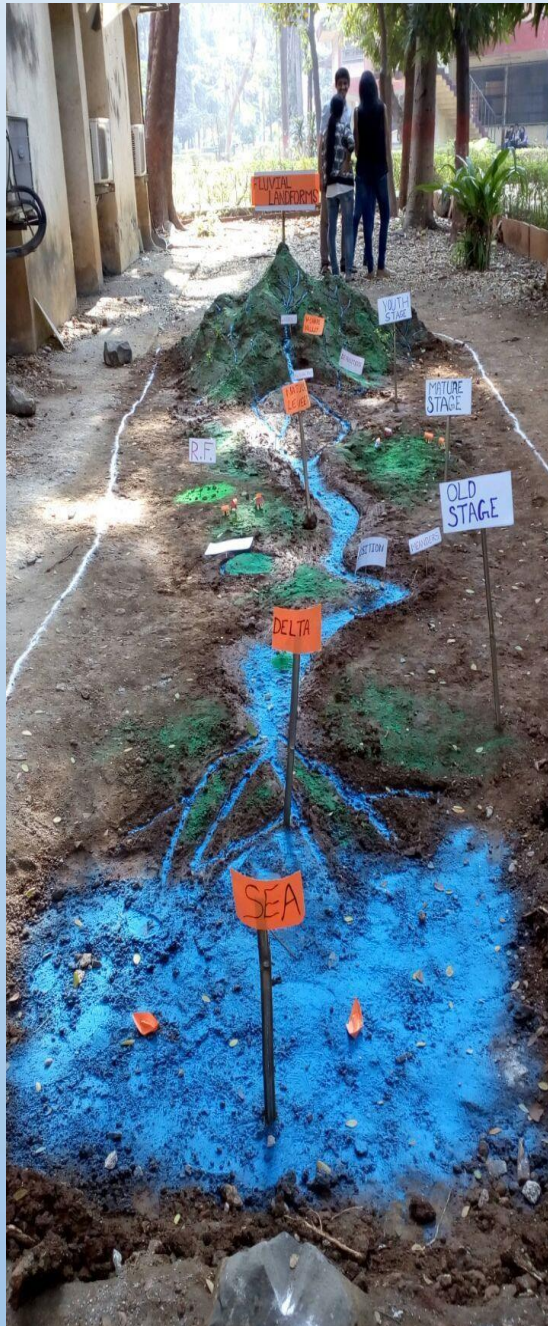
INFORMATION BROCHURE

DEPARTMENT OF
GEOGRAPHY

UNIVERSITY OF
MUMBAI

PROGRAMME

M.A. / M.Sc. IN
GEOGRAPHY



1. The Department of Geography

The Department of Geography, University of Mumbai, established in the year 1969, offers postgraduate courses leading to the Degrees of Master of Arts (M.A.) and Master of Science (M.Sc.) by papers awarded by the University of Mumbai. In addition to the master's programme, M.Phil and PhD degree programmes are also conducted by the Department. The Department's experienced faculty is devoted to research in their specialized fields and gives equal importance to teaching and learning. The faculty give research and teaching equal importance to enrich the students and impart knowledge to develop critical understanding in various aspects of geography. Extra care is taken to pay individual attention to the students in their laboratory work and lecture sessions. Project work and problem sessions are encouraged to develop an innovative and analytical approach towards learning. Topical seminars by experts from research institutes, planning authorities are organised to create research awareness amongst students. Experts in different allied fields are also invited for interaction and curriculum development whenever necessary.

