



Indian Institute Of
Technology, Guwahati

Centre For Career Development

School of Agro and
Rural Technology

Department Brochure



About the Institute

Since **1994**, when it was founded as the sixth Indian Institute of Technology, IIT Guwahati has become one of the world's most dynamic universities in technology, innovation, and research. The campus lies on a 285-hectare parcel of land on the northern bank of Brahmaputra 20km from the city centre. The curriculum and courses at IIT Guwahati are constantly changing to meet global needs and allow students to explore their interests.

The Institute offers **B.Tech, B.Des, MA, M.Des, M.Tech, MS(R), MBA, M.Sc, and Ph.D** programmes in 11 Departments, 9 Centres, and 5 Schools in all major engineering, science, and humanities areas. Our students can broaden their studies with a 'Minor' degree, open and interdepartmental electives, audit courses, and inter-disciplinary research.

The institute's state-of-the-art laboratories and **National Centres of Research** have made it a hub for research and technical education.

Apart from world-class research, the faculty prepares students for professional problems by teaching them their fields conceptually. It also helps students participate in worldwide projects, which helps them become pioneers and leaders.

IIT Guwahati has **MoUs (Memoranda of Understanding)** with top international institutes for semester-based student-exchange programmes and summer internships, boosting global integration and broadening our students' perspectives.

In their holidays, students intern in industrial, managerial, and research fields at top international corporations and research labs, contributing greatly. The institute provides excellent extracurricular opportunities to help students develop holistically.

About the School

School of Agro and Rural Technology (SART) was renamed from the Centre for Rural Technology in the year 2021. School of Agro and Rural Technology at IIT Guwahati was established in the year 2016 to promote multidisciplinary activities. The School imparts teaching, conducts research and provides consultancy in various facets of rural sectors with special emphasis on training and research needs of the Indian rural sector and contributing to International research in Appropriate Technology for rural communities.

The School in close collaboration with NGOs, voluntary organizations, R&D institutes and Government programs/ schemes provides facilities to innovators/ engineers to contribute meaningfully to the nation to tackle issues like poverty, underdeveloped economy, unemployment, of the rural sector and the challenges imposed by resource constraints. Faculty members from various departments of the institute such as Energy, Biosciences and Bioengineering, Civil Engineering, Design, Mechanical Engineering, Humanities and Social Sciences are associated with the School for the promotion of interdisciplinary research for Rural Development.



HOS
Prof. Sudip Mitra

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.



Department Faculty
Advisor

**Dr. Sagar Surendra
Deshmukh**

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.

Course Structure

Core Courses



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

Elective Courses



- Water Resources Management
- Natural Resources Management (NRM)
- Product and Process Development in Food & Bioprocessing industries
- Agri-horticultural Produce Processing Technology

RESEARCH 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)

ON GOING RESEARCH PROJECTS

- Focused Development Program (FDP) Enhancing Agriculture & Agri-Residue-Based Enterprise Development through Farmer Producer Organizations (FPOs).
- Assessment of bioavailability of microplastics in soils and their remediation through biochar's prepared from locally available agro-horti refuse in Assam, North East.

ALUMNI WORKING ORGANISATION



Contact Details



Dr. Sagar Surendra Deshmukh
Department Faculty
Representative for Placements

Ph. No: +91-361-258 3795
Email: sagarsd@iitg.ac.in




Makrand Mishra
+91-8896239797
m.makrand@iitg.ac.in



Jagdish Panda
+91-9337218041
Pjagdish@iitg.ac.in

Overall
Placement
Coordinators



Pronay Dey
+91-8697246807
d.pronay@iitg.ac.in

Department
Placement
Representative

Mail us at : placement@iitg.ac.in
Website - www.iitg.ac.in/ccd