Industrial Visit

Title: Use of Artificial Intelligence in Crime Scene Investigation

Venue: National Forensic Sciences University (NFSU), Goa
Duration: 24 January 2026 – 27 January 2026

1. Introduction

Artificial Intelligence (AI) has emerged as a transformative technology in the domain of forensic science and criminal investigations. With the growing complexity of crimes and the exponential rise in digital data, the integration of AI tools in crime scene investigation has become essential. To expose students to these emerging technologies and real-world forensic practices, **VPKBIET, Baramati** organized an industrial visit and academic workshop at the **National Forensic Sciences University (NFSU), Goa**.

A total of **42 students and 3 faculty members** participated in this academic activity, which included expert lectures, interactive sessions, and panel discussions focused on AI-enabled crime investigation techniques.

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2. Objectives of the Visit

The primary objectives of the industrial visit and workshop were:

- To understand the role of **Artificial Intelligence in modern crime scene investigations**
- To gain exposure to **digital forensics tools and techniques**
- To learn about **AI-driven investigation methods and real-world use cases**
- To understand the **ethical, legal, and operational challenges** in AI-based investigations
- To interact with experts, academicians, and law enforcement professionals from NFSU

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3. Travel and Schedule Details

The group departed from **VPKBIET, Baramati** on **23 January 2026 at 9:00 PM** and safely reached **NFSU, Goa** on **24 January 2026 at 10:00 AM**. The visit was well-coordinated and scheduled to ensure maximum academic exposure for the participants.

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4. Academic Sessions and Workshop Details

4.1 Introduction to Digital Forensics

As a part of the academic engagement, an introductory session titled **"Introduction to Digital Forensics"** was conducted on **24 January 2026 at 2:00 PM** at the **Porta Cabin**, NFSU, Goa. The session was arranged and coordinated by **Dr. Ranjit Kolkar**, Workshop Coordinator.

This session provided students with foundational knowledge on:

- Digital evidence and its importance in criminal investigations
- Types of digital crimes and cyber forensics
- Collection, preservation, and analysis of digital evidence
- Role of forensic tools in investigation and prosecution

The session helped students build a strong conceptual understanding of digital forensics as a prerequisite for AI-based investigations.

4.2 Main Workshop: Use of Artificial Intelligence in Crime Scene Investigation

The main one-day offline workshop was conducted on **Tuesday, 27 January 2026**. The workshop focused on the application of **Artificial Intelligence in crime detection, investigation, and forensic analysis**.

Key topics covered during the workshop included:

- **Emerging trends in forensic investigations**
- **Investigation challenges in the era of Artificial Intelligence**
- **AI-driven investigation techniques and use cases**
- Application of AI in pattern recognition, facial recognition, and data analysis
- **Innovations and research initiatives at NFSU** in forensic science and AI

The sessions were interactive and included real-life examples, case studies, and demonstrations, which enhanced the learning experience of the participants.

4.3 Panel Discussion: "AI – A Double-Edged Sword"

A highly informative and engaging panel discussion titled **"AI: A Double-Edged Sword"** was conducted as part of the workshop.

The **Chief Guests** for the panel discussion were:

- **Dr. Mayur Virkar**
- **Shri Rahul Gupta, IPS Officer**

The discussion highlighted:

- Benefits of AI in crime prevention and investigation
- Ethical concerns, data privacy, and bias in AI systems
- Legal challenges and accountability in AI-assisted investigations
- Responsible use of AI by law enforcement agencies

The panel discussion encouraged critical thinking among students and provided a balanced perspective on the advantages and limitations of AI in forensic applications.

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5. Outcomes of the Visit

The workshop and industrial visit were **highly informative and beneficial** for all participants. Students gained:

- Practical insights into AI and digital forensics
- Exposure to real-world forensic investigation challenges
- Understanding of interdisciplinary applications of AI
- Motivation to explore research and careers in forensic science and AI

All participating students and faculty members **successfully completed the workshop and received certificates** from NFSU, Goa.