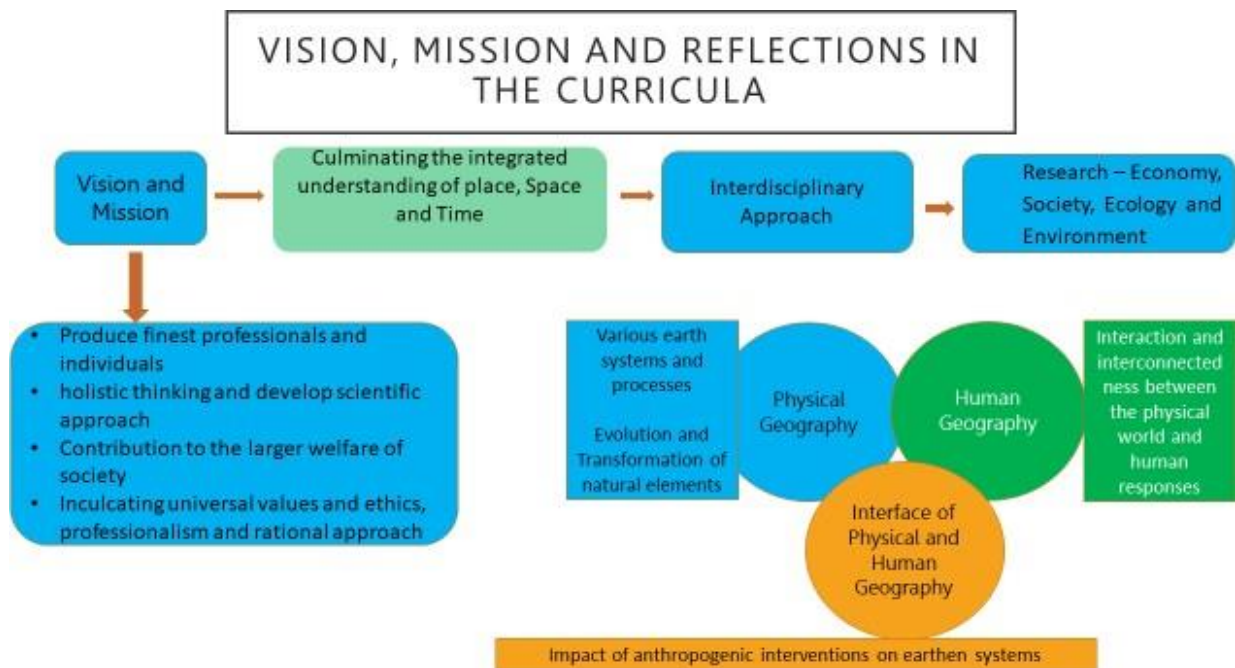
The Department of Geography is one of the prime centres of teaching Geography at the postgraduate level in the University of Mumbai. The Department also allows registration of candidates for PhD with recognised teachers, teaching in affiliated colleges. PhD degree in Environmental Science is also offered. The University of Mumbai finances the Department to create and maintain infrastructural facilities for its various teaching and research programmes. Additional finance required for research work is sought by individual faculty members from various national funding agencies such as the UGC, DST, ICSSR, CSIR and DOE. In addition, it has a close interaction with academicians and experts from the other research organisations of the city.

