

◆ VOICE OF INFORMATION TECHNOLOGY ◆ DEPARTMENT



“The Department of *Information Technology* at *Future Institute of Engineering and Management* firmly believes that technology is the most powerful catalyst for growth and transformation. For our B.Tech students, technology is not only a tool to build skills but also a gateway to creativity, innovation, and problem-solving. It equips students to develop smart solutions, enhances employability, and nurtures leadership in a digital era. By mastering emerging fields like *Artificial Intelligence, Cybersecurity, Cloud Computing, and Data Science*, students can address real-world challenges and contribute to sustainable development. As technology uplifts an individual's knowledge and career, it simultaneously drives national progress by fostering innovation, boosting productivity, and creating opportunities for inclusive growth and global recognition.

—Prof. Prasenjit Basu
Assistant Professor
Department of Information Technology

◆ FACULTY ACHIEVEMENTS ◆

- **Prof. Arindam Sinharay** has been honored with the prestigious NPTEL Star and NPTEL Believer Certificates of Recognition by IIT Kharagpur, in recognition of his exceptional efforts, dedication, and remarkable achievements as an outstanding learner. These awards highlight his consistent pursuit of excellence in online learning and his unwavering commitment to knowledge enhancement, professional growth, and academic development through NPTEL courses. His achievement not only reflects his passion for continuous learning and innovation in education but also serves as an inspiration to fellow faculty members and students alike. This recognition further adds to the department's academic distinction, showcasing Prof. Sinharay's perseverance, hard work, and enthusiasm for exploring new frontiers of knowledge, while setting a benchmark of excellence for the academic community.



- **Prof. Ishani Das** had the privilege of attending the 6-day Short Term (Faculty Development) Programme on “**Blockchain and Cybersecurity for Cyber Threat Prevention**”, organized by the **Malaviya Mission Teacher Training Centre (MMTTC)** at **IIT (ISM) Dhanbad** from **July 7 to July 12, 2025**. She was one of the selected candidates to participate in the offline mode, marking her presence among a highly competitive pool of 111 participants drawn from academic institutions, research organizations, and industry across the country. The inaugural session of the program was graced by eminent dignitaries, including **Prof. Dheeraj Kumar (Deputy Director, IIT ISM)**, **Prof. Mrinalini Pandey (MMTTC Coordinator)**, **Prof. Prabho Partim Roy (Head, CSE-CD)**, **Prof. Nikhil Tripathi**, and senior faculty member **Prof. Arup Kumar Pal**, who also served as the course coordinator.

Throughout the program, Prof. Das actively engaged in expert lectures and sessions focused on encryption techniques, cryptographic frameworks, Blockchain technologies, and secure digital infrastructure, gaining in-depth insights into the convergence of Blockchain and Cybersecurity as a robust framework for safeguarding sensitive data and critical systems from emerging cyber threats. Her successful participation reflects her strong commitment to continuous professional development and her keen interest in advancing knowledge in the domain of cutting-edge digital technologies, thereby enhancing her academic and research endeavors in alignment with the national goal of fostering digital readiness and resilience in cyberspace.



Pic 1
Pic 2
Pic 1 & 2 : Group photo and media coverage (thejsharkhand.co.in) of the 6-day FDP on Blockchain & Cybersecurity at IIT (ISM) Dhanbad, attended by Prof. Ishani Das

🔍 JOB PROSPECTS FOR IT STUDENTS IN THE MODERN AI INDUSTRY

The modern IT industry offers vast and dynamic career opportunities for B.Tech *Information Technology (IT)* graduates. With rapid technological advancements, organizations are increasingly seeking professionals skilled in cutting-edge domains such as *Artificial Intelligence (AI)*, *Machine Learning (ML)*, *Cloud Computing*, *Cybersecurity*, *Data Science*, and the *Internet of Things (IoT)*.

B.Tech IT graduates possess strong foundations in programming, database management, networking, and software development, enabling them to adapt to diverse roles.

In the AI-driven era, job profiles such as Machine Learning Engineer, Data Analyst, Cloud Solutions Architect, Cybersecurity Specialist, and Software Developer are in high demand. The growing focus on automation, data-driven decision-making, and secure systems ensures a continuous need for IT expertise.

From an analytical perspective, the employment landscape is shaped by three key factors:

- (1) **Digital Transformation** - Enterprises are investing heavily in modernizing operations, creating a surge in demand for cloud and AI specialists.
- (2) **Global Connectivity** - Remote and hybrid work models have expanded opportunities for IT professionals across borders.
- (3) **Skill-Based Hiring** - Employers prioritize practical skills, project experience, and adaptability over traditional degrees alone.



Dr. Prosenjit Mukherjee

Industry data indicates that IT job growth is accelerating, with AI-related roles projected to grow by over 20% annually in the next five years.

