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

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| **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

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| **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

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| **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)

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| 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>