



CENTRE FOR CAREER DEVELOPMENT
IIT GUWAHATI

Department Placement Brochure

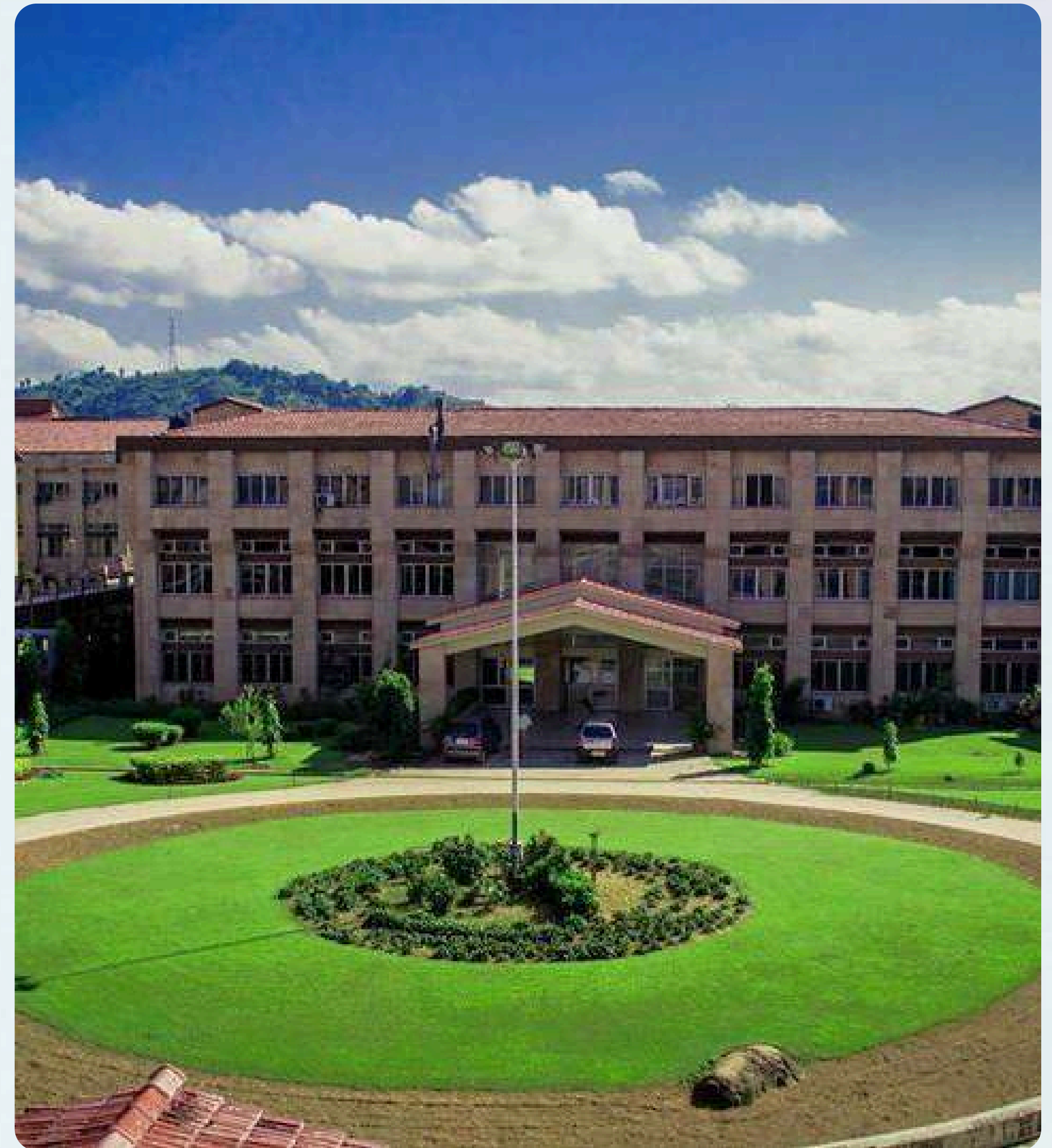
BATCH OF 2026 | School of Agro and Rural Technology

About IIT Guwahati.

Established in 1994, Indian Institute of Technology Guwahati is the sixth member of the IIT fraternity and one of India's premier institutions for higher education, research, and innovation. Within a short span, the Institute has emerged as a global centre of excellence in science, technology, management, and design. The picturesque campus spans 285 hectares on the northern bank of the Brahmaputra River, approximately 20 km from the heart of Guwahati city. Surrounded by scenic hills and open spaces, it offers a perfect environment for learning, research, and holistic development. IIT Guwahati offers a wide array of academic programmes including B.Tech., B.Des., BSc (Hons), M.Tech., M.Des., M.Sc., MBA, M.A., MS(R) and Ph.D. across 11 departments, 9 interdisciplinary centres, and 5 schools, covering major disciplines in engineering, science, humanities, healthcare, and management.