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6. Faculty Coordinators

The visit and workshop were coordinated by the following faculty members:

- **Dr. Arvind Jagtap**
- **Prof. V. V. Rampurkar**
- **Prof. Gauri Bhelonde**

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7. List of Participating Students

Somit Suresh Kadam, Unnati Dada Bhagwat, Pranjal Hemant Chavan, Gosavi Tejas Prashant, Prachi Govind Jagtap, Mansi Chotaliya, Adesh Kakade, Arya Rahul Bhosale, Janhavi Ghorpade, Harshada Ravindra Sarode, Shashwat Swamirrao Chakre, Tejal Appa Hirave, Aditi Mane, Mahek Gunani, Sakshi Santosh Mane, Anurag Rajendra Jagtap, Nikita Rajendra Kotwal,

Samarth Mantri, Amit Vasekar, Prithvi Bhosale, Pranav Choramale, Prem Kadam, Pranav Anand Jagtap, Rajvardhan Padmasinh Jadhav, Amey Rajendra Jadhav, Jay Balasaheb Gahine, Yashraj Harishchandra Darade, Adesh Dhanaji Kate, Sanika Sandip Gholap, Pranav Rajabhau Jadhawar, Shraddha Mangesh Mandhare, Anushka Vijay Mhetre, Samruddhi Atul Ranmode, Shweta Shirish Pawar, Tanmay Jadhav, Kuldeep Lakhera, Rania Sanadi, Sahil Shivjatak, Ranbeer Reddy, Saee Patil, Yashwant Chandgude, Puru Bhoite.

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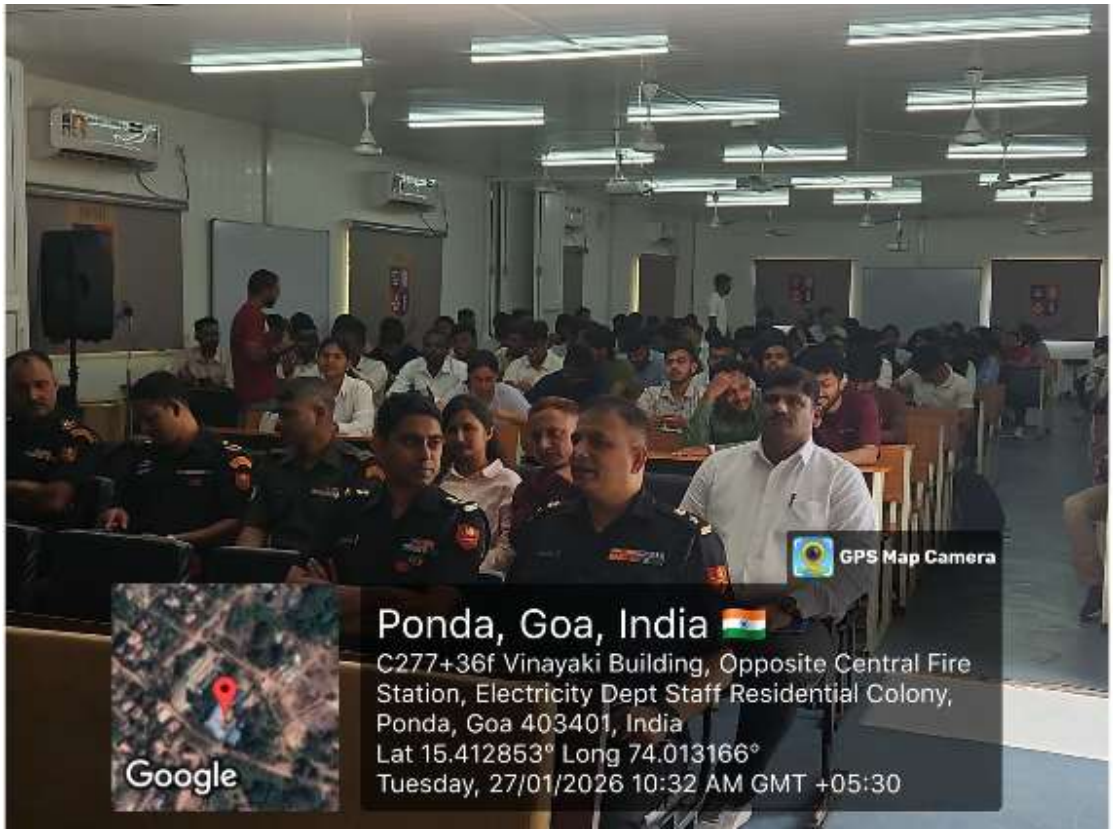
8. Conclusion

The industrial visit and workshop at **National Forensic Sciences University, Goa** successfully achieved its academic objectives. The exposure to AI-driven forensic investigations enriched the students' technical knowledge and broadened their understanding of emerging technologies in criminal justice. The visit proved to be a valuable learning experience and contributed significantly to the overall academic and professional development of the participants.

