



**GUJARAT  
BIOTECHNOLOGY  
UNIVERSITY**



In partnership with  
**THE UNIVERSITY  
of EDINBURGH**

# Admissions 2026 M.Sc. Biotechnology



**M.Sc.**

**Biotechnology**



**GUJARAT  
BIOTECHNOLOGY  
UNIVERSITY**



In partnership with

**THE UNIVERSITY  
of EDINBURGH**

**Where Gujarat's Biotech Future  
is being written.**

**"India's first dedicated biotechnology university — backed by  
the Government of Gujarat and the University of Edinburgh, UK."**



**INDIA'S FIRST  
DEDICATED  
BIOTECHNOLOGY  
UNIVERSITY**

**BUILDING THE  
NEXT  
GENERATION OF  
BIOTECH  
INNOVATORS**

**LEARNING.  
DISCOVERY.  
INNOVATION.  
IMPACT.**

## About GBU

Gujarat Biotechnology University (GBU) is a state funded public university, located near GIFT CITY Gandhinagar, Gujarat, India. GBU is established through the Gujarat Act 16 of 2018 by the Department of Science & Technology (DST), Government of Gujarat. GBU is India's first Biotechnology University, offering M.Sc. and Ph.D. programs.

GBU has a collaboration with the University of Edinburgh (UoE), United Kingdom, to ensure global standards of education and deliver innovative curricula, research based learning, and industry engagement.

## 6 Reasons that set us apart



### Research at the University of Edinburgh, UK

25 M.Sc. students are funded by DST, Govt. of Gujarat to conduct their dissertation at UoE annually.

25 students / year



### ₹10,000 per month for every student

₹5,000 academic stipend + ₹5,000 accommodation support — every enrolled M.Sc. student, every month.

₹10,000 / month



### India's first dedicated biotechnology university

Not a department. Not a college. A full university — established under Gujarat Act 16 of 2018 by DST, Govt. of Gujarat.

Est. 2018



### Located at GIFT City — Gujarat's innovation hub

India's first operational smart city and IFSC. Your university sits at the centre of Gujarat's economic and scientific future.

Gandhinagar, Gujarat



### Cutting-edge research infrastructure

3D bioprinter, DNA sequencer, HPLC, LC-MS, confocal microscopy, high-end FACS — 50+ instruments across all specialisations.

50+ instruments



### 100% Government of Gujarat funded

A public university with transparent fees, government scholarships, and full reservation benefits — completely accountable to you.

DST · GoG · Gujarat Act 16

# PROGRAMMES & SPECIALISATIONS

Explore research-driven postgraduate programmes designed to prepare future biotechnology leaders.

## MASTER OF SCIENCE (M.SC.) BIOTECHNOLOGY

2 years • 4 semesters



### ANIMAL BIOTECHNOLOGY

Animal genomics  
Transgenics  
Reproductive biotechnology



### ENVIRONMENTAL BIOTECHNOLOGY

Bioremediation  
Waste management  
Environmental genomics



### INDUSTRIAL BIOTECHNOLOGY

Fermentation  
Enzyme technology  
Bioprocessing



### MEDICAL BIOTECHNOLOGY

Drug delivery  
Diagnostics  
Tissue engineering



### PLANT BIOTECHNOLOGY

Plant genomics  
Tissue culture  
Agri-biotechnology



### MARINE BIOTECHNOLOGY

Marine bioresource  
Marine bioprospecting  
Marine nutraceuticals  
Functional Biomaterials  
Marine pollution



### COMPUTATIONAL BIOTECHNOLOGY

AI/ML in biology  
Multi-OMICS  
NGS Big-data Analytics  
Drug discovery



### Ph.D. in BIOTECHNOLOGY

- Duration 3-5 years
- Full-Time Research
- Supervisor-Lead
- DBT/DST fellowship eligible



## DOCTORAL RESEARCH PROGRAM

### Ph.D. in Biotechnology

Advance scientific discovery through independent research, innovation, and interdisciplinary collaboration under the guidance of leading faculty and research mentors.



