Nation First 🇮🇳

First India Foundation

A Comprehensive, Offline & Regular Classroom Study & 4 Year Scholarship Program For

BATCH 2

Indian Institute of Technology
Madras : Guwahati : Patna : Jodhpur

Bachelor of Science (BS) (4 Year)
Data Science and Applications

Batch 2026
Visit theseep.org & Apply

IITian बेटी योजना™
(Under MOU/2025-26/19635)
Higher & Technical Education , GoR

Along With Second Degree
B.Tech. in CSE / **BSc** (CS)
Jayoti Vidyapeeth Women's University

4 Year
Fulltime UG Degree

Offline
University Campus

Up to 100%
Scholarships

Vision Statement

To build a generation of

FUTURE-READY, EMPLOYABLE, AND GLOBALLY COMPETENT YOUTH

by transforming education into a tool of empowerment.

Through guided mentorship, academic excellence, and skill-based learning, The SEEP envisions making quality higher education accessible to every deserving student, beyond geographical and financial boundaries.

BATCH 1

Turning Dreams into Degrees
Record **96%** The SEEP Students Enrolled in **IIT UG Degree**
Batch September 2025

Mission Statement

1. To provide comprehensive academic mentorship that bridges school learning with **IIT-level education and global career opportunities.**
2. To empower students through **offline classroom learning,** digital literacy, and **industry-aligned skill development**.
3. To promote inclusive participation by ensuring equal opportunities for girls and rural students under initiatives like IITian Beti Yojana.
4. To support students in achieving **academic excellence, employability, and ethical leadership in line with NEP-2020.**
5. To create a lifelong ecosystem of **mentorship, innovation, and social responsibility, connecting education with nation-building.**

Developed India Mission 2047

Transforming India through

World-Class IIT–IIM Education.

Implementation under NEP-2020 Guidelines

The SEEP Initiative operates entirely within the framework of the **National Education Policy (NEP) 2020.** Every component of the program—

Academic Design,

Skill Development,

Mentorship, and **Assessment**—

is aligned with NEP-2020's vision of **holistic, flexible, and multidisciplinary education** to prepare students for future-ready careers.

IITian बेटियां लिखेंगी **"विकसित भारत –2047"** की कहानी

IITian बेटी योजना ®

▌ IITian बेटी, राष्ट्र की तकनीकी शक्ति

4 वर्षीय IIT BS डिग्री के लिए 100% तक छात्रवृत्ति योजना

IITian Beti Yojana

A Multi-layered Educational and Social Impact Initiative

Actual Photo @ The Campus.

The "IITian Beti Yojana" is actively aligning with the nation's major educational, social, and technological policies, creating a multi-dimensional impact. This initiative is not merely a pathway for girls to reach premier institutions like IITs, but also serves as a foundation for a policy-supported social revolution.

Alignment with the National Education Policy (NEP) 2020
The IITian Beti Yojana embodies the five core pillars of NEP 2020 — Equity, Quality, Access, Affordability, and Accountability. It promotes inclusive participation, technology-enabled learning, and lifelong education.

In Accordance with UGC, IIT Council, and Technical Institutions' Guidelines The scheme aims to increase the percentage of female enrollment in India's top technical institutions, including the IITs. It works in alignment with the Diversity Enhancement Targets set by IITs.

Contribution to Atmanirbhar Bharat and Digital India Mission
The program equips girl students with skills in emerging domains such as Artificial Intelligence, Machine Learning, Robotics, Cloud Computing, and Cyber Security — expanding the vision of digital empowerment.

IITian बेटी योजना
हर पंचायत "IITian बेटी"

Overview of the IITM BS in Data Science and Applications

What It Is-

- The **IIT Madras Bachelor of Science (BS) Degree in Data Science and Applications** is a four-year full-time, regular degree program designed and delivered by the Indian Institute of Technology Madras, one of India's premier institutions. **IIT Madras NIRF RANK # 1**

- **This BS Degree is a regular, full-fledged IIT degree, equivalent in academic value and recognition to any other four-year degree (such as BTech) awarded by IIT Madras.**

IIT Madras   -   NIRF # 1

Bachelor of Science (BS)
in Data Science and Applications
4 Year - Regular Degree Program
Equivalent in Academic Value to IIT BTech Degree

Symbolizing True IIT Status

The IITM BS degree is officially conferred by IIT Madras during its **convocation ceremony** held on the IIT Madras campus, ensuring the same prestige, status, and institutional backing as all on-campus IIT degrees.
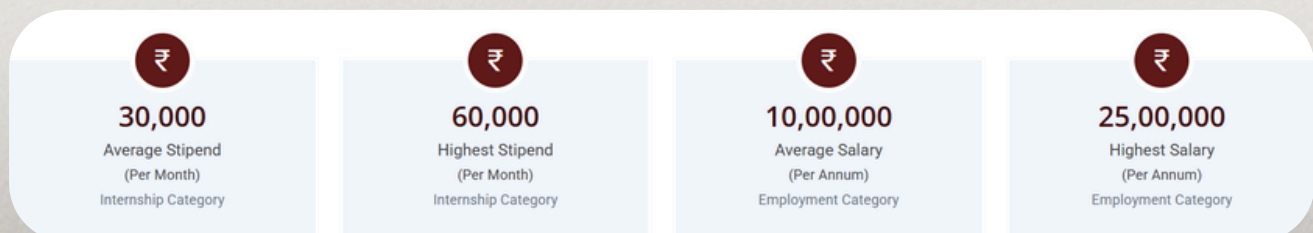

