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DEPARTMENT OF INFORMATION TECHNOLOGY

IT INSIGHTS

Where Information Meets Illumination...



Voice of IT Department



The Department of Information Technology, FIEM, established in 2007, continues to uphold a tradition of excellence in technical education and holistic development. With a strong undergraduate program, the department is supported by a team of dedicated faculty members and state-of-the-art laboratories that promote learning through hands-on experience. The curriculum emphasizes emerging domains such as *Artificial Intelligence*, *Internet of Things (IoT)*, and *Data Analytics*, preparing students to excel in a rapidly evolving technological world. The department actively encourages *research*, *innovation*, and *leadership* through professional societies like *IEEE* and *ACM*, as well as through its signature events such as *Prastuti*, *Prakaushal*, *CodeExcellence*, and *Technical Quiz*. These initiatives not only strengthen technical expertise but also instill teamwork, creativity, and ethical values, fostering well-rounded professionals equipped for global challenges.



PROF. SUBHASIS MITRA
-Assistant Professor

As we step into the festive month of October, the department extends warm greetings to all students and faculty members. This season of celebration also marks an important academic milestone, and we take this opportunity to wish our 5th and 7th semester students the very best for their upcoming end-semester examinations. May your hard work and determination bring you well-deserved success.

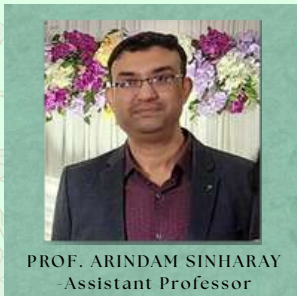
The Department of Information Technology wishes everyone a joyful festive season and a successful academic journey ahead.



- Prof. Subhasis Mitra
Assistant Professor
Department of Information Technology



Quantum-Classical Hybrid Computing: A New Frontier



PROF. ARINDAM SINHARAY
-Assistant Professor

Quantum-classical hybrid computing has emerged as one of the most promising frontiers in computer science and quantum technology. In this approach, quantum and classical systems collaborate to solve problems that neither can efficiently address alone. While quantum computers excel at tasks involving *superposition and entanglement*, classical systems manage optimization, control, and data processing.

The motivation for this hybrid model arises from the current *Noisy Intermediate-Scale Quantum (NISQ)* era, where quantum processors contain only a few hundred qubits and are susceptible to noise and decoherence.



Lead Organizer Indrajit Ari remarked, "*HackSpire 2025 was more than a hackathon—it was a movement of innovation, mentorship, and teamwork*"

HackSpire 2025 reaffirmed FIEM's reputation as a center of technological excellence and innovation, inspiring students to collaborate, ideate, and create solutions that make a real difference.

Alumni Excellence Felicitation and Talk: "TECHPRENEUR TRIUMPH"



Fig: Few Glimpses of
"TECHPRENEUR TRIUMPH"

On 16th October 2025, the Department of Information Technology, Future Institute of Engineering and Management (FIEM), successfully organized the Alumni Excellence Felicitation and Talk titled "**TECHPRENEUR TRIUMPH**", to honor the distinguished alumnus *Mr. Aditya Sharma*, from the *Batch of 2019–2023*.

The event, held at S.G. Hall, was graced by the esteemed presence of *Dr. Aloke Kumar Ghosh* (Executive Director), *Dr. Anirban Chakrabarty* (Principal, FIEM), and *Dr. Sajal Kumar Giri* (Registrar), whose support and guidance added great significance to the occasion.

During the session, *Mr. Sharma* delivered an inspiring keynote address, sharing insights from his professional journey and entrepreneurial ventures. His talk offered students a glimpse into the challenges and opportunities of the tech industry, motivating them to embrace innovation, perseverance, and creative problem-solving.

The event stood as a testament to FIEM's continuous commitment to celebrating alumni excellence and nurturing a culture of lifelong learning. It served as a reminder of the strong bond between the department and its alumni community where success stories inspire the next generation of technologists and innovators.



IBM Skill Build Non-Livelihood Program at FIEM

The Department of Information Technology in collaboration with the Department of Basic Science successfully organized the **IBM Skill Build Non-Livelihood Program** at the Future Institute of Engineering and Management (FIEM) campus. This impactful initiative was designed to empower first-year students with essential *digital and professional competencies* aligned with evolving industry standards.

The event, held on *16th October 2025* at the Main Auditorium, focused on the transformative potential of *Artificial Intelligence (AI)*. The session introduced students to IBM's globally recognized Skill Build platform, offering valuable insights into foundational AI concepts while enhancing their understanding of digital literacy, communication, and career readiness.



Fig: IBM Skill Build Non-
Livelihood Program

Achievement in Dance:

A Moment of Pride for the IT Department



Fig: Esha Dalal performance in Utsang'25

The Department of Information Technology proudly congratulates Ms. Esha Dalal, a 2nd-year student, for securing **First Place** in **Utsang'25**, a flagship event under *Taal Tarang 2.0*, organized by the *Heritage Institute of Technology (HITK)* in collaboration with *Chungroo*, the official eastern dance club of HITK, on 31st October 2025. Esha impressed the audience with her self-choreographed Odissi performance themed on women empowerment, standing out among 30+ talented participants. Her success highlights both her artistic brilliance and the IT Department's commitment to fostering holistic growth by encouraging creativity alongside technical excellence. The department extends heartfelt congratulations to Esha Dalal for bringing pride and honor to FIEM.

Upcoming Event

The Department of Information Technology is pleased to announce an upcoming *One-Day Python Workshop* in collaboration with *Ardent Computech Pvt. Ltd.* for 1st and 2nd-year students. The workshop aims to introduce participants to the fundamentals of Python programming through interactive, hands-on sessions. Students will gain practical insights into Python's applications in areas such as Data Science, Artificial Intelligence, and Web Development. This initiative reflects the department's continued focus on fostering industry-relevant skills and enhancing students' technical proficiency from the early stages of their academic journey.

NEWSLETTER OF INFORMATION TECHNOLOGY

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