Supervisor-Led Research



Industry Co-Supervision



DBT / DST Fellowship Eligible



Interdisciplinary Research

# THE GBU CURRICULUM



GBU has developed a bespoke curriculum in collaboration with the University of Edinburgh, justifying current discipline-wise foundational needs and the future scope of biotechnology.

## M.Sc. BIOTECHNOLOGY CURRICULUM ROADMAP

### SEMESTER 1



#### FOUNDATION BUILDING

- Foundation Sciences
- Core Biotechnology
- Laboratory Methods
- Critical Thinking Modules

### SEMESTER 2



#### SPECIALISATION & EXPOSURE

- Specialisation Track Begins
- Elective Modules
- Research Methodology
- Industry Interface

### SEMESTER 3



#### EDINBURGH EXPERIENCE

- Research Dissertation at University of Edinburgh, UK
- Funded by DST, GoG for 25 selected students
- Remaining students complete dissertation at GBU

GLOBAL IMMERSION

### SEMESTER 4



#### CAPSTONE & COMPLETION

- Dissertation Write-up
- Viva Voce
- Industry Project / Thesis
- Graduation



#### REAL-WORLD APPLICATION

Empower learning through real-world problem solving and personal growth beyond course content.

01



#### CRITICAL THINKING

Engage and challenge students to gain deeper, first-hand knowledge and become proactive contributors.

02



#### INNOVATION & ENTREPRENEURSHIP

Focus on enabling solutions, products, and entrepreneurial mindset alongside academic knowledge.

03

“GBU aims to be among the Top R&d-focused institutions in the world.”