Salaries for freshers range from 4 - 20 LPA, with specialized skills in AI, cybersecurity, or cloud often commanding higher packages.

In conclusion, the modern IT industry is a thriving ecosystem where B.Tech IT graduates can build rewarding careers by aligning their skills with emerging technologies and staying updated through continuous learning.

With the right blend of technical expertise, problem-solving ability, and adaptability, they can secure a strong position in this competitive yet opportunity-rich field.

-Dr. Prosenjit Mukherjee
HOD & Associate Professor
Department of Information Technology

STUDENT ACHIEVEMENTS



Pic 2.1 : Few glimpses from Esha's performance

Esha Dalal, a talented 2nd-year student of our department, has brought laurels by winning the *Classical Dance Competition*, where performers from various places came together to showcase their artistry and passion. Esha performed an Odissi piece titled *Mallimala Shyamoku Debi*, which was received with great appreciation and stood as a heartfelt tribute to the timeless art form. The event was beautifully organized by **Utkala**, the Cultural Wing of Shri Jagannath Seva Samity, Khidderpur, in association with the Kolkata Mayur Lalit Dance Academy, providing a platform for young artists to express their creativity and talent. Her remarkable achievement reflects not only her dedication to the classical art form but also serves as an inspiration to her peers. The department proudly congratulates Esha for this recognition and wishes her continued success in her artistic and academic journey.

Susneha Ghosh, a bright 4th-year student of our department, has successfully completed the "Cybersecurity Analyst Job Simulation" offered by **TATA through Forge**, earning her Certificate of Completion on July 19th, 2025. This virtual job simulation provided her with practical exposure to key aspects of cybersecurity, including threat detection, risk analysis, and strategies for safeguarding digital infrastructure against cyberattacks. By engaging in this industry-relevant Program, Susneha has strengthened her technical expertise and problem-solving skills in one of the most critical domains of the digital era. The department congratulates her on this achievement and wishes her continued success in her professional journey.



Pic 2.2 : Certificate awarded to Susneha Ghosh

RESULT ANALYSIS

The department is proud to announce the outstanding academic performance of its students in the 1st Year Final examinations. **Saheli Chatterjee** secured a commendable YGPA of 8.76, while **Surajit Das** and **Debrup Das** achieved impressive scores of 8.12 and 8.11, respectively. Their consistent dedication and hard work have led to these excellent results, bringing pride to the department. We congratulate them on their achievements and wish them continued success in their academic journey.



Pic 3.1 : 1st Year Rank Holders



The department is delighted to share the excellent academic achievements of its students in the **2nd Year** Final examinations. **Sahina Khatun** secured a remarkable **YGPA of 8.74**, closely followed by **Madhurima Dutta** with **8.72** and **Deepanshu Singh** with **8.70**. Their hard work, dedication, and consistent performance have brought pride to the department. We warmly congratulate them on their success and wish them continued excellence in their academic journey.

The department is pleased to announce the commendable academic performance of its students in the **3rd Year** Final examinations. **Adarsha Bairagi** secured an outstanding **YGPA of 8.83**, followed by **Om Prakash Roy** with **8.63** and **Prithwish Hazra** with **8.54**. Their consistent dedication and hard work have resulted in these impressive achievements, bringing laurels to the department. We congratulate them on their success and wish them the very best for their future academic and professional pursuits



The department proudly acknowledges the remarkable academic achievements of its students in the **4th Year** Final examinations. **Tania Acharya** secured an exceptional **YGPA of 9.36**, followed by **Pritam Bal** and **Srinjoy Ghosh**, both with an impressive **9.27**, while **Debjit Roy** achieved a commendable **9.00**. Their outstanding performances are a testament to their dedication, perseverance, and academic excellence. The department congratulates them on their success and extends best wishes for their future endeavors in higher studies and professional careers.

UPCOMING EVENT

Prof. Arindam Sinharay, ACM Local Chapter Teacher Coordinator, is set to play a key role in conducting the upcoming Alumni Connect Tech Talks, scheduled for the month of August. This initiative aims to strengthen the bond between alumni and current students by creating a platform for knowledge exchange and mentorship. We are also delighted to share that **Suman Halder (2007-2011)**, a student of our department, will be an active participant in this event, gaining the opportunity to interact with alumni and learn from their professional experiences in diverse technical domains. Such initiatives not only enrich the academic environment of the department but also inspire students to envision their future pathways with greater clarity and confidence.

Thanks for Reading...

Newsletter of Information Technology

Editorial Board members

Madhurima Dutta (2023-2027) , Sahina khatun (2023-2027)

Advisory Board Member

Prof. Ishani Das

Connecting You to the Department of
Information Technology

For Queries and Support, Reach Out to Us :

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