IITM BS Degree & Diploma Convocation Ceremony @ IITM. Image Source IITM Official Portal

. Internship & Placement Opportunities

- **IIT Madras provides exclusive internship opportunities to BS students through its official internship cell, connecting them with industry partners, research organizations, and startups.**
- **Upon successful completion, students are eligible for placement opportunities through the IIT Madras Placement Cell, the same system that supports on-campus IIT students.**

For detailed insights into IIT Madras' placement statistics, internship programs, and career opportunities, visit the official IITM portal: 🌐 **placements.study.iitm.ac.in**

Key Statistical Insights

₹ 30,000	₹ 60,000	₹ 10,00,000	₹ 25,00,000
Average Stipend (Per Month) Internship Category	Highest Stipend (Per Month) Internship Category	Average Salary (Per Annum) Employment Category	Highest Salary (Per Annum) Employment Category

Other Offerings of IIT Madras for BS Degree Students

- ## 👩‍🏫 TAShip — Teaching Assistantship

Students who demonstrate strong academic performance and subject understanding may be selected as Teaching Assistants (TAs).

They work closely with IITM faculty, assist in course delivery, help peers in learning, and support academic operations — all while earning a stipend.

This experience strengthens their teaching, communication, and leadership skills — valuable assets for academic or corporate careers.

- ## 🔬 RAShip — Research Assistantship

Students with a keen interest in innovation and research can apply for Research Assistantships (RAs) under IIT Madras faculty. Through these projects, students get the opportunity to explore real-world problems, contribute to cutting-edge research, and develop analytical and problem-solving skills.

RAShips often open doors to publications, higher research opportunities, and global collaborations.

- ## 🏅 LORs — Letters of Recommendation

Outstanding students often earn Letters of Recommendation (LORs) from IIT Madras professors based on their performance, dedication, and contribution.

An IITM LOR carries exceptional credibility worldwide and significantly enhances a student's profile for foreign university admissions, scholarships, internships, and professional placements.

IITM BS Graduates: Access to IITM's Alumni Network, Research Ecosystem & Industry Collaborations.

The IIT BS Degree in Data Science and Applications not only provides a world-class academic experience but also opens doors to a lifelong professional advantage through IITM's powerful networks and partnerships. Upon graduation, students officially become part of the IIT Madras alumni community, one of the most respected and influential networks in India and abroad.

1. Alumni Network

Graduates join a global community of IITM alumni across 70+ countries.

They gain lifelong access to mentorship, networking, and collaboration through alumni chapters that support startups, internships, and research initiatives worldwide.

2. Research Ecosystem

Students benefit from IIT Madras's cutting-edge research culture in AI, Machine Learning, and Sustainable Technologies. They can participate in faculty-led projects, innovation labs, and easily transition into postgraduate or research programs at IITs or abroad.

3. Industry Collaborations

Through IITM's partnerships with Google, Amazon, Microsoft, TCS, Infosys, and others, students engage in industry projects, internships, and case studies. With access to the IITM Research Park and Centre for Innovation, graduates are empowered to build careers in data analytics, technology, and entrepreneurship.