2. Vision and Mission:



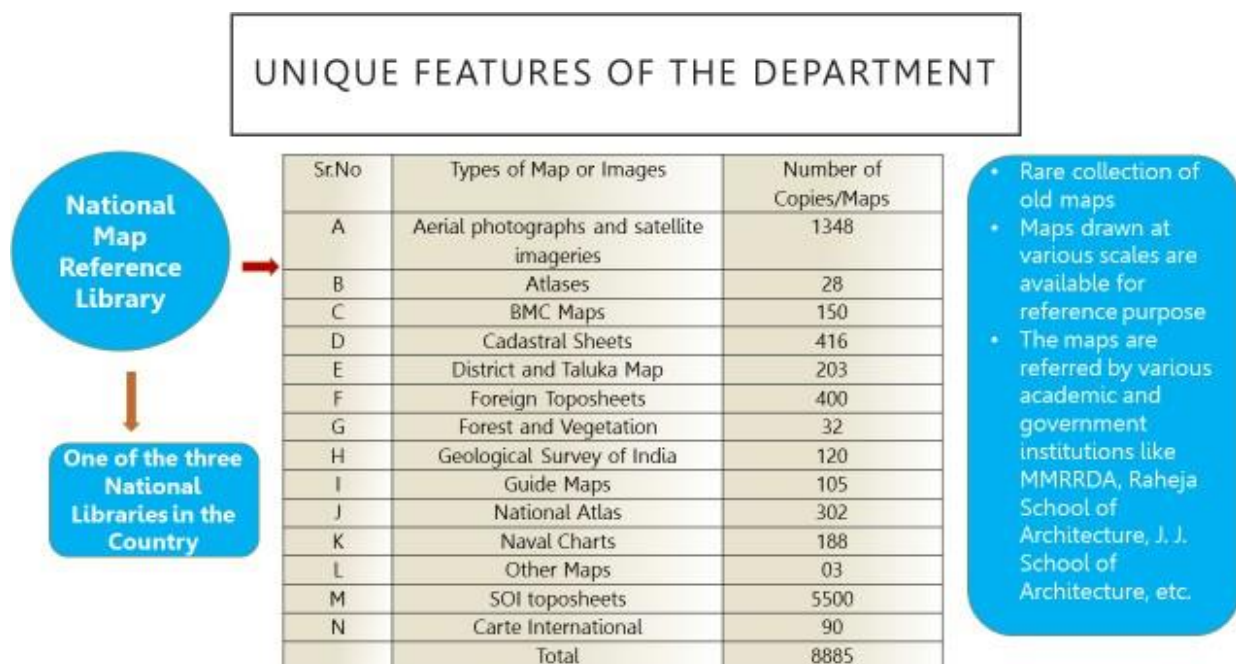
The Departmental faculties are committed to quality, inclusive and focused education through integrated research on physical and human aspects of life. Imparting an integrated understanding of economy, society, politics, ecology and environment holistically is the Department's mission. Geo-informatics and advanced quantitative techniques are run for the same sensitization and skill/capacity building through technical and applied for courses on

Remote sensing. Furthermore, the Department is aimed at nurturing the finest professionals and individuals through various academic, extra and co-curricular activities.



3. Unique Features of the Department:

The Department of Geography has National Map Reference Library. In addition, it has a wide range of collection of SOI Toposheets, Aerial photographs, Satellite Imageries, National Atlases, Naval.