The Institute has built world-class infrastructure and houses state-of-the-art laboratories and National Centres of Research that support cutting-edge research. Students are encouraged to take up interdisciplinary coursework, pursue minor degrees, and choose from a rich variety of open and interdepartmental electives. IIT Guwahati has signed MoUs with top international universities, facilitating semester exchanges and summer internships, thereby broadening students' global exposure. Our students regularly intern at leading global firms and research institutions, gaining invaluable real-world experience.

Ranked among the top 100 world universities under 50 years by Times Higher Education (THE), IIT Guwahati continues to excel globally. The Institute was ranked 42nd globally in 'Research Citations per Faculty' and 344th overall in QS World University Rankings.



About the Department .

Vision

To integrate industries and research laboratories with the rural sector, fostering a robust ecosystem where academia, industry, and rural communities collaborate. The vision is to create industry-relevant, placement-oriented opportunities for students, align innovations with ongoing government projects and industrial demands, and drive holistic rural development through interdisciplinary research and sustainable technology transfer.

Mission

To bridge the gap between rural challenges and technological solutions by developing sustainable, science- and technology-driven innovations that combine modern advancements with traditional knowledge. The mission focuses on empowering rural communities through employment generation, poverty alleviation, skill development, and entrepreneurship while fostering research, consultancy, and outreach in collaboration with NGOs, government schemes, and R&D institutes.

The academic program commenced in 2016 and it is the only department which deals with the Agro and Rural problems of overall north east region. It has continually upgraded itself in terms of academic programs and research infrastructure, including state-of-the-art.



From the desk of HOD.



Name

Prof.Sudip Mitra



Message from Head of the Department

I would like to express my gratitude to you for considering the Indian Institute of Technology, Guwahati as a potential campus for recruitment this year. I am writing on behalf of the post-graduating batch of our MTech in Rural Technology program. The program includes courses such as Research Methodology & Quantitative Techniques for Rural Development, Rural Technology and Development, Livelihood and Entrepreneurship, Field Work and Communication, Rural Water Supply and Sanitation, Natural Resources Management (NRM), and Product and Process Development in Food & Bioprocessing industries. The students in this batch have been selected through a rigorous entrance exam and interview process. I believe that our students are highly competent for the current openings in your organization and will surpass your expectations.

From Department Faculty Representative.



Name

Dr. Sagar Surendra Deshmukh



Message from Department Faculty Advisor

Welcome to the School of Agro and Rural Technology at IIT Guwahati. We are proud to present our 'M. Tech in Rural Technology program, a unique interdisciplinary course designed to address the challenges and opportunities in rural development through innovative technological solutions.

Our program focuses on equipping students with the skills and knowledge to drive sustainable development in rural areas. With a curriculum that blends advanced technological education with a deep understanding of agro and rural contexts, our graduates are prepared to tackle some of the most pressing issues facing rural and farming communities today.

Our students are trained in a wide range of areas, including sustainable agriculture, renewable energy, water resource management, food processing technology and rural entrepreneurship. This diverse skill set allows them to design and implement solutions that are not only technologically sound but also socially and economically viable.

The M. Tech in Rural Technology program at SART is committed to creating professionals who can contribute to the nation's development by bringing about positive change in rural areas. We invite you to explore the potential of our students to become valuable assets to your organization.

We look forward to fostering a collaborative relationship that will benefit both your organization and the talented individuals we are nurturing here at IIT Guwahati.

Demographics.

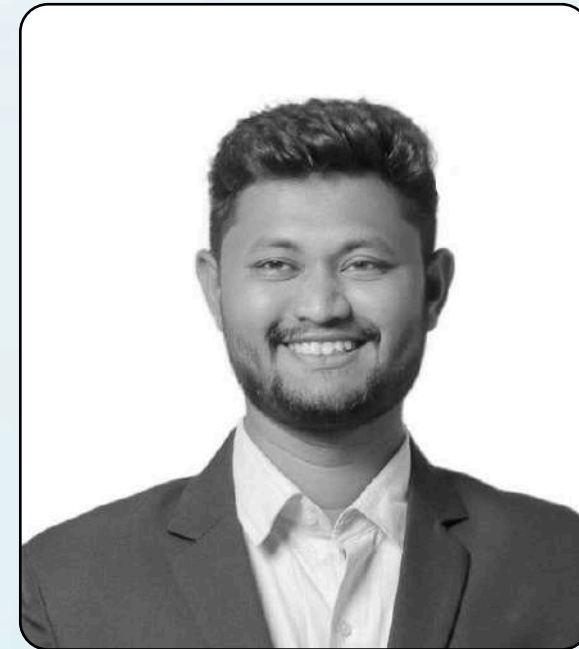
Postgraduate Programs - MTech (2024-2026)



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Courses Offered.