# GBU-UoE Collaboration



**GUJARAT  
BIOTECHNOLOGY  
UNIVERSITY**



In partnership with  
**THE UNIVERSITY  
of EDINBURGH**

Over a span of 10 years of collaboration



**CURRICULUM  
DESIGN**

7 MSc  
Programs



**LEADERSHIP  
FACULTY**

2fte in 0-3yr,  
1.5fte in 4-5yr,  
1fte 6 onwards



**VISITING  
FACULTY**

12 Visiting  
Faculty/ year



**FACULTY  
TRAINING**

35 GBU  
Faculties



**STUDENT  
TRAINING**

25 GBU  
Students/year



**GOVERNANCE  
& QA**

UoE Culture  
for 10 years

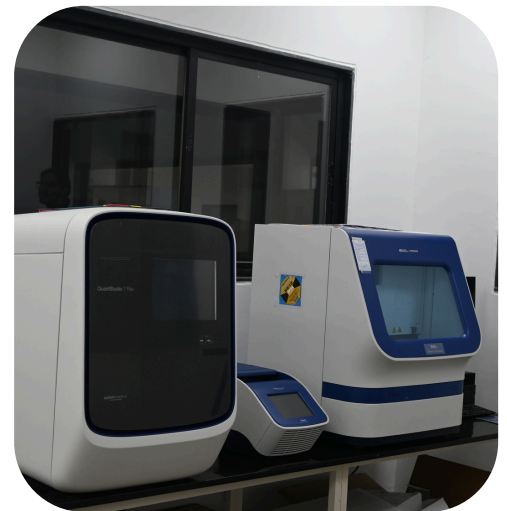
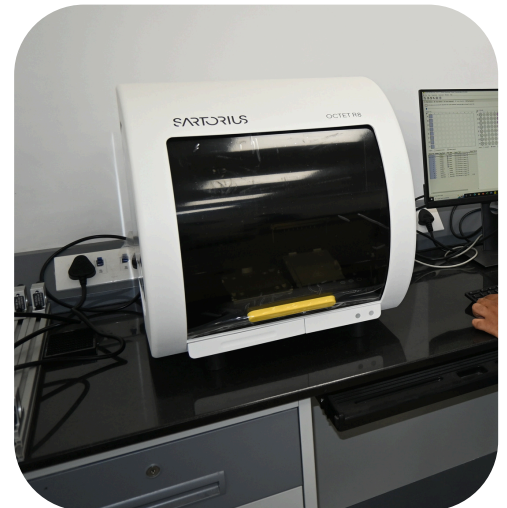
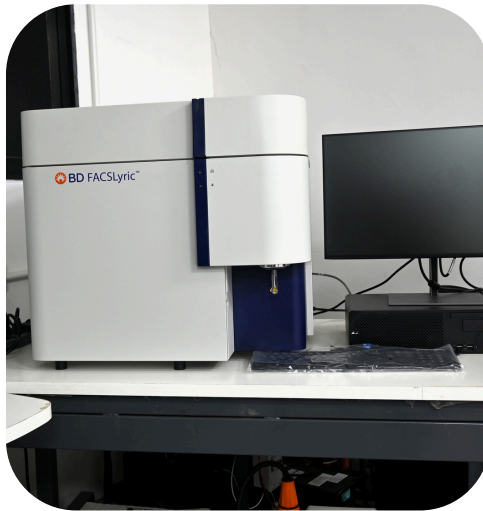
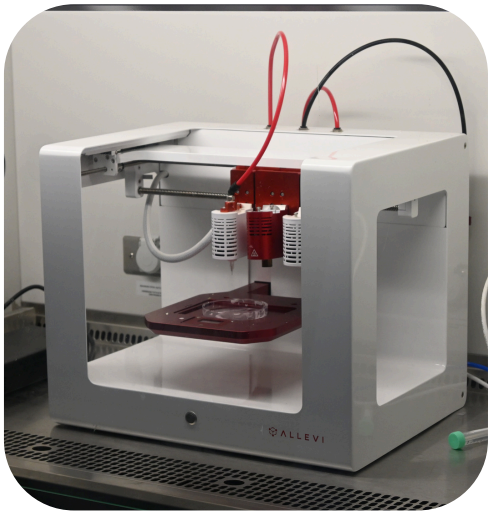
Gujarat Biotechnology University (GBU) has established a collaboration with the University of Edinburgh (UoE), United Kingdom, aimed at delivering global standards of education through an innovative, active learning-based curriculum, robust academic policies, and strong industrial engagement.

The University of Edinburgh (UoE) provides guidance on academic policies, infrastructure, facilities, and services, ensuring operational excellence in both teaching and research. Experienced faculty members from UoE visit GBU annually to enhance the curriculum and foster meaningful collaborations in research and teaching.

As part of this partnership, 25 M.Sc. students from GBU are funded each year by the Department of Science and Technology (DST), Government of Gujarat, to undertake research projects at the University of Edinburgh, U.K., as part of their M.Sc. dissertation.