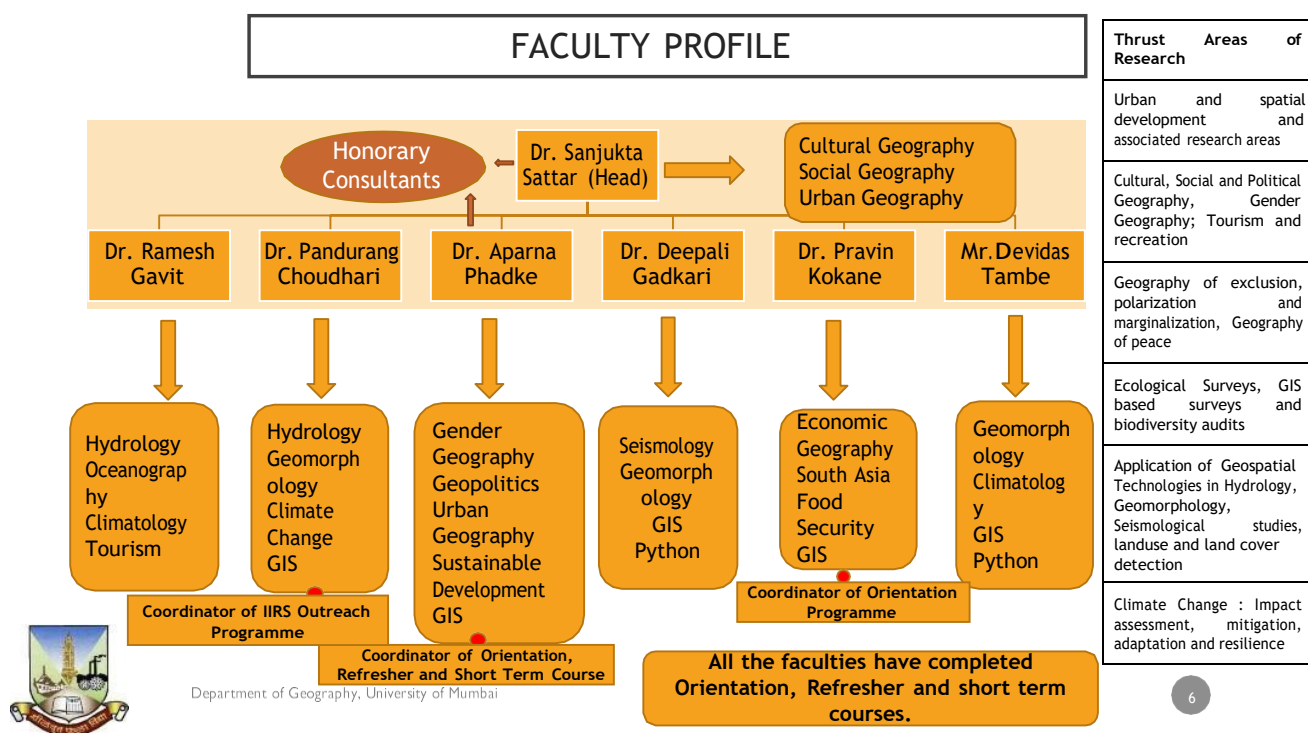


4. Legacy

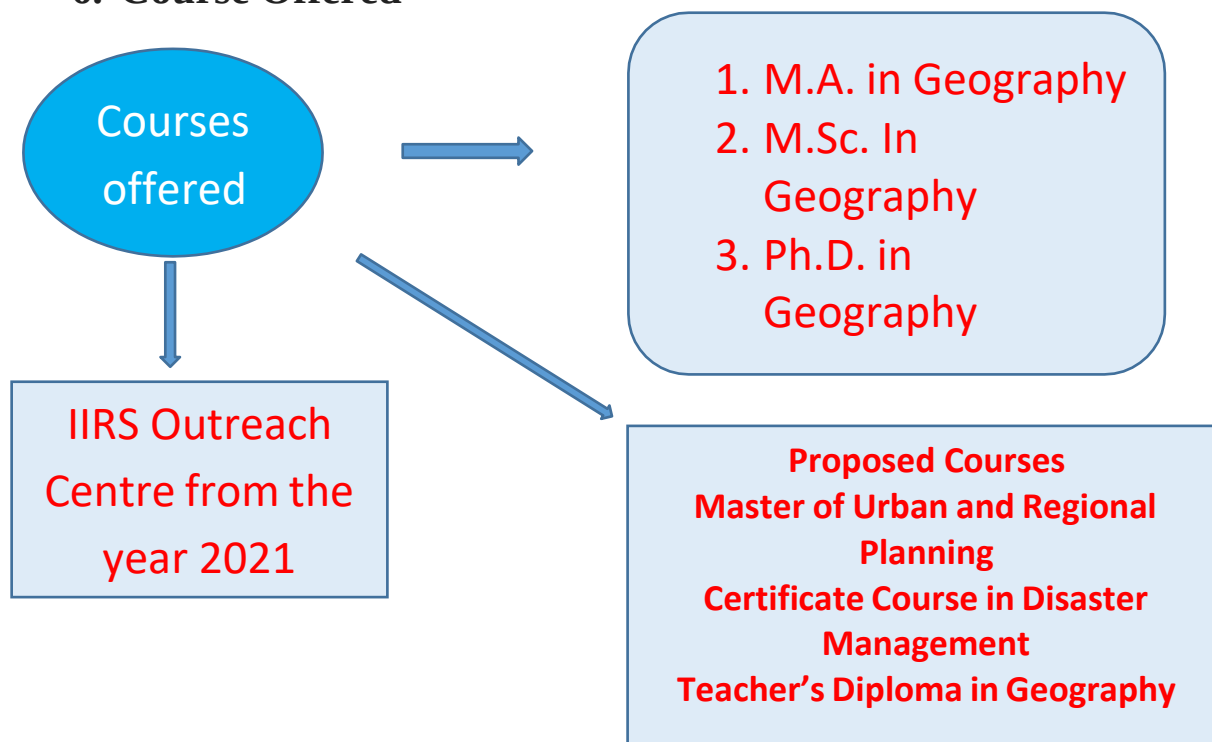
The renowned geographers like Prof. C. D. Deshpande and Principal C. B. Joshi were the Department's founding members. Prof C B Joshi was the founder principal of erstwhile Parle College, now named Sathaye College. With the assistance of Prof B Arunachalam, he established the undergraduate and postgraduate Department of Geography in the year 1960. Thus, it was the pioneering Department of Geography for undergraduate, postgraduate and doctoral degrees in Geography. The same initiative subsequently led to the establishment of the post-graduation Department of Geography in University of Mumbai in the Vidyanagari Campus under the able leadership of Prof. C. D. Deshpande. After that, the Department flourished under the stalwarts in Geography like Prof. Arunachalam, Prof. K Sita, Prof. V. S. Phadke, Prof. Swapna Banerjee-Guha, Prof. Vijay Rao, Prof. Ambadas Jadhav, Prof. Ebenezer, Prof. Sudha Srivastava, Prof. Smita Gandhi, Prof. Geeta Kewalramani, Prof. Bhimrao Sonule, Prof. Dipti Mukherji and Prof. Savitsmita Chawan.