The photographs below capture key moments and activities of the workshop conducted at NFSU, Goa.

National Forensic Sciences University
Goa Campus
Workshop on
USE OF AI IN CRIME SCENE INVESTIGATION
27th January 2026 NFSU Goa Campus
GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412839° Long 74.013133°
Tuesday, 27/01/2026 10:31 AM GMT +05:30
Google

GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412844° Long 74.01316°
Tuesday, 27/01/2026 10:32 AM GMT +05:30
Google


GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412853° Long 74.013166°
Tuesday, 27/01/2026 10:32 AM GMT +05:30
Google

GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.41286° Long 74.013071°
Tuesday, 27/01/2026 10:38 AM GMT +05:30
Google

GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412847° Long 74.013146°
Tuesday, 27/01/2026 10:43 AM GMT +05:30
Google

GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412849° Long 74.013151°
Tuesday, 27/01/2026 10:44 AM GMT +05:30
Google

NATIONAL FORENSIC SCIENCES UNIVERSITY
National Forensic Sciences University
GPS Map Camera
Ponda, Goa, India
C267+x79 Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412513° Long 74.013216°
Saturday, 24/01/2026 01:56 PM GMT +05:30
Google

NATIONAL FORENSIC SCIENCES UNIVERSITY
National Forensic Sciences University
DIGITAL FORENSICS
GPS Map Camera
Ponda, Goa, India
C267+x79 Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412511° Long 74.01322°
Saturday, 24/01/2026 01:55 PM GMT +05:30
Google

GPS Map Camera
Ponda, Goa, India
C277+36f Vinayaki Building, Opposite Central Fire Station, Electricity Dept Staff Residential Colony, Ponda, Goa 403401, India
Lat 15.412771° Long 74.013213°
Saturday, 24/01/2026 01:59 PM GMT +05:30
Google

MINISTRY OF HOME AFFAIRS

National Forensic Sciences University

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Tejal Appa Hirave

for physically attended the workshop on "Use of AI in Crime Scene Investigation" organized by National Forensic Sciences University(NFSU), Goa Campus on 27th January 2026. We sincerely appreciate his/her presence and active participation in the workshop.

Event Coordinator
NFSU Goa campus

Dean, Academics
NFSU Goa campus

MINISTRY OF HOME AFFAIRS

National Forensic Sciences University

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Mahek Gunani

for physically attended the workshop on "Use of AI in Crime Scene Investigation" organized by National Forensic Sciences University(NFSU), Goa Campus on 27th January 2026. We sincerely appreciate his/her presence and active participation in the workshop.

Event Coordinator
NFSU Goa campus

Dean, Academics
NFSU Goa campus

MINISTRY OF HOME AFFAIRS

National Forensic Sciences University

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Anurag Jagtap

for physically attended the workshop on "Use of AI in Crime Scene Investigation" organized by National Forensic Sciences University(NFSU), Goa Campus on 27th January 2026. We sincerely appreciate his/her presence and active participation in the workshop.

Event Coordinator
NFSU Goa campus

Dean, Academics
NFSU Goa campus

MINISTRY OF HOME AFFAIRS

National Forensic Sciences University

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Samarth Mantri

for physically attended the workshop on "Use of AI in Crime Scene Investigation" organized by National Forensic Sciences University(NFSU), Goa Campus on 27th January 2026. We sincerely appreciate his/her presence and active participation in the workshop.

Event Coordinator
NFSU Goa campus

Dean, Academics
NFSU Goa campus

Industrial Visit Coordinator	HoD	Principal
Mr. V. V. Rampurkar	Dr. Arvind Jagtap	Dr. S. B. Lande

Ms. Gauri Bhelonde