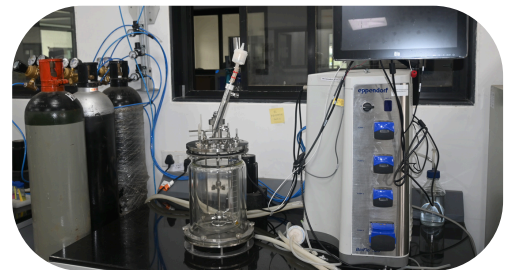
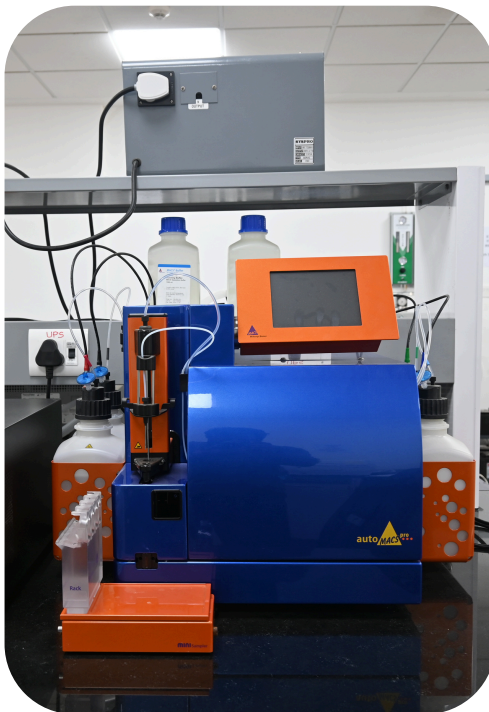
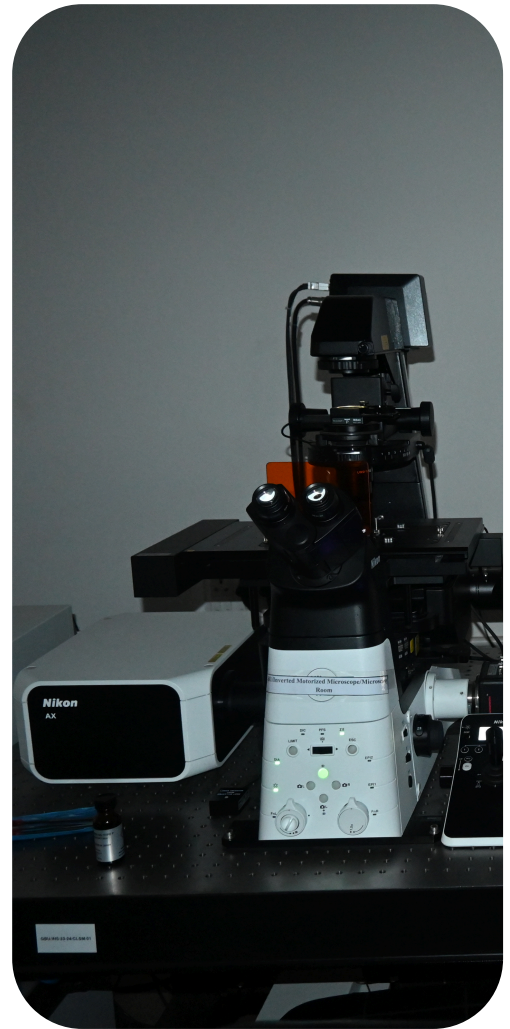
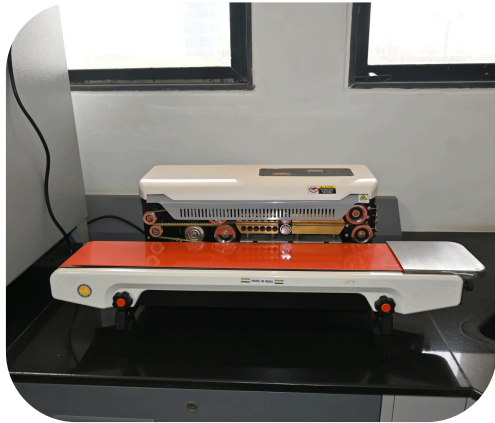
# APPLICATION-BASED TEACHING APPROACH



Gujarat Biotechnology University emphasize an application-based teaching approach rather than a purely theoretical one.

Well-equipped with high-end instruments and technology, they facilitate practical training and research, fostering a culture of innovation and discovery.

# Instrumentation

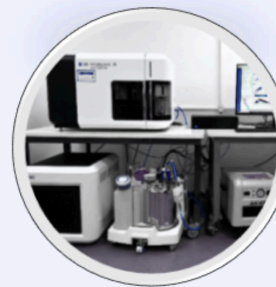


## LIST OF MAJOR INSTRUMENTS @ GBU



**INSTRUMENTS**

- Mass Spectrometer (LC-HR-MS)
- Gas Chromatography mass spectrometer (GC-MS)
- Inductively coupled plasma mass spectrometer (ICP-MS)
- Raman spectroscopy
- FTIR-ATR
- Circular Dichroism spectrometer
- CHNS analyzer
- Ultracentrifuge
- Qubit System
- Isothermal Titration Calorimetry
- Zeta & Particle Size Analyser
- 3D Bioprinter
- 3D Printer
- Algal Growth Chamber
- Biolistic Gene Delivery System
- Chlorophyll Concentration Meter
- Sanger sequencer (3500XL)
- TOC Analyzer (1080 D)
- Gene Titan
- QIAgility Liquid Handling Unit