5. Present Status of the Department

Currently, the Department is flourishing under the able leadership of Dr. Sanjukta Sattar. The Department has turned younger with the joining of young faculties. Dr. Deepali Gadkari, Dr. Aparna Phadke, Dr. Pandurang Choudhari, Dr. Pravin Konkane, Dr. Ramesh Gavit, Mr. Devidas Tambe are the younger faculties who are the torchbearers and take efforts to continue the glory. The young Department is supported by the non-teaching staff members and technical staff members. Mrs. Asmita Aapte, Mrs. Supriya Savali, Mr. Satyvan Parab, Mr. Anand Tetgure, Mr. Santosh Kamable and Mr. Hemant Salavi.



6. Course Offered



7. MA/MSc. Semester wise Syllabus

Semester I: Core Courses from Parent Department (Four Courses)

Subject Code (326)	Course Title	Credits	No. of Hours
101	Principles of Geomorphology	4+2*= 6	60+60= 120
102	Principles of Climatology	4+2*= 6	60+60= 120
103	Perspectives in Human Geography	4+2*= 6	60+60= 120
104	Spatial Organisation of Economic Activities	4+2*= 6	60+60= 120
105	*Practical components based on 101 and 102 Tools and Techniques of Spatial Analysis - I	*	60+60= 120
106	*Practical components based on 103 and 104 Tools and Techniques of Spatial Analysis- II	*	60+60= 120
Total		24	720

Semester II: Core Courses from Parent Department (Four Courses)

Subject Code	Course Title	Credits	No. of Hours
201	Oceanography and Hydrology	4+2*= 6	60+60= 120
202	Geoinformatics	4+2*= 6	60+60= 120
203	Socio-cultural and Political Geography	4+2*= 6	60+60= 120
204	Urban Geography	4+2*= 6	60+60= 120

205	*Practical components based on 201 and 202 Tools and Techniques of Spatial Analysis - III	*	60+60= 120
206	*Practical components based on 203 and 204 Tools and Techniques of Spatial Analysis- IV	*	60+60= 120
Total		24	720

Note: Theory papers and practical components for core and elective papers will be examined by external and internal examiners.

