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Department of  
**Biotechnology**

## School of Biotechnology & Biosciences

# Department of Biotechnology

- BSc (H) Biotechnology
- BTech Biotechnology
- MSc Biotechnology
- MSc Microbiology
- MSc Bioinformatics
- PhD



### Salient Features

- Student's involvement in faculty research projects from Semester-I.
- Highly qualified faculty members having PhD, postdocs and industry exposures
- Syllabus for curriculum as per competitive exams like; JAM (UG) / SET, GATE, NET
- Value Added Courses
- Rural biotech work in surrounding villages as a part of outreach programme of university
- Scope of receiving free training for Competitive exams.
- NEP 2020
- Skill Enhancement Courses
- Ability Enhancement Courses
- Digital-first curriculum with AI tools
- Transforming interdisciplinary concepts into impactful solutions through cutting-edge innovation labs

### Programme Highlights

Hybrid mushroom cultivation technology  
Biofuel production from organic waste  
Plant Tissue Culture and nursery development  
Clinical Data Management  
RT-PCR Test  
Bioenzyme Production from Kitchen waste

### Opportunities

- Biotechnologist (Agricultural/Medical /Environmental)
- Biochemist & biophysicist
- R&D scientist
- Academicians
- Soil and plant scientist
- Biopharma expert
- QA / QC Analysts
- Food Safety Analyst
- Lab Technicians
- Molecular biologist /Microbiologist
- Clinical research associate

### Specialisation Scope

- Advanced techniques like PCR, ELISA, western blot, immunoprecipitation in animal biotechnology.
- Biopharming and bioresources
- Microbial fermentation and production of small and macro-molecules.
- Bioremediation
- Food preservation and safety
- Mushroom cultivation technology
- Plant tissue culture and nursery management technology
- Organic farming technology
- Biofuel production technology
- Water treatment and purification technology
- Biofertilizer production

### Project Associates

- West Bengal Department of Science & Technology and Biotechnology
- Ministry of Micro, Small & Medium Enterprises (MSME)
- Unnat Bharat Abhiyan (UBA)
- Science for Equity Empowerment and Development (SEED), a Division of DST
- State University Research Excellence (SERB-SURE), a new scheme of the Science and Engineering Research Board

## Institute-Industry Collaborations & Internships



## Events and Activities



Outreach Programme on Rural Biotechnology



MSME-sponsored Entrepreneurship Seminar



Green Biomerge: Enhancing Health through Environment,  
Biotechnology and Entrepreneurship



Workshop on PBMC Isolation Techniques

## Some well placed students



Suchesmita  
Biotechnology



Ishita  
Biotechnology



Soumili  
Biotechnology



Pratik  
MSc Biotechnology





Visit us



## BRAINWARE UNIVERSITY

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