Opportunities in Higher Education After BS

Graduates of the IITM BS program enjoy exceptional opportunities for higher studies in India and abroad. The degree is globally recognized, allowing graduates to pursue Master's (MTech / MS) and Ph.D. programs in IITs, NITs, IISc, top international and national universities in fields such as Computer Science, Data Analytics, Data Science, Software Engineering Artificial Intelligence, Machine Learning, Economics, and Management.
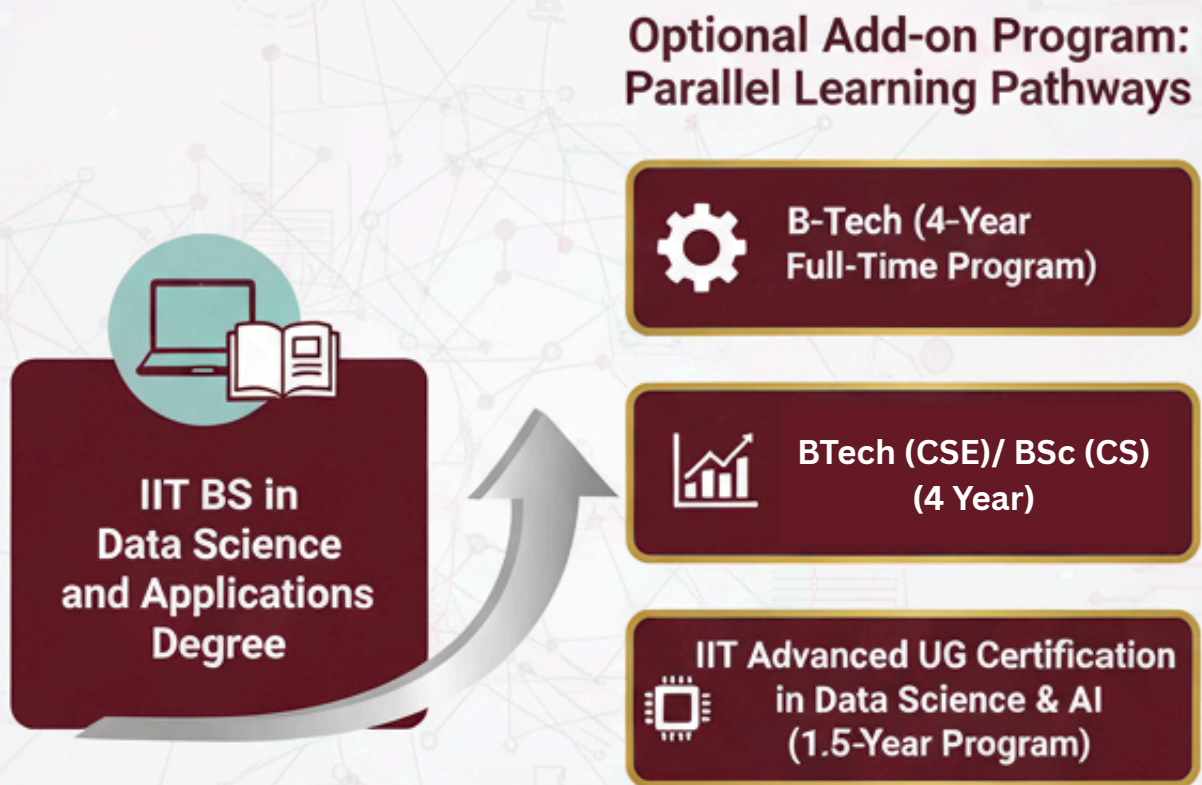
Students who achieve a CGPA of 8.0 or above in the IIT Madras BS in Data Science and Applications program are eligible for direct admission to M.Tech programs at various IITs — without the requirement of GATE.

"In the next five years, international universities — including the Ivy League — will be flooded with IITM BS graduates pursuing higher education and research."

— Director, IIT Madras
(Address at IITM Event, 2025)

Dual Academic Advantage System under The SEEP Program

Optional Add-on Program: Parallel Learning Pathways

IIT BS in Data Science and Applications Degree

- B-Tech (4-Year Full-Time Program)
- BTech (CSE)/ BSc (CS) (4 Year)
- IIT Advanced UG Certification in Data Science & AI (1.5-Year Program)

Students are free to choose whether to pursue only the IIT BS Degree or combine it with an on-campus program — providing customized academic pathways based on individual goals.

Strengthen Your Academic & Career Foundation

(Note: **These are optional and not mandatory.** Students may continue with only the IIT BS Degree and fully concentrate on Standalone IIT BS with all campus facilities and fulltime offline classroom learning.)

BS Degree Structure (4 Levels)

Students who complete the full 4-year BS Degree with a minimum CGPA of 8.0 or above ➤ **Become directly eligible for admission to M.Tech programs at various IITs (without GATE exam).**

📊 **End with a major project or internship / placement.**

4th — BS Degree (Hons.) Level
Goal: Specialize and do industry-level projects or research. Options for Specialization / Electives:
- AI & Machine Learning
- Finance & Economics Analytics
- Business and Decision Analytics
- Web and App Development
- Social Science & Policy Analytics

3rd — BSc Degree Level
Goal: Apply Data Science in real-world domains.
Main Subjects:
- Application Development/ Software Programing
- Big Data & Cloud Computing
- Advanced Machine Learning
- Business Analytics
- Artificial Intelligence Applications

2nd — Diploma Level: Programing & Data Science
Goal: Learn core data science and programming concepts. Main Subjects:
- Machine Learning Foundations
- Data Structures & Algorithms
- Business Data Management
- Introduction to Deep Learning
- Data Visualization & Storytelling

1st — Foundation Level
Goal: Build basic skills in math, logic, and coding.
Main Subjects:
- English & Computational Thinking
- Mathematics for Data Science
- Statistics for Data Science
- Python Programming
- Tools for Data Science (SQL, Git, etc.)

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Career Profiles After Completing IIT BS

The IIT Advantage creates a perfect launchpad — from a solid **IIT Foundation** to advanced modern career edge with global research and innovation opportunities.

