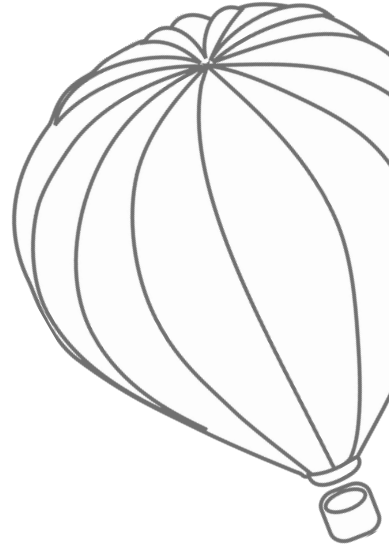Bachelor of Science (Honours)
Data Science and Artificial Intelligence

Mentoring an Intern

**Internship & Placement Cell, Online Degree Program (ODP)
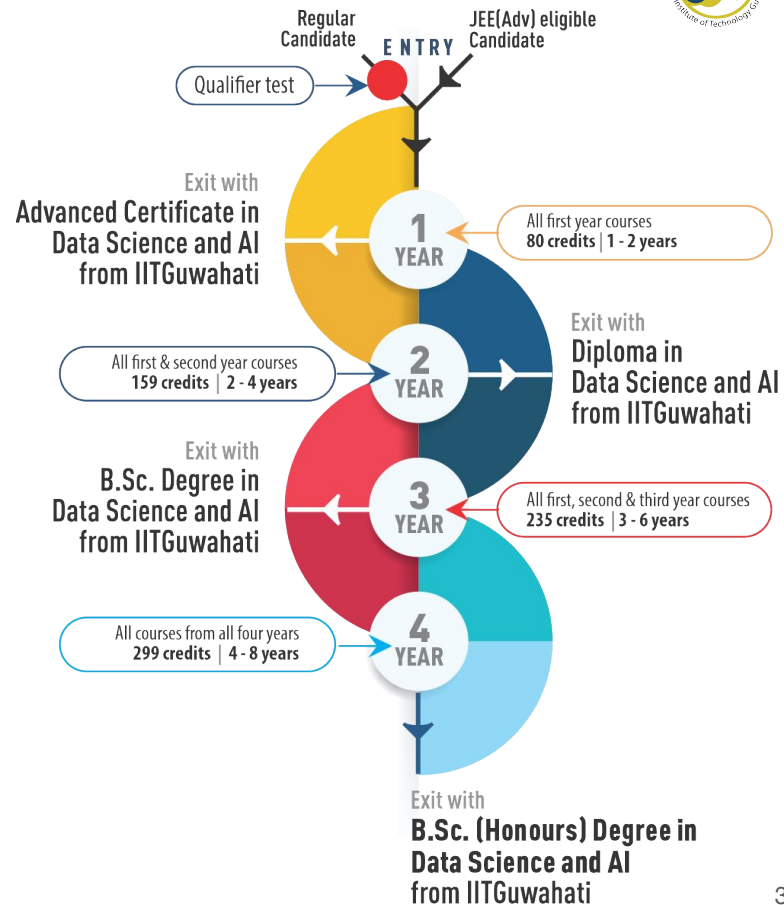IIT Guwahati**

ऑनलाइन शिक्षा एवं कौशल
Online Education & Skilling
Indian Institute of Technology Guwahati

IITG Bachelor of Science (Hons.) in Data Science & Artificial Intelligence

ONLINE DEGREES

A 4–year degree program of Indian Institute of Technology Guwahati
Launched in 2023

IITG
Bachelor of Science (Hons.) in
Data Science & Artificial Intelligence

ONLINE DEGREES

ऑनलाइन शिक्षा एवं कौशल
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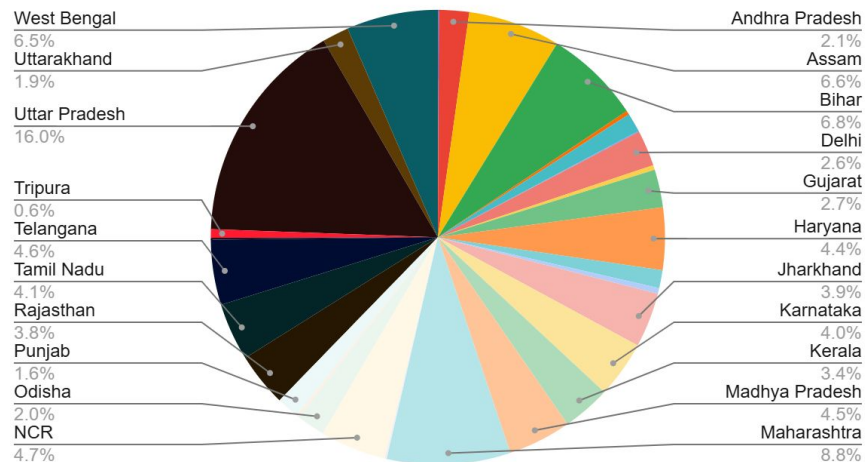Website: https://iitg.ac.in/oes/odp/