**CENTRAL  
INSTRUMENTATION  
FACILITY**

- Microbial Electroporator
- QIAcuity Digital PCR
- Field-Emission gun (FEG) Scanning Electron Microscope (SEM)
- Photo Bioreactor
- Membrane Bioreactor
- Fermenter 5l & 50 l
- Spinning disc Confocal Microscope
- Confocal Laser scanning Microscope
- Upright Fluorescence Microscope
- Inverted Microscope
- Compound Microscope
- Stereo microscope
- Inverted Motorized Microscope
- TIRF Microscopy
- FACS sorter with imaging and spectral technology
- Flow cytometer
- Benchtop flow cytometer
- Ion Exchange Chromatography
- GC TCD & FID
- HPLC & FPLC
- Gel Permeation Chromatography



**RESEARCH  
PROJECTS**



**INTERNATIONAL  
COLLABORATION**



# CAMPUS LIFE AT GBU



Feature Story **CAMPUS LIFE EDITION**



**A vibrant community of innovators, researchers, and changemakers shaping the future of biotechnology — one breakthrough at a time.**

Gujarat Biotechnology University stands as a beacon of academic excellence and innovation. Students engage in cutting-edge research, collaborative projects, and vibrant campus activities that prepare them for global careers in life sciences, biotech, and allied fields. From state-of-the-art laboratories to dynamic student clubs, GBU fosters a culture of curiosity, inclusion, and ambition. This feature explores the pulse of campus life — the people, programs, and passions that define the GBU experience.

# Infrastructure at GBU



**Lobby Area**



**Modern Classrooms and Lecture Halls**



**Library and - e Journal Access**



**Auditorium**



**Sports Facility**



**Canteen**



**Housing**



**Hostel**

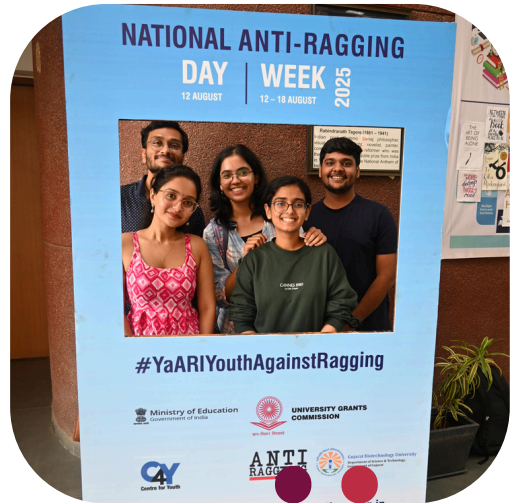


**Student Activity Centre**



**Animal House**

# Live, Laugh & Learn at GBU:



# Admission Procedure

Admission to GBU M.Sc. program is based on the Graduate Aptitude Test- Biotechnology (GAT-B) first. The merit list shall be prepared based on the marks/ scores obtained in the GAT-B 2026 exam. The remaining seats will be filled with IIT-JAM 2026 and then CUET- PG 2026 (Life Science & Biotechnology) scores; for this, keep visiting GBU website regularly. Admission forms are available at [www.gbu.edu.in](http://www.gbu.edu.in).

## Stipend

All students enrolled in the Master's degree programme at Gujarat Biotechnology University (GBU) will receive a monthly stipend of ₹5,000. Additionally, GBU will provide ₹5,000 per month as partial support towards accommodation, making the total monthly support ₹10,000 per student.

## Eligibility

A. Bachelor's degree in any field of science/technology as a subject in a 10+2+3/4/5 pattern of education with

a. (i) A minimum of 55% marks for GEN/OBC (50% for SC/ST) category in aggregate or as specified by the university/institute,

b. OR (ii) A minimum CGPA of 5.5 for GEN/OBC (5.0 for SC/ST) category on a scale of 10; with corresponding proportional requirements when the scales are other than 10 (for example 5.2 for GEN/OBC category (4.8 for SC/ST) on a scale of 8).