Semester III

Subject Code	Course Title	Credits	No. of Hours
301	Research Methodology in Geography	6	60+60= 120
302 A-Physical Group select any one paper	1. Tropical Geomorphology 2. Fluvial Geomorphology 3. Introduction to Hydrology 4. Climatology of Tropics 5. Geography of Climate change with special reference to India 6. Theoretical and Applied Geomorphology	6	60+60=120
303 B Human Group select any one paper	1. Geography of South Asia with Special Reference to India 2. Population Geography 3. Geography of Transport 4. Geography of Trade 5. Geography of Services with Special reference to India 6. Geography of Tourism and Recreation 7. Geography and Crime 8. Gender Geography 9. Geography of Tribes with Special reference to India 10. Industrial Geography 11. Geopolitics and International Relations	6	60+60= 120
304	Tools and Techniques of Spatial Analysis V	6	120
305	Tools and Techniques of Spatial Analysis-VI	6	120
Total		30	720

Semester IV

Subject Code	Course Title	Credits	No. of Hours
401:A	Compulsory Skill/ Enhancement Based Paper (any one) 1. Digital Image Processing 2. Thematic Cartography 3. Application of Remote Sensing Techniques in Geographical Studies 4. Advanced Quantitative Techniques in Geography 5. Introduction to Programming Using Python 6. Geoinformatics for Urban and Regional Planning 7. Computer Cartography 8. Geographical Information System and Geographic Knowledge System 9. Geoinformatics and Health Care 10. Geospatial Technologies and Management	6	60+60 = 120
402: B	Interdisciplinary/Cross-disciplinary paper (any one) 1. Coastal Geomorphology 2. Micro-climatology 3. Geographical Perspective in Ocean Development 4. Geography of Water Resource Management 5. Geography of Soils with special reference to Tropics 6. Plant Geography with special reference to Tropics 7. Ecology and Environment 8. Spatial Perspectives in Environmental Planning and Management. 9. Maritime Studies with special reference to India 10. Geography of Contemporary Agricultural with special reference to India 11. Regional Planning and Development 12. Social Geography 13. Cultural Geography 14. Historical geography 15. Geography of Exclusion 16. Geography of Work Spaces 17. Geography of Media and Communications 18. Electoral Geography with special reference to India 19. Geography of Resources 20. Geography of Energy Resources 21. Geography of Hazards and Disaster Management 22. Globalizing Megacities with special reference to MMR 23. Geography of Knowledge and Power 24. Geography of Marketing and Consumption	6	60+60 = 120
403	Dissertation	10	
Group III	(Data -based study on any branch of Geography)		100+100 = 200
Total		22	

8. Academic Infrastructure

Laboratory

Departmental laboratories are well equipped to carry out experimental work in various branches. The Department has over 9000 topographical maps and a sizeable collection of aerial photographs and satellite imageries that are used in both teaching and research. The collection is being enhanced every year by adding the latest products available in the market to keep the students abreast with modern developments.

The Department has a well-equipped cartographic laboratory with all the equipment required to scan maps digitally like a digitizer and a scanner. The Department has built up a computer laboratory with 24 modern desktops. The Department has soil laboratory. Equipment such as sensitive balance, oven etc., have been purchased for the purpose. Researchers from institutes like IIT, TISS, IIPS, Post-graduate Departments of Geology at St. Xavier's and Somaiya Colleges, College of Architecture approach the Department for their requirements related to maps.