Core Data Science & AI Roles

- Data Scientist
- Machine Learning Engineer
- AI Research Assistant / Engineer

Analytics & Business Intelligence

- Business Analyst
- Operations Analyst
- Data Analyst
- Operations Analyst

Software & Product Development

- Full-Stack Developer
- Product Analyst / Developer

Finance, Economics & Research

- Financial Data Analyst
- Econometrics / Policy Analyst
- Econmetrics / Policy Analyst
- Research Associate

Emerging & Interdsipllencary Roles

- AI Consultant / Data Strategy Advisor
- Higher Education & Research Abroad

After completing the IIT Madras BS Degree, students can seamlessly continue their higher academic journey

M.Tech / MS at IITs: Students with a CGPA of 8.0 or above are eligible for direct admission to IIT Madras or other IITs — **no GATE required.**

MS / PhD Abroad: Graduates are highly preferred by top international, national universities — for Master's and Doctoral programs in Data Science, Artificial Intelligence, and related fields.

Academic Support by The SEEP

1. **Full-Time** Academic Learning

2. **Offline** Residential Learning Program

3. **Residential Campus** Facilities (Hostel, Mess, Library, Labs, etc.)

Full-Time Academic Learning

The SEEP Program provides full-time academic learning and support to The SEEP shortlisted student enrolled in the IIT Madras BS in Data Science and Applications. It ensures that each learner not only completes the degree successfully but also builds the skills, confidence, and vision to excel in higher education and global careers.

1. Integrated & Comprehensive Learning

The SEEP blends IITM's online curriculum with offline academic learning in a structured university environment.
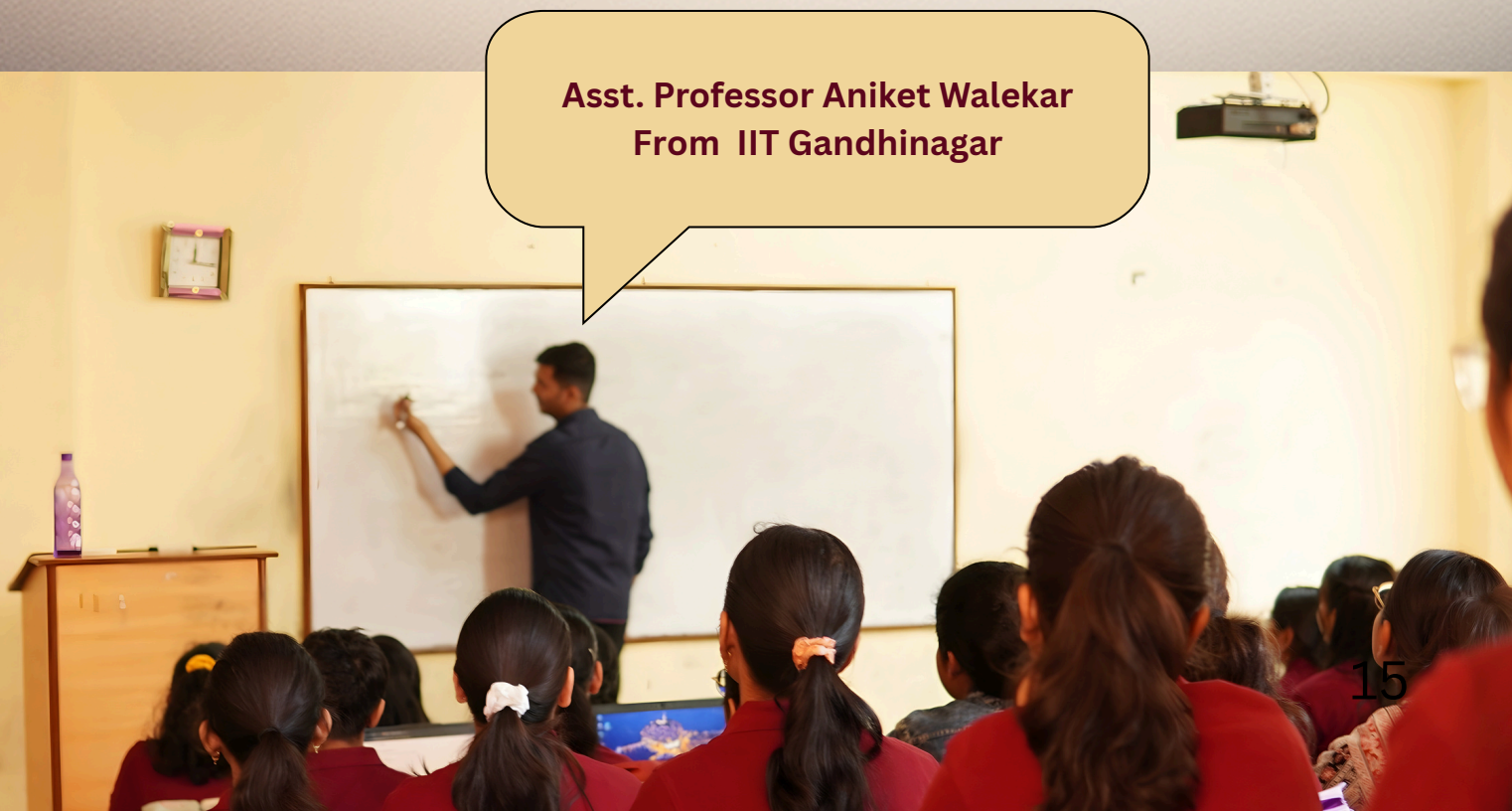
- **Daily classes,** weekly tutorials, and revision sessions.
- **Hands-on assignments,** practice tests, and peer learning.
- **Continuous guidance** from dedicated faculty and campus coordinators.

