

Five Day FDP on "Digital Forensics Investigation & Incident Response" (3rd - 7th March 2025)" under the ISEA Project Phase-III (MeitY) organized by GTU- School of Engineering and Technology.

Date: March 3 - 7, 2025

About the FDP

Faculty members need to be prepared enough by a faculty development program (FDP) to deal with the rapid changes and shifting paradigms in technical education. As more information and knowledge a teacher has, the more he/she can spread among the student community. Keeping this as a mission, GTU always tries to organize Faculty Development Programs (FDP) for the teachers of colleges, Research Scholars & P.H.D scholars. One of such FDP is going to be organized by GTU- School of Engineering and Technology and GTU-PG Research Centre for Digital Forensics Investigation & Incident Response during March 3 - 7, 2025 at GTU-Chandkheda Campus. The theme of this particular FDP is "Digital Forensics Investigation & Incident Response" under Information Security Education and Awareness (ISEA) Project III where eminent experts from [RRU, ISRO, ADANI GREEN ENERGY, PELORUS TECHNOLOGIES] was share their practical knowledge and experiences about Digital Forensics Investigation & Incident Response with hands-on practices.

This FDP is the joint venture between academia and industry. The objective is to cover both the conceptual as well as application aspects of Digital Forensics. This includes the fundamental design and architectural primitives of Digital Forensics, the system and the security aspects, along with various use cases from different application domains of Digital Forensics.

Topics Covered in the FDP:

- Introduction to Digital Forensics – Fundamentals & Types
- Memory Forensics & Anti Forensics Techniques
- Importance of Digital Evidence
- Case Study- Digital Evidence
- Introduction to Mobile Forensics & Extraction methods in Mobile Forensics
- Hands-On UFED
- Introduction to Network Forensics
- Hands-On Threat Hunting platforms& Network Forensics with AI
- Case Study for Law Enforcement Agency

No. of participants: More than 70 participants from various national and international Level organizations/universities/institutes.

Event Outcome:

At the end of this event, participants were able to,

- Understand the concepts of Digital Forensics and security threats.
- Enhance the skill in malware analysis with hands-on practice.
- Learn the importance & the investigation mechanism.
- Importance of Mobile Forensics & Extraction methods in Mobile Forensics
- Learn the Case Study for Law Enforcement Agency

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