Table: Infrastructural Facilities at Department

Sr. No.	Item	No.	Sr. No.	Item	No
1.	Computer	47	11.	Soil Analysis Instruments	1
2.	Lap Top	6	12.	Soil Laboratory Instruments	2
3.	Printers/Copier/Scanner	15	13.	Noise pollution measuring instrument	1
4.	Printer	1	14.	Software	1
5.	Scanner	1	15.	Hard disc	1
6.	UPS	3	16.	Camera	1
7.	Server	1	17.	Mike system	2
8.	Projector	8	18.	Electronic Notebook	1
9.	Screen	7	19.	CDs/Pen drives	2
10.	Surveying Instruments – GPS (handheld)	2			

9. Extra-curricular, Co-curricular and Extension Activities

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES TO ENHANCE LEARNING, LEADERSHIP QUALITIES, PROFESSIONAL DEVELOPMENT

Co-curricular Activities

- Guest lectures by eminent scholars recognized at national, international levels
- National, state and university level conferences, Seminars and workshops
- Exhibitions and displays
- Organisation of memorial lectures
 1. C. D. Deshpande Memorial Lecture Series
 2. C. B. Joshi Memorial Lecture Series
 3. Smt. Shantidevi Banerjee Presentation Competition for M.A. Students
- **GEOMUMBA** intercollegiate Quiz cum competition for undergraduate students belonging to Geography, EVS.

- Participation in the Exhibition of 'Rocks, fossils and Minerals organized by Extramural Studies Department
- **Swachha Bharat, Blood Donations, Tree Plantation, Traffic Management, Clean Campus movements through NSS**
- 2015 and 2016, the students were invited for a open discussion titled as "Badalata Maharashtra" by *Loksatta* newspaper.
- **Collaboration with other departments** in the organization of various activities like a) a **lecture** by renowned social worker **Dr. Vikas Amate** on '**Anandvan**' b) **clean campus initiative** on 15th August and **tree plantation and conservation** c) A **Discussion on 'Communal Problems'** with Lokraj Sanghatan d) Various movements like collection of study material, cloths, etc. for the needy children e) Associated with Pani Panchayat

EXTENSION ACTIVITY - OUR COMMITMENTS TOWARDS THE GREEN UNIVERSITY CAMPUS

- * Biodiversity Audit has been conducted in association with the Department of Life Sciences and PG NSS Unit B60 in the year 2021 as a part of National Science Day Celebration, 2021.



- 137 species of trees with total number of trees 5,357 with bark more than 10 cm circumference
- 64 birds spotted in the campus
- More than 10 varieties of frogs, reptiles and ants.
- Home for migratory birds
- Vital in providing shelter for nesting



QR CODE for each tree

Place	: Mumbai University
Tree Number	: 1
Botanical name	: <i>Tabebuia rosea</i>
(Berol.) Bertero ex A. DC.	
Common name	: Rosy trumpet tree
Flowering & Fruiting	: January - August
Family	: Bignoniaceae
IUCN status	: Least Concern

Large deciduous tree with a rounded or spreading crown. Leaves are compound, digitate and deciduous. Each leaf has five leaflets of variable size, the middle one being the largest. Flowers are large, in various tones of pink to purple, and appear while the tree has none, or very few, leaves.

Miscellaneous

Native of Tropical America. It is one of the most important timber species in Central America, and is widely harvested for a range of purposes. Timber is used for construction, furniture and cabinet work. It is used as a shade tree in coffee plantations.

10. Geography Alumni Association

GAA was rejuvenated in the year 2016 under the guidance of Prof. Ambadas Jadhav. The objective of this association was to offer a collaborative platform for the current students, alumni, industry and academia. The group has been immensely active in the circulation of geographical information, mobilising resources for the current students, circulating information regarding

employment opportunities and discussing updating the syllabus according to the professional skills needed. The Department has noted alumni from various walks of professional life.

GEOGRAPHY ALUMNI ASSOCIATION- GAA

- Geography Alumni Association was formulated in 2002.
- In the year 2016, it was rejuvenated and has been active since then.
- Regular alumni meets are organised.
- GAA is also emerging as a strong support to various academic and other activities conducted by the department.
- GAA recently organized a 10 day webinar titled as NET / SET Guidance lecture series for the students preparing for NET /SET and competitive exams. All the guest lectures were alumni and guided students on relevant topics from 11th May to 24th May, 2020.
- GAA has also been instrumental in circulating the information about various employment opportunities to students.
- In every GEOMUMBA event the alumni are invited for career guidance lectures. At present there are more than 250 members of GAA.