2. Academic Guidance at Every Stage

Students receive continuous mentorship throughout the program.

- **Teaching By Expert Faculty**: Instructors from IITs, NITs, and IIITs simplify complex topics & BS curriculum.
- **Concept Clarity**: Regular doubt-solving sessions build deep understanding and academic confidence.

Asst. Professor Aniket Walekar From IIT Gandhinagar

The SEEP is an Offline Residential Learning Program

The SEEP Program offers a unique Offline Residential Learning Experience for students enrolled in the IIT Madras BS Degree in Data Science and Applications. This program follows the flexibility of IITM's Hybrid education with the discipline, structure, and peer learning environment of a full-time university / college campus.

Structured University Environment

Students live and learn in a dedicated residential campus equipped with academic, recreational, and professional development facilities.

- Classroom Learning, computer labs, and digital learning spaces.
- Hostel, mess, gym, library, yoga, and indoor–outdoor sports facilities.
- Mentors, wardens, and coordinators ensure academic discipline and personal well-being.
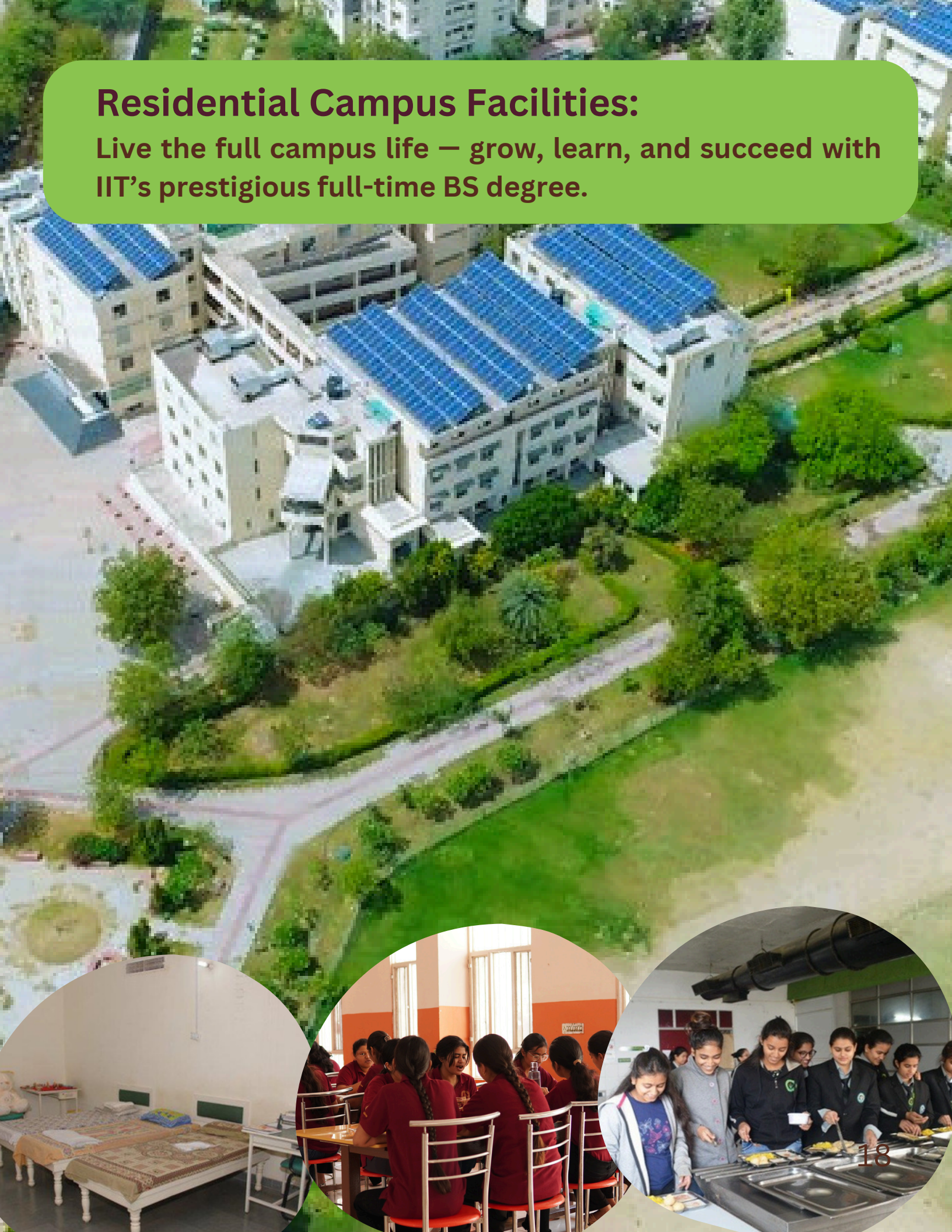
Freshers Party - Batch 2025

