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

**Date – 08-10, September, 2025**

**Duration**: 3 Days

**Audience**: Faculty Members, Researchers, and Industry Professionals

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

**Mode**: Hybrid

# About Program

Three-Day Research and Skills Development Program (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.

# Program 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 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 Forensics

|  |  |  |
| --- | --- | --- |
| Time | Session Title | Speaker/Expert |
| 10:20 AM – 11:30 AM | Inauguration & Keynote: The Role of AI in Cybersecurity and Forensics | Dr. J. M. Vyas, Honorable Vice-chancellor NFSU Gandhinagar |
| 11:45 AM – 1:10 PM | Session 1: Introduction to AI Cyber Security and Forensics | Dr. Ranjit Kolkar |
| 2:30 PM – 4:00 PM | Session 2: Hands On Introduction to AI | Dr. Ranjit Kolkar, Assistant Professor |

# Day 2: AI Applications in Digital Forensics

|  |  |  |
| --- | --- | --- |
| Time | Session Title | Speaker/Expert |
| 10:00 AM – 11:30 AM | Session 3: AI in Crime Scene Management | Dr. Naveen Kumar Choudhary, Director NFSU Goa |
| 11:45 AM – 1:15 PM | Session 4: Applied Data Science in Cyber Security and Forensic Science | Dr. Jovi D’ Silva  Asst. Professor |
| 2:30 PM – 4:00 PM | Session 5: AI Tools and usage | Expert |

# Day 3: Emerging Trends and Practical Insights

|  |  |  |
| --- | --- | --- |
| Time | Session Title | Speaker/Expert |
| 10:00 AM – 11:30 AM | Session 6: Deep Learning for Cybercrime Investigation | Dr. Ranjit Kolkar |
| 11:45 AM – 1:15 PM | Session 7: AI: Ethics, Law, and Responsibility | Dr. Naveen Kumar Choudhary, Director NFSU Goa |
| 2:30 PM – 4:00 PM | Panel Discussion & Valedictory: Future of AI in Cybersecurity and Forensics | Curated Panel Member in the field. |

# Outcomes Expected:

• 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:**

|  |  |
| --- | --- |
| Academician/faculty | INR 500 |
| Research Scholar | INR 250 |
| Online Participants | INR 250 |
| Industry /Professionals | INR 500 |
| International Participants | $25 |

**Expenses- Tentative**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty/ Persons** | **Cost (INR)** | **Per Day** | **3 Days** |
| **Stage Decoration** | Stage setup, floral decoration | 1 | 10,000 |  | 10,000 |
| **Remuneration for Experts** | Honorarium | 2 | 5,000 | 10,000 | 15,000 |
| **Travel- Experts** | travel +accommodation | 2 | 27,000 |  | 54,000 |
| **High Tea (2 Breaks)** | Refreshments (tea, coffee, snacks) | 30 | 50 | 1500 | 4,500 |
| **Certificate** | Certificates print | 30 | 100 |  | 3,000 |
| **Flex, flyer** | Printing | 50 | 10,000 |  | 10,000 |
| **Total** |  |  |  |  | **96,500** |

**Estimated Registration fees collection**

250 X 50 =10,000 (approximate)