Regular Candidate | JEE(Adv) eligible Candidate

ENTRY

Qualifier test

Exit with
Advanced Certificate in Data Science and AI from IITGuwahati

1 YEAR

All first year courses
80 credits | 1 - 2 years

Exit with
Diploma in Data Science and AI from IITGuwahati

2 YEAR

All first & second year courses
159 credits | 2 - 4 years

Exit with
B.Sc. Degree in Data Science and AI from IITGuwahati

3 YEAR

All first, second & third year courses
235 credits | 3 - 6 years

4 YEAR

All courses from all four years
299 credits | 4 - 8 years

Exit with
B.Sc. (Honours) Degree in Data Science and AI from IITGuwahati

3

Where Rigour Meets Reach

Our student pool distribution, globally

Our student pool distribution, nationally

Total Students

Region	%
West Bengal	6.5%
Uttarakhand	1.9%
Uttar Pradesh	16.0%
Tripura	0.6%
Telangana	4.6%
Tamil Nadu	4.1%
Rajasthan	3.8%
Punjab	1.6%
Odisha	2.0%
NCR	4.7%
Andhra Pradesh	2.1%
Assam	6.6%
Bihar	6.8%
Delhi	2.6%
Gujarat	2.7%
Haryana	4.4%
Jharkhand	3.9%
Karnataka	4.0%
Kerala	3.4%
Madhya Pradesh	4.5%
Maharashtra	8.8%

1 — 1,491

How Faculty Can Engage with the Internship Program
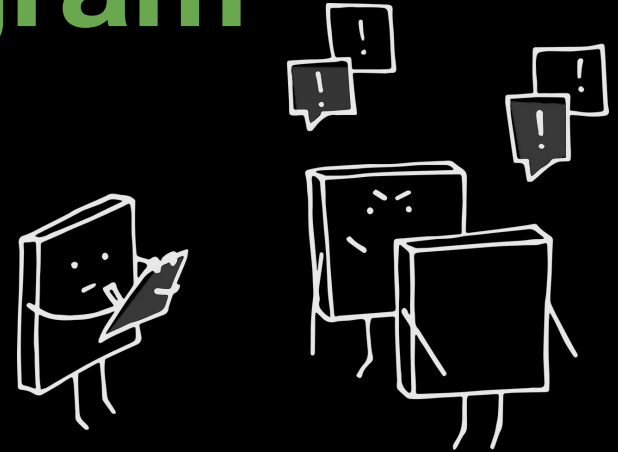
Why host a BSc (Hons.) Data Science and AI Intern?

Structured Yet Flexible Internship Format

- Each academic year includes 3 terms, each of 12 weeks
- Students undertake one internship per term (total of 3 internships in their Third Year)
- Internships are aligned with IITG's Online Degree Program academic calendar
- Can be conducted in online or hybrid mode, based on mutual convenience

Enhance Your Research with Student Support

- Students have completed a rigorous two-year curriculum covering 24 courses, taught by IIT Guwahati Faculty
- Are well-trained in data science, programming, machine learning, AI, visualization, and more (refer Slide 5).
- Can meaningfully contribute to data analysis, prototyping, tool development, literature review, and more.

Flexible and Well-Supported Engagement

- Mentors can define the scope and intensity based on project needs
- Mentors are not responsible for grading
- Academic evaluation is fully handled by IITG - an independent panel conducts the end-of-term viva-voce for credit assessment, minimizing overhead for mentors
- Internships may be extended across terms, with defined deliverables for each term

Opportunities for Deeper Engagement

Beyond Internships: Capstone Collaboration

- If you find a student's contribution valuable, you may:
  → Invite them to continue with the internship into the next term
  → Offer them a capstone project in their final year (Year 4) Capstones are credit-bearing, mentor-led projects that align with research or applied work

Opportunity to Mentor and Inspire

- Connect with motivated students across India and beyond, registered in our Online Degree Program
- Identify potential future mentees or research assistants

Contribute to a National Educational Initiative

- Support IIT Guwahati's flagship online BSc (Hons.) program in Data Science and AI - a first of its kind.
- Your involvement helps build a stronger bridge between academic theory and application.