M.Tech Core Courses:

This program is ideal for students willing to make their careers in Progressive Farming, Industry (agriculture, food, nutrition etc.), NGOs, Government departments (water, sanitation, agriculture, rural development, Environment, etc.).

Individuals from the Corporate sector working in the field of rural development, post-harvest, agro-industries, agriculture business management, rural banks (NABARD), etc



- Rural Technology and Development
- Livelihood and Entrepreneurship
- Research Methodology & Quantitative Techniques for Rural Development
- Rural Water Supply and Sanitation Field Work and Communication



Department Electives.

- Climate Smart Agriculture
- Rural Marketing
- Digital Agriculture and Advanced Analytics
- Rural Waste Management
- Rural Electrification



Key Research Projects.

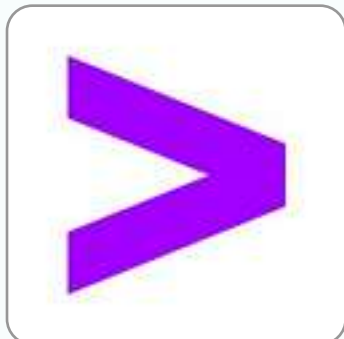
1. Crop monitoring and damage assessment in rice ecosystems of North Eastern Region (NER) with microwave remote sensing data. ISRO.
2. Soil Fertility Test using Soil Organic Carbon Detection Kit: Capacity Building & Implementation in Assam, NE India, North Eastern Council.
3. Agricultural Crop Monitoring using RCM Compact Polarimetric Data for Cross-site Validation, Timeline: Apr 2025–Dec 2030. Canadian Space Agency.
4. EODSys4Crops : Real-Time Crop Monitoring using new Generation Earth Observation Data and Dynamic System Theory, Timeline: Mar 2025–Mar 2027. IIT Guwahati.
5. Development and Promotion of Agri-Entrepreneurial and Agri-Start-up Ecosystem in the Northeast region of India. Timeline: Mar 2025–Mar 2027. IIT Guwahati.
6. Early-Stage Leaf Nitrogen detection using PRISMA dataset. Timeline: Feb 2025 – Feb 2027; Value: No financial component. Italian Space Agency.
7. Assessment of bioavailability of microplastics in soils and their remediation through biochar's prepared from locally available agro-horti refuse in Assam, North East India. DST SERB Core Grant.
8. Enhancement of the Gram Panchayat Spatial Development Plans (GPSDP) for GP-Bongshar and Saraighat, Ministry of Panchayati Raj (MoPR), May 2024–25.
9. FICORE 'Circular Economy Solution for Microplastics: Indo-Finnish Scientific Collaboration'.
10. "Exploration of Underutilized Amaranthus species for Sustainable "Livelihood, Nutritional Security and Climate Resilience of Western Himalayan Region" under Himalayan Bioresource Mission, DBT, Govt of India (2022-2025)
11. Planet Labs Education and Research Program grant, Timeline: July 2024 – July 2026; Value: No financial component. Planet Lab Inc.
12. "Design and Development of Solar PV Powered Cane Slicing Machine" Jan 2022 – till date. DST SEED, Gol,
13. Focussed Development Program (FDP) Enhancing Agriculture & Agri-Residue-Based Enterprise Development through Farmer Producer Organizations (FPOs). HDFC, Starting Year: 2024.
14. Development of pigmented rice based antioxidant-rich traditional and innovative food products as adaptogens for reducing oxidative stress, Funding Agency : Government – DRDO, Starting Year: 2022 .
15. Technology development & innovation engineering for value chain development for citrus fruits of North Eastern region. DBT, Starting Year: 2021.

Instrument Facilities/ Laboratories.

- Agro-Eco Technology Lab
- Food and Bioprocess Lab
- Water and Sanitation Lab
- Agro-Geoinformatics Lab
- Agribusiness Innovation and Entrepreneurship Lab
- Common Wet Lab and Workshop
- Microbiology Lab (Sanitized Environment)
- Sustainable Energy Lab



Past Recruiters.



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