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Residential Campus Facilities
(Library, Labs, Sports , Hackathons Tech Conferences etc.)

Residential Campus Facilities:
Live the full campus life — grow, learn, and succeed with IIT's prestigious full-time BS degree.

Administrative Framework

1. Admission Procedure & Eligibility

2. Document Requirements and Verification

3. Scholarships & Financial Aid Support

4. Study Material, Attendance & Progress Monitoring.

Admission Eligibility & Procedure

Eligibility Criteria

The SEEP Program welcomes applications from motivated students who demonstrate academic potential, discipline, and a strong desire to pursue higher education opportunities. (Portal : ***https://theseep.org***)

To be eligible for enrollment under the SEEP Program, applicants must meet the following criteria:

Academic Qualification:

- Students must be enrolled in or have completed **12th Class / Diploma** from a recognized school board / university.
- Applicants must maintain a minimum of **60% aggregate marks** in their latest qualifying examination.

Stream Flexibility:

- Students from any stream **(Science, Commerce, or Humanities)** are eligible to apply.
- However, applicants must show a strong career interest in Computer Science, Data Science, or related fields such as Artificial Intelligence, Machine Learning, Statistics or Computational Mathematics.

Aptitude Requirement:

- Applicants should exhibit strong **logical thinking and curiosity**. This aptitude is essential for success in IITM BS Degree, as it emphasizes practical learning, problem-solving, and industry-oriented applications.

Gender-Specific Schemes:

- Special scholarships, such as the IITian Beti Yojana, are available for girl students, covering the complete fee for the IIT Madras BS in Data Science & Applications Degree Program under SEEP.

Document Requirements and Verification

Mandatory Documents
1. Recent Passport Size Photographs (4 copies)
2. Aadhaar Card (Photocopy)
3. Class 10 Mark Sheets (Photocopy)
4. Class 12 Mark Sheets (Photocopy) (If passed)
5. Transfer Certificate (TC) or School Leaving Certificate
6. Migration Certificate
7. Character Certificate
8. **Caste Certificate** (if applicable:- OBC-NCL/ EWS/SC/ST)
9. **Income Certificate** (if applicable)

Important Notes

- **For Scholarship Applicants:**
  - Document No. 8 (Caste Certificate) and No. 9 (Income Certificate) are mandatory for scholarship processing.
- **Timeline for Submission:**
  - Document No. 1, 2, 3, & 4 must be submitted at the primary stage of selection.
  - Document No. 5, 6 & 7 must be submitted within 45 days of final enrollment.
- Students are advised to retain photocopies of all submitted documents for their personal record.
- Any false or incomplete documentation may result in the cancellation of admission or scholarship benefits.

Scholarships Selection Parameters

The First India Foundation firmly believes that financial limitations should never become a barrier to education.

Scholarship Determination Criteria

Academic Performance	Annual Family Income	Category

Academic Merit

Academic Merit highlights a student's performance and consistent dedication to learning. Scholarship **eligibility is assessed through:**

- **Class 12th Aggregate Marks**
- **Class 10th Mathematics Marks (in Some Cases)**

This ensures recognition of students who demonstrate strong academic foundations and commitment to excellence.

Financial Merit

Financial Merit ensures that students with genuine financial needs receive appropriate support. Scholarships and fee concessions are **determined by:**

- **Annual Family Income**
- **Category**

(As per Govt. -recognized categories: SC / ST / OBC-NCL / EWS)

Check Scholarship Card for Updated Scholarship Options

This ensures a need-based and merit-linked structure, allowing financial support and concessions for deserving students.

Study Material, Attendance & Progress Monitoring.

The SEEP Program ensures that every student receives comprehensive academic support designed to promote discipline, consistency, and measurable progress throughout their educational journey.

Structured Study Material

SEEP provides well-organized study material (Books, Notes, Test Papers, and Learning Modules) that simplifies complex concepts and supports learning. The material is designed to enhance conceptual clarity, analytical thinking, and exam readiness — helping students build a strong academic foundation in every subject.

