Academic Placement Brochure 2021-22

Centre for Career Development,
Indian Institute of Technology Guwahati

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Academic Internship and Placement

The Academic Placement Program is a new initiative started by the Centre for Career Development IIT Guwahati. This program is intended to act as a platform to connect the graduating students interested in higher studies with those of foreign academic institutions and universities intending to recruit students for summer research, masters and PhD programs. Centre for Career Development will help partnered universities organize talks with the students and help coordinate the selection process. The assistance and guidance provided by CCD is intended to motivate students to consider higher studies/research as a career option.

For Internships, the students will be available during the summer break for 8-10 weeks from May 2022-July 2022. A University can inform us about their requirements in any projects that the researchers are currently pursuing. We would pass on this information to the students and coordinate with the university in the selection process.

Director's Message

Indian Institute of Technology Guwahati was established in 1994 by an Act of Parliament. The academic programme started with 65 students in three undergraduate programmes in 1995. The Institute is growing steadily and the total number of students in eleven departments and three academic centres in numerous undergraduate and postgraduate programmes is now around 5100. The Institute has excellent infrastructure for all round development of its students. The laboratories are well equipped with modern cutting edge instruments for research and development. The Institute has a very good central library with collection of more than 1.6 lakh printed books and subscribes to more than 500 printed journals. Library has access to over ten thousand online journals. The sports facilities of the Institute are of international standard. The students graduating from this institute are motivated, bright, and very eager to perform after they graduate. Institute provides them quality education both in the classroom, and outside. IIT Guwahati has extensive facilities for cultural and creative activities too. IIT Guwahati helps in shaping up the bright minds with proper perspectives. Because of the excellent performance of the students of IIT Guwahati in all the fields of study and research, guided by the dynamic faculty members and with full support of the non-teaching employees, IIT Guwahati could feature in the coveted list of Top-100 young universities (under 50 years of age) of the world selected by the Times Higher Education (THE) magazine. IIT Guwahati is the only Indian entry to this elite list. With this India has joined the league of Top 100 for the first time. Faculty members and the PhD students have been able to demonstrate substantial intrinsic merit of their research. Also some research- activities have excellent connection to Industrial problems.

Prof. T.G. Sitharam

News and Achievements

Ranked 7 in NIRF Rankings

IIT Guwahati has ranked 7th in overall as well as in Engineering category in the 'India Rankings 2020' of National Institutional Ranking Framework (NIRF), MHRD, Government of India

QS World University rank 41 (India rank 2) for research

IITG has entered the list of top 50 institutes in the world by securing the 41st rank globally (Indian Rank - 2) in the 'Research Citations per Faculty' category of the QS World University rankings 2022.

IITG research on Eri and Muga Silk accepted by World Bank

IIT Guwahati researchers conducted extensive scientific field research for Eri and Muga silk from a design management perspective, which gained acceptance from the World Bank consultants.

Microplastic filter for seawater

IIT-Guwahati researchers have developed a microfiltration process using hollow fiber membrane to remove microplastics from seawater before edible salt is extracted from it.

Breakthrough in pricing 'Carbon Risk'

Researchers from IIT Guwahati and IIM Bangalore has made a breakthrough in pricing 'carbon risk', revealing long-term risks for stocks of polluting firms.

Smart window materials for automatic climate control

IIT Guwahati researchers have developed smart window materials for automatic climate control of buildings. This would help develop effecient automatic climate control systems.

Departments, Centres and Schools
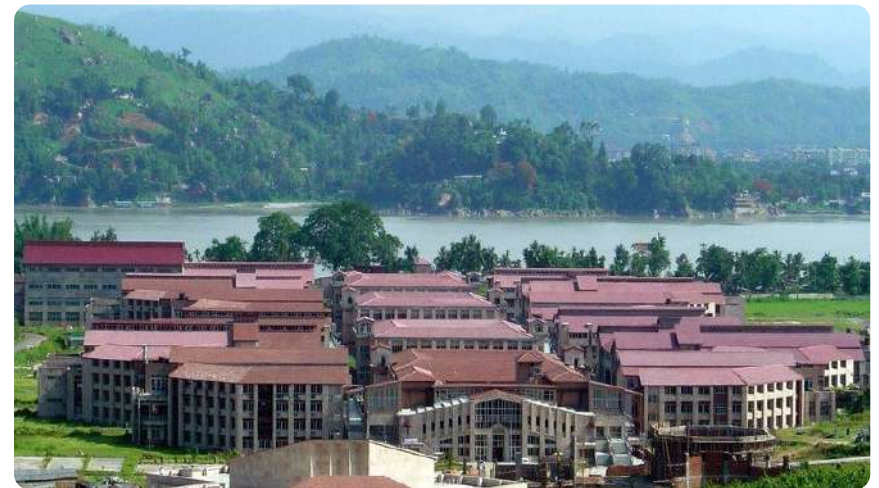
Departments