B. Only GAT-B 2026 qualified candidates, i.e Students who have scored above the declared cut-off category-wise and have their names on the official merit list of GAT-B as declared by NTA, shall be considered first for admission to M.Sc. degree programs at GBU.

C. However, if seats remains still vacant after the GAT-B 2026 admission round, students who have successfully cleared or scored above the declared cut-off category-wise of JAM 2026 and after it if still seats are vacant, students who have successfully CUET PG 2026; can be considered for the remaining seats after due approval from competent authorities.

## Reservation Policy

The reservation policy for M.Sc. admission at GBU is as per prevailing norms of Gujarat Government. The details of different categories are available in the online application form.

# Tuition Fees

The tuition fees payable for students admitted to M.Sc. degree programs at GBU for the academic year 2026-2027, for each semester, are as follows:

	Semester- 1	Semester- 2	Semester- 3	Semester- 4
Fees (in INR) - For SC, ST candidates	24,000/-	18,000/-	18,000/-	18,000/-
Fees (in INR) - For all others	48,000/-	36,000/-	36,000/-	36,000/-

\*Note: The fees shall be paid online.

- The students shall pay an amount of tuition fee as token fee to confirm their seat during admission. The token fees shall be Rs. 15,000/-. The remaining fees of the first semester shall be paid within 15 days of the token fee submission or as notified by the competent authority.
- Students getting admission have to pay the token fee in the stipulated time period, failing which the admission will stand cancelled and the seat would be offered to the next eligible applicant as per norms.
- The seats shall be filled based on the merit prepared by the admission committee, considering the GAT-B 2026, IIT-JAM 2026 & CUET-PG 2026 (Life Sciences & Biotechnology) score/marks obtained by the candidates. The merit list shall be prepared category-wise and contain the following details: Candidate name Roll number Score / Marks GBU merit number Applicable category Admission seat category

## Tentative Admission Time Frame

Sr. No.	Event steps	Date
1	The online admission application form live on GBU website	13/06/2026
2	Last date for filling up the online form on the GBU website	12/07/2026 (Till 11:59 PM)

Note: The admission timeline is tentative and subject to change.

# Industry Relation Cell

At Gujarat Biotechnology University (GBU), the Industry Relations Cell serves as a vital bridge between academia and industry, fostering collaborations that prepare students for successful careers in biotechnology, healthcare, pharmaceuticals, and allied sectors.

GBU graduates have been successfully placed in leading organizations such as Yashraj Biotechnology Ltd., Department of Science & Technology (Government of India), Zydus Research Centre, Banas Dairy, O2h Group, Concord Biotech Ltd., Lambda Therapeutic Research Ltd., and several other renowned organizations. They are contributing as Scientists, Research Associates, Young Professionals, Clinical Research Consultants, Bioinformatics Analysts, Research Assistants, and in other specialized roles across the biotechnology, pharmaceutical, healthcare, diagnostics, and research sectors.