Regular Attendance for Disciplined Learning

Discipline is at the heart of academic success. The SEEP maintains a strict attendance policy to cultivate regular study habits and classroom engagement. Students are encouraged to participate actively in lectures, discussions, and mentorship sessions to ensure holistic learning and professional growth.
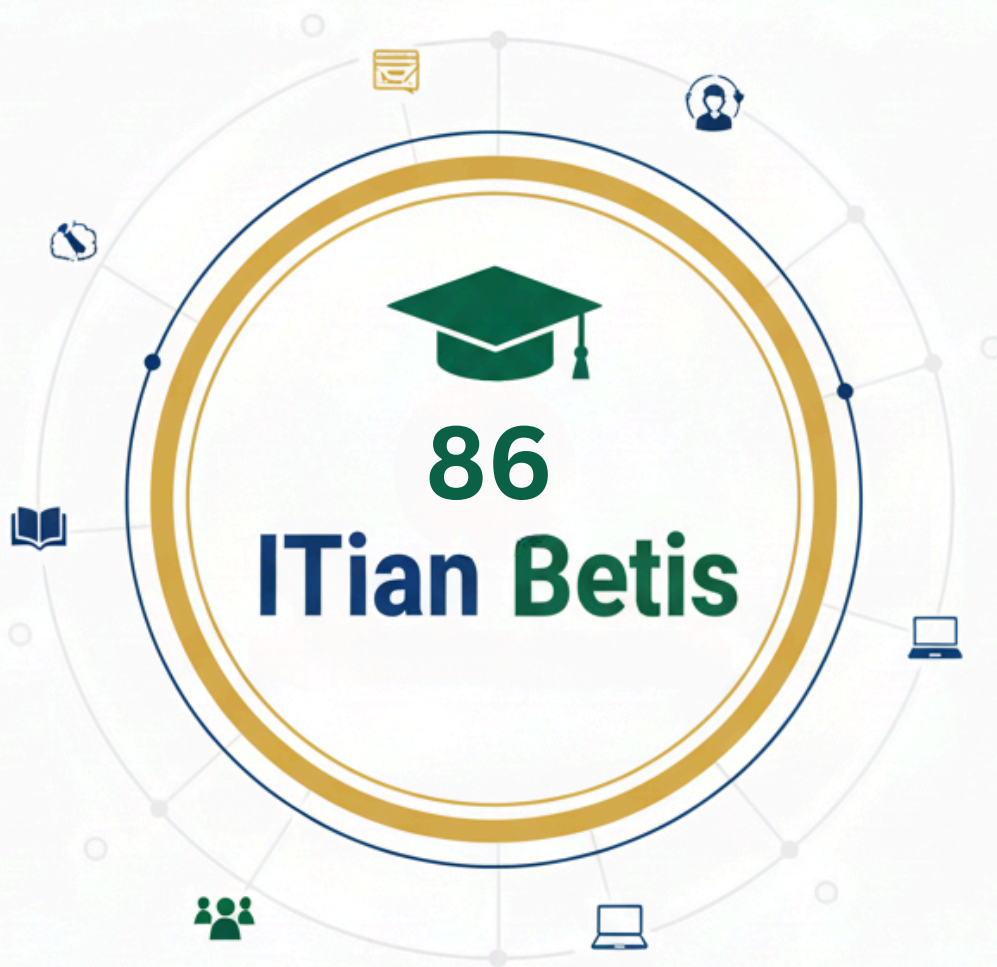
Progress Monitoring & Academic Tracking

The SEEP follows a continuous progress monitoring system to evaluate each student's academic journey. Regular assessments, quizzes, and feedback sessions are conducted to track performance and identify learning gaps.

Through its structured approach, The SEEP guarantees not just academic excellence, but also disciplined learning habits, strong performance, and career success.

A Landmark Achievement in Women's Higher Education

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ITian Betis

Education for Empowernent

An Achievement

in Women's Higher Education

Initiative IITian Beti Yojana

Batch: September 2025

Selected Students: 90 Girls (August 2025)

Total Enrolled in IIT BS Degree: 86 Students

(96% Success Rate)

86 Students pursuing **IIT BS Degree (4 Year) along with**

Additional BTech CSE (Data Science & AI)

BS Degree Placement Report of April 2025 (IITM)

Level	May 2024 Internships	May 2024 Jobs	Sep 2024 Internships	Sep 2024 Jobs	Jan 2025 Internships	Jan 2025 Jobs
Foundation	299	105	380	134	313	108
Diploma	653	205	701	353	462	303
Degree	182	48	156	80	87	60
Total	1134	358	1237	567	862	471

Stipend Per month	STUDENTS WHO TOOK UP INTERNSHIPS May 2024	Sep 2024	Jan 2025	Salary Per annum	STUDENTS WHO TOOK UP NEW JOBS May 2024	Sep 2024	Jan 2025
<10000	0	0	0	<5 LPA	210	349	225
10001-30000	390	373	187	5-10 LPA	90	166	144
30001 - 50000	78	102	50	10-20 LPA	68	105	60
50001 - 100000+	33	35	19	> 20 LPA	29	38	26
Total	501	510	256	Total	397	658	455