Department of Biosciences and Bioengineering
Department of Chemical Engineering
Department of Civil Engineering
Department of Computer Science and Engineering
Department of Design
Department of Electronics and Electrical Engineering
Department of Mechanical Engineering
Department of Chemistry
Department of Humanities and Social Sciences
Department of Mathematics
Department of Physics

Centres

Centre for the Environment
Centre for Nanotechnology
Centre for Linguistic Science and Technology
Centre for Disaster Management and Research
Centre for Intelligent Cyber Physical Systems
Centre for Indian Knowledge Systems

Schools

Mehta Family School of Data Science and Artificial Intelligence
School of Energy Science and Engineering
School of Agro and Rural Technology
School of Health Science and Technology

Programmes and Disciplines

Bachelor of Technology (B.Tech)

4 year programme in the disciplines:
Biosciences and Bioengineering
Chemical Engineering
Civil Engineering
Chemical Science and Technology
Computer Science and Engineering
Electronics and Electrical Engineering
Electronics and Communication Engineering
Mathematics and Computing
Mechanical Engineering
Engineering Physics

A rigorous course structure which imparts comprehensive understanding of a particular field of study, training for practical problems of design and development through course work and active research.

Bachelor of Design (B.Des)

4 year programme in the disciplines:
Design

An interdisciplinary Design programme and the only one of its kind in the IITs. Focuses on imparting deep under standing of prime domains in Design : Design research, Interaction Design, Industrial Design, and Visual Comm. through courses and rigorous project works

Minor Degree Programme : as an auxiliary

Auxiliary minor programme for all disciplines. In 2010, the institute started a provision for a minor degree in the B.Tech and B.Des programmes. Students pursue additional courses in their Minor degree department. Students specialize in a field of their choice in addition to their major degree thus developing skills well suited for interdisciplinary professions.

Programmes and Disciplines

Master of Technology (M.Tech)

2 year programme in the department:
Biosciences and Bioengineering
Chemical Engineering
Civil Engineering
Computer Science and Engineering
Data Science
Electronics and Electrical Engineering
Mathematics and Computing
Mechanical Engineering
Rural Technology
Robotics and Artificial Intelligence

Comprehensive understanding in specialized domains of engineering through course work and active research.

Master of Design (M.Des)

2 year programme in the discipline:
Design

Imparting students a deep understanding of Design research, Industrial Design, Visual Communication and Interaction Design through courses and project works.

Master of Science (M.Sc)

2 year programme in the department:
Mathematics and Computing
Chemistry
Physics

Doctoral Programme (Ph.D.)

In the departments
Biosciences and Bioengineering
Chemistry
Chemical Engineering
Civil Engineering
Computer Science & Engineering
Design
Electronics & Electrical Engineering
Humanities and Social Sciences
Mathematics
Mechanical Engineering
Physics

In the centres
Environment
Linguistic Science
Nanotechnology

In Schools
Agro and Rural Technology
Energy Science
Health Science

Extensive training in research with advances in science and technology. Students publish their thesis in International Journals and Conferences.

Master of Science by Research (MS(R))

2 year programme in the discipline:
Energy Science and Engineering
E-Mobility

Imparting students a deep understanding of through specialized courses and extensive research.