Students' Academic Preparation Before Internships

Completed Coursework (Year 1 & 2):

Prior to opting for internship credits, every student has successfully completed 24 credit-bearing courses (over 2 years), covering foundational and applied topics in data science, AI, and computing.

Programming & Tools

- C Programming
- Python Programming
- Java Programming
- R Programming
- Computer System Tools
- Social Media Tools & Techniques
- Excel

Data Science & Analysis

- Data Analysis Basics
- Relational Database Management Systems (RDBMS)
- Data Mining & Warehousing
- Data Modeling & Visualization
- Time Series Analysis & Forecasting

Mathematics, Statistics & Applications

- Linear Algebra
- Introduction to Statistics
- Statistical Inferencing
- Optimization
- Basic Econometrics
- Signal and Systems

Artificial Intelligence & Machine Learning

- AI Basics
- Machine Learning Fundamentals
- Recommender Systems
- Algorithm Design & Data Structures

Communication and Supporting Skill

- Basic English Communication
- Shell scripting, Github based project management

How to Share an Internship Opportunity
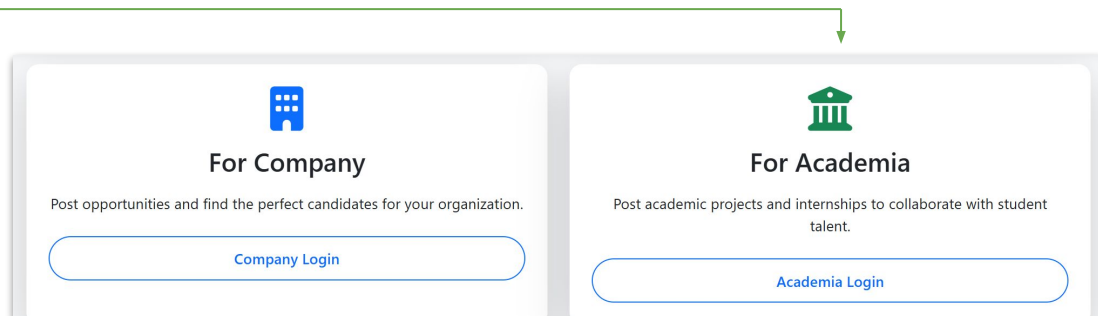
Faculty as Mentors - Getting Started

We invite faculty members to post internship opportunities through our dedicated portal. Here's how you can proceed:

Step-by-Step Process:

Step 1: Visit the Portal

🔗 https://oes.iitg.ac.in/inp/
- Register if using the portal first time or Log in

For Company

Post opportunities and find the perfect candidates for your organization.

Company Login

For Academia

Post academic projects and internships to collaborate with student talent.

Academia Login

Step 2: Post Your Opportunity
- Provide a brief project description, skills expected, mode of interaction, and contact details
- You can specify the term(s) for which the internship is being offered

Step 3: Review and Respond to Applications
- Students will reach out to you directly if interested in the opportunity
- Selection and onboarding are at the mentor's discretion

Evaluation Framework

Mentor will not have any grading responsibility — IITG panel handles internship work evaluation

| Criteria	Weightage
Documentation / Report (4 page, as per template)	20%
Video Presentation (10 mins duration, recorded)	20%
Online Viva Voce (10 mins, live meeting)	60%

Contact Us

Neeraj Kumar Sharma, PhD
Online Internship and Placement Coordinator
BSc (Hons.) DS&AI Program

Assistant Professor, Mehta Family School of DS&AI
Phone: +91-361-258-3507
Email: ✉ neerajs@iitg.ac.in, inpodp@iitg.ac.in
LinkedIn: Click here , Website: Click here
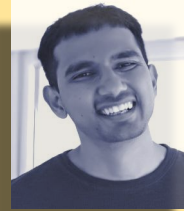
Mehta Family School of Data Science and Artificial Intelligence
Office: 309, Third Floor, HSS Annexure Building, Core-2
Indian Institute of Technology Guwahati, 781039, India
email: mfsdsai_off@iitg.ac.in, P: +91–361–258–3500
website: https://www.iitg.ac.in/dsai/

Online Education & Skilling
Second Floor, Administrative Block
Indian Institute of Technology Guwahati, 781039, India
email: hosoes@iitg.ac.in, P: +91–361–2582958
Website: https://iitg.ac.in/oes/