25+ LPA
Placement Offers
(Official Data @ IITM Portal)

upto
1,00,000
Per Month Internship Offers (Official Data @ IITM Portal)

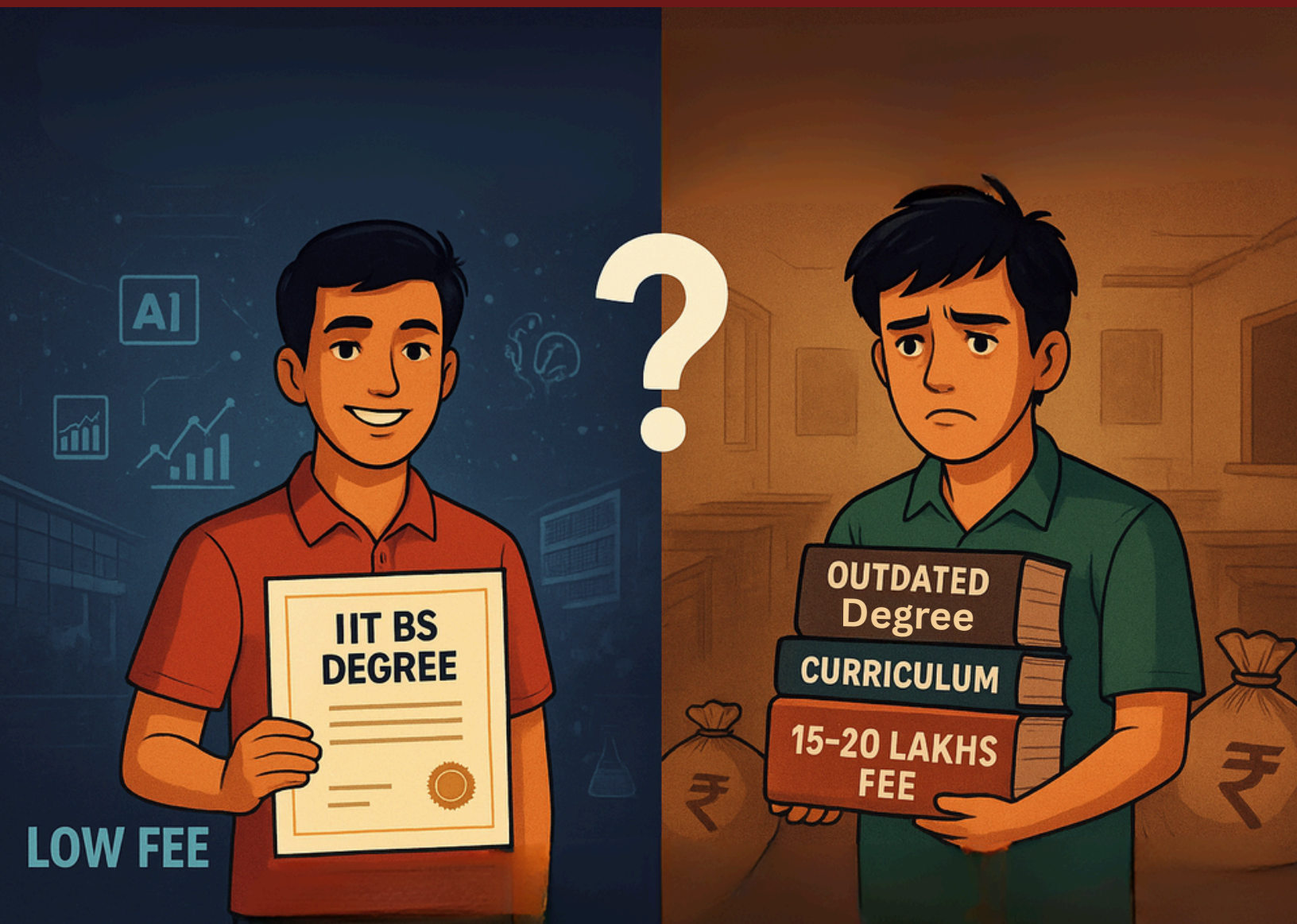## GATE Performance of BS Degree Students (2024)

श्री निखिल चौधरी, जिन्होंने **GATE परीक्षा 2024** में AIR 1 प्राप्त की है, IIT की BS Degree कार्यक्रम से स्नातक हैं।

20+
IITM BS Degree students in Top 100 Ranks of GATE Exam 2024

Live. Earn. Achieve — The IITian Way.

Campus & Nodal Office

Jayoti Vidyapeeth Women's University, Department of Data Science & AI
The SEEP Section, Mahala Jobner Link Road, Jaipur Ajmer Express Way, Jaipur,
Rajasthan -303122. Email:- help@theseep.org
08741999992, 09024444635

Empowered By The SEEP - Gateway to India's Top IITs