Master of Arts (M.A)

2 year programme in the department:
Humanities and Social Sciences

Interdisciplinary and Collaborative Programmes

International Joint PhD Degree Programme with GIFU University, Japan

Food Science & Technology
Integrated Mechanical Engineering

International Joint Masters Degree Programme with GIFU University, Japan

Food Science & Technology

Joint PhD Degree Programme Indian Institute of Technology BHU

Interdisciplinary Data Science M.Tech Programme

Computer Science and Engineering, Mathematics and Electronics and Electrical Engineering

Interdisciplinary E-Mobility MS (Research) Programme

Mechanical Engineering and Electronics and Electrical Engineering

Interdisciplinary PhD Programme

Dual (M.Tech + PhD) Programme

Computer Sceince and Engineering

Dual (MS (Engg.) + PhD) Programme

Electronics and Electrical Engineering

Research and Development (Infrastructure)

Lecture hall complex & Conference centres

The institute has four large lecture halls with 300 seating capacity each and a new Conference Centre with 4 conference rooms of global stature. There are plans for 6 lecture halls of 200 capacity and 18 class rooms of 120 capacities for future provision.

Central library and Computer Centre

With more than 1.64 lakh volumes, presently we are subscribing to 525 titles including 306 online journals & 12350 online journals through 'INDEST-AICTE Consortium' and 'DeLCON: DBT – Electronic Library Consortium'.

Academic Complex & Technology Complex

The majestic Academic complex of 74000 square meters houses all the departments, centres for research, laboratories and department libraries, equipped with modern audio-visual aids. The advanced Technology complex houses the Incubation centre which facilitates co-operation and interaction between the institute and entrepreneurs of various sectors of science and engineering.

Academia

MOUs

Memoranda of Understanding (MoU) on academic & research collaborations, are one of the integral part of the institution's external relations. At present the institute has more than 100 MoUs till date with various universities from all over the world.

Conferences, seminars & workshops

Many conferences, seminars, workshops along with School of Thought are organized by Departments and Centres every year. Students participate actively in their proceedings as well as in organizing them.

Publications

Students actively collaborate with faculty in research projects, publishing research papers in international and national journals and conferences. The Institute has so far applied for 69 patents out of which 6 have been grant- ed. 19 patents were applied in the previous academic year only.

Our Alumni

Jaspreet Singh
B.Tech 2004

CEO and Founder, Druva

Druva delivers data protection and management for the cloud era. Druva Cloud Platform is built on AWS and offered as-a-Service; delivering globally accessible, infinitely scalable and completely autonomous enterprise data resiliency.

Archit Gupta
B.Tech CSE 2006

CEO and Founder, ClearTax

ClearTax is India's largest tax and financial services software platform for individuals, tax experts, SMEs and enterprises with income tax returns, GST, e-Invoicing, billing solutions and more.

Ankit Nagori
B.Des 2008

CEO and Founder, CureFit

CureFit is a health and fitness company offering digital and offline experiences across fitness, nutr-ition, and mental wellbeing. yoga and meditation, and medical and lifestyle care hassle-free.

Richa Singh
B.Des 2009

CEO and Founder, YourDOST

YourDOST provides an online counseling and e-motional support platform designed to foster mental wellness. It anonymously connects the clients with the right expert, who understand and guide them through completely confidential individual sessions

Prem Kumar Vislawath
B.Tech 2012

CEO and Founder, Marut Dronetech

Marut Drones is India's first drone technology developed to eradicate mosquito larvae and water hyacinths on lakes. It uses AI for predictive analysis of diseases and generates reports about various parameters.

Student Life at IITG

Events / Festivals

Alcheringa
Annual Cultural Fest

Advaya
PG inter-departmental techno-cultural fest

Udgam
Entrepreneurship Summit

Techniche
Annual Techno-Management Fest

Spirit
Annual sporting festival

Kriti
Inter-hostel technical and management fest

Manthan
Inter-hostel cultural competition

Spardha
Inter-hostel sports competition

TechEvince
Annual technical exhibition

Clubs

Aeromodelling | Astronomy | Coding | Electronics | EDC | Robotics | Green Automobile | Social Service
Science and Quiz (Acumen) | Finance and Economics | Prakriti | RadioG Anchorenza | Cadence
Xpressions | Fine Arts | LitSoc | Lumiere | Octaves | Montage | Saathi | Rights & Responsibilities
Red Ribbon | Academic Initiative | Youth Empowerment

and many more...

Contact Us

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