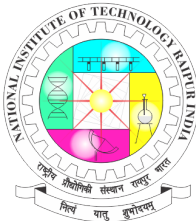




शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



MeitY Sponsored Five-Days High End Workshop on “Intelligent Digital Forensics for Evidence Discovery & Analysis (IDFEDA)” (23rd - 27th February 2026)

Organized by

Department of Computer Science & Engineering



इलेक्ट्रॉनिकी एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY

ABOUT IDFEDA-2026

This workshop would allow the participants to upscale and pursue a career in challenging, adventurous and rewarding field of Cyber Security & Digital Forensics with hands on experience. The proposed program is an instructor-led program that covers essential training on cyber security and digital forensic investigation techniques. The course provides knowledge of real-world scenarios with hands-on experience in case studies to develop Digital Forensic and Incident Response skills. The course delves into the concepts of forensic investigation, security, OSINT tools, autopsy, scalpel, data carving, ML/DL, CNN, RNN concepts that are essential to implement the ML/DL approaches in Digital Forensics for digital evidence discovery, intelligent investigation, Case Studies and Dataset Generation. The proposed program is designed to equip participants and professionals aspiring to learn the application of intelligent methods in cyber security or digital forensic investigation. This is a technical skilling program, essential to launch a professional career in the exciting domain of Cyber Security and Digital Forensics.

ABOUT NIT RAIPUR

National Institute of Technology Raipur (An Autonomous institute of National Importance) fully funded by the Govt. of India. NIT Raipur is located in Raipur, the Capital City of Chhattisgarh State and spread over an area of approx. 100 acres. The institute is 5 km from Raipur railway station and 14 km from airport on NH-6, the Great Eastern Road. NIT Raipur has proven to be “avant-grade” in the field of science and technology over the past few decades in this region. NIT Raipur is ranked 70th in engineering category in India by the NIRF, and it is the highest ranked engineering college in Chhattisgarh. Presently NIT Raipur offers 12 undergraduate, 14 Postgraduate (including M.Sc., M.C.A and M.Tech. in Applied Geology) and 18 Ph.D. programs. The institute offers facilities for research and also undertakes R & D activities, provides testing, consultancy and other extension services including continuing education to the industry through the Industry Institute Interaction cell and the placement of the student through the Department of Training & Placement. The students have brought laurels to the institute and are very well placed in Government organization, Public and Private Sectors, Multinational Companies, Universities, research organizations in India and abroad. More details about NIT Raipur are at: <http://www.nitr.ac.in>

OUTCOMES OF THE COURSE

- ✓ Conduct digital forensic investigations in a forensically sound manner.
- ✓ Perform file system-level analysis and data carving from raw disk images.
- ✓ Use commercial and open-source forensic tools effectively.
- ✓ Apply machine learning and deep learning techniques to forensic problems.
- ✓ Analyze real-world forensic cases and generate forensics relevant datasets.
- ✓ Creating and solving multi-artifacts case studies
- ✓ Identify research and innovation opportunities in digital forensics.

ELIGIBILITY CRITERIA FOR PARTICIPATION

- ✓ UG/PG graduated/pursuing (final/pre-final year) students seeking cyber security skills
- ✓ Ph.D. Scholars from higher education institutions
- ✓ Faculties from technical and academic institutions
- ✓ Govt. Employees/Working Professionals seeking digital forensics skills
- ✓ Any other Digital Forensics & Incident Response enthusiasts

