

Research and Skill Development Programme (RSDP) on “AI in Cyber Security and Forensic Science”

Date – 15-17, September, 2025

Duration: 3 Days

Audience: Academicians, Govt. Professionals, Industry Professionals and Research Scholars

Format: Expert Talks, Hands-on Sessions, and Interactive Discussions

Mode: Hybrid

About Programme

Three-Days Research and Skill Development Programme (RSDP) on "AI in Cyber Security and Forensic Science" aims to equip faculty members, researchers, and professionals with knowledge and insights into the transformative role of Artificial Intelligence (AI) in cyber security and forensic science.

Objectives

1. To introduce participants to the fundamentals of AI and its applications in forensic science.
2. To explore practical case studies and tools used in AI-driven forensic investigations.
3. To discuss ethical considerations and challenges in integrating AI into forensic practices.
4. To facilitate networking and knowledge-sharing among faculty and professionals.

Key Benefits

- RSDP Certificate from National Forensic Sciences University
- Networking Opportunity
- Learn from Domain Experts
- Lab Visits in NFSU Goa campus to explore the well-equipped tools in the field of Cyber Security and Forensic Science

Tentative Schedule

Day 1: Foundations of AI in Cybersecurity and Forensic Science

Time	Session Title	Speaker/Expert
10:30 AM – 11:30 AM	Inauguration & Keynote: The Role of AI in Cybersecurity and Forensic Science	Dr. J. M. Vyas, Hon'ble Vice Chancellor NFSU
11:30 AM- 12:00 PM	Tea Break	
12:00 PM– 1:30 PM	Session 1: Introduction to AI in Cyber Security and Forensic Science	Dr. Ranjit Kolkar, Assistant Professor
01:30 PM- 02:30 PM	Lunch Break	
2:30 PM – 4:00 PM	Session 2: Introduction to AI- Hands-on	Dr. Ranjit Kolkar, Assistant Professor

Day 2: AI Applications in Digital Forensics

Time	Session Title	Speaker/Expert
10:30 AM – 11:30 AM	Session 3: AI based Crime and Investigations	Prof. (Dr.) Naveen Kumar Chaudhary, Director NFSU Goa
11:30 AM- 12:00 PM	Tea Break	
12:00 PM– 1:30 PM	Session 4: Applied Data Science in Cyber Security and Forensic Science	Dr. Jovi D' Silva, Assistant Professor
01:30 PM- 02:30 PM	Lunch Break	
2:30 PM – 4:00 PM	Session 5: Applications of AI tools in Cyber Crime Investigation and Deep Fake Detection	Expert

Day 3: Emerging Trends and Practical Insights

Time	Session Title	Speaker/Expert
10:30 AM – 11:30 AM	Session 6: Deep Learning for Cybercrime Investigations	Dr. Ranjit Kolkar, Assistant Professor
11:30 AM- 12:00 PM	Tea Break	
12:00 PM– 1:30 PM	Session 7: Ethics in AI for Criminal Justice System	Prof. (Dr.) Naveen Kumar Chaudhary, Director NFSU Goa
01:30 PM- 02:30 PM	Lunch Break	
2:30 PM – 4:00 PM	Panel Discussion on Future of AI in Cybersecurity and Forensic Science	Expert Pandits

Outcomes Expected:

- Insights into the application of AI and Data Science in Cyber security and Forensic Science.

Understand the integration of AI in cybersecurity and forensics.

- Gain hands-on experience with AI tools and datasets.
- Encourage interdisciplinary research and curriculum development.

Registration Fees:

(includes – Pen, Notepad, Tea and Lunch)

Academician/ Govt. Professionals	INR 1000
Research Scholars	INR 500
Online Participants	INR 500
Industry Professionals	INR 1500
International Participants	\$25

Note: Registration fee does not include the accommodation.

Registration Link

<https://forms.gle/ajJs932f9EbnXm1W9>