11. Placement Opportunities

The Department is well connected with the employers in industry as well as academia. Our students get placed in reputed institutions. Some of the employers are

Name of the Reputed Employers

S2 Infotech International limited, Mumbai

Indian forest Survey, Dehradun

TomTom, Pune 020- 41002000

Maharashtra Remote sensing & Space Application center

Genesys International corporation Limited, Mumbai

D. G. Ruparel College, Matunga

Government College, Quepem, Goa

Cunolim Educational society's college of arts and commerce, Goa.

Birla college Arts, commerce and science, Mumbai

Sathaye college of Arts, commerce and Science, Mumbai

K.G. Joshi and N.G. Bedekar College of Arts and Commerce, Thane

Shreemati Chandibhai Himmatlal Mansukhani College of Art, Commerce and Science, Ulhasnagar

Veena's World Tours and Travel, Mumbai

Tata Institute of Social Sciences, Mumbai

12. Fee Structure

The Annual fees for the General Category Candidates:

1. Students from University of Mumbai: 11700 Rs.
2. Students from other Universities in Maharashtra and the Other States: 12100 Rs.
(Eligibility processing fee 400/-)

For the Students from Reserved Category:

1. Students from University of Mumbai : 1670 Rs.
2. Students from other Universities in Maharashtra: 2070 Rs. (Eligibility processing fee 400/-)

13. Scholarships

The Department encourages students to apply for various scholarship schemes offered by the Government of India, Government of Maharashtra and University of Mumbai.

The scholarships available are

1. Government of India – Post-matriculation Scholarship
2. Government of India – Post-matriculation free ship
3. The University of Mumbai - Merit Scholarship
4. The University of Mumbai – Student's Development Department scholarships
5. Government of Maharashtra - Shahu Maharaj Scholarship
6. Government of Maharashtra Scholarships, and Freeship for Reserved category candidates

Apart from the above scholarships there are several other scholarships available, like the Maulana Azad Scholarship for girls.

14. Eligibility Criteria

For the degree of M.A. in Geography, students having 3 and 6 papers in Geography in the third year of their bachelor's degree are eligible to get admission for M.A.

For the degree of M.Sc. in Geography, students having 3 and / or 6 papers in Geography at third year of their bachelor's degree are eligible to get admission for M.Sc.

Students graduating from other disciplines and aspiring to join Masters in Geography are expected to appear for the **entrance examination**. The entrance examination is conducted every year in July.

15. Application Procedure

Since last year, the online admission procedure is followed by the University of Mumbai.

The link for the online application is <https://uom-admissions.mu.ac.in/> (Parivartan Portal of University of Mumbai).

Students from the University of Mumbai are requested to use their PRN number, i.e. 16 digit number assigned to them (available on their mark sheets) to fill the online application form.

Students from other universities are requested to create their profile by choosing the option new registration. In addition, the students are requested to communicate with the office on the email id given below officegeographydept@gmail.com for any official work.

16. Admission Contact Details

1. Dr. Aparna Phadke (In-charge Admission Committee)
Email ID- aparna.phadke@geography.mu.ac.in
Mobile No. 9850140172
2. Dr. P P Choudhari
Email ID- choudharipp79@gmail.com
Mobile No. 8275308024
3. Dr. Pravin Kokane
Email ID- pravin.kokane@geography.mu.ac.in
Mobile No. 9767032930
4. Mrs. Supriya Salvi (Office Staff)
Email ID - officegeographydept@gmail.com

M.A. and MSc. courses offered by the Department of Geography, University of Mumbai, are conducted as regular courses. **We do not offer any courses in distance mode of learning. Students are requested to kindly take not of it. We are committed to produce finest professionals and personalities through rigorous training in Geography.**