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations!**

**PREETI SINGH**  
M.Sc. BIOTECHNOLOGY

For being Selected at

**LAMBDA**  
Research Accelerated  
LAMBDA THERAPEUTIC RESEARCH LTD

Gujarat Biotechnology University | Email ID: placementcell@gbu.edu.in

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations!**

**NIDHI TIWARI**  
M.Sc. BIOTECHNOLOGY

For being Selected at

**zydus**  
Research Centre  
ZYDUS LIFESCIENCES LTD

Gujarat Biotechnology University | Email ID: placementcell@gbu.edu.in

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations**

**ANKAN PAUL**

For being Selected as Embryologist at

**Banas Dairy**  
Asia's Largest Dairy Cooperative

Gujarat Biotechnology University | Email ID: placementcell@gbu.edu.in

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations**

**MOHAN MISHRA**

For being Selected at

**nucleome**  
Nucleome Informatics Pvt. Ltd

Gujarat Biotechnology University | Email ID: placementcell@gbu.edu.in

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations!**

**Aman Kumar Prasad**

For Being Selected at

**o2h**  
ventures. discovery. tech

Gujarat Biotechnology University | Empowering Future Biotech Leaders

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations**

**DEBARGHA BHADURY**

For being Selected at

**GRG HEALTH**  
GROWMAN RESEARCH & CONSULTING PRIVATE LIMITED

Gujarat Biotechnology University | Email ID: placementcell@gbu.edu.in

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations!**

**Nandana Sadanandan K**  
M.Sc. Biotechnology

For being selected as Scientist at

**YASHRAJ BIOTECHNOLOGY LTD.**  
a bio-quest for ever  
ESTD. 1999

Gujarat Biotechnology University

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations!**

**Ashutosh Kumar**

For securing a Ph.D. in the Department of Geology position at **University of Georgia, United States**

**GUJARAT BIOTECHNOLOGY UNIVERSITY** In partnership with **THE UNIVERSITY of EDINBURGH** **Dst** Department of Science & Technology (Government of Gujarat)

**Congratulations!**

**Maharaj Gracy Jiteshkumar**  
M.Sc. Biotechnology

For Being Selected at

**zydus**  
Dedicated To Life

placementcell@gbu.edu.in | 079-69014-932 | www.gbu.edu.in

## **PREVENTION AND PROHIBITION OF RAGGING**

In pursuance to the Judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in Civil Appeal No. gg7/2009, in exercise of the powers conferred by clause (g) of sub-section (1") of section 26 of the University Grants Commission Act, 1956, the UGC notified "Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009". The Regulations are available on the UGC website i.e. [www.ugc.ac.in](http://www.ugc.ac.in) & [www.antiragging.in](http://www.antiragging.in).

It is once again brought to the notice of all that ragging is a criminal offence and UGC has framed regulations on curbing the menace of ragging in higher educational institutions in order to prohibit, prevent and eliminate the scourge of ragging. These regulations are mandatory and all institutions are required to take necessary steps for its implementation including the monitoring mechanism. Any violation of these regulations will be viewed seriously. If any institution fails to take adequate steps to prevent ragging or does not act in accordance with these Regulations or fails to punish perpetrators of incidents of ragging suitably, it will attract punitive action against itself by the UGC.

The University is committed to maintaining a safe and supportive environment for all students. To address issues related to ragging, the University provides the following resources:

**Toll-Free Helpline:**

A 24/7 toll-free helpline has been established by the UGC, available in 12 languages, to assist victims of ragging. Helpline Number: 1800-180-5522

**Email Complaints:** Complaints can also be filed through email at: Email: [helpline@antiragging.in](mailto:helpline@antiragging.in)

**Your safety and well-being are our top priority. Please come forward and seek help if you or someone you know is affected by ragging.**

### **Anti-Ragging Undertaking – Mandatory Compliance**

As per the directions of the Hon'ble Supreme Court of India and the UGC Regulations on Curbing the Menace of Ragging, it is mandatory for all students to submit the Anti-Ragging Undertaking every academic year. All students are required to complete the Anti-Ragging Undertaking by following the instructions given below.

#### **Step-by-Step Instructions for Students**

##### **1. Visit the official Anti-Ragging website**

Student Undertaking Link: [https://antiragging.in/affidavit\\_registration\\_disclaimer.html](https://antiragging.in/affidavit_registration_disclaimer.html)

##### **2. Submission & Reference Number**

After successful submission, you will receive a Reference Number on the screen and via email. This reference number can be used to download your Anti-Ragging Undertaking.



Upcoming Buildings

For Further Information, Please Contact:



# GUJARAT BIOTECHNOLOGY UNIVERSITY



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+91 79-69014-999**



Email

**admission@gbu.edu.in**



Website

**www.gbu.edu.in**



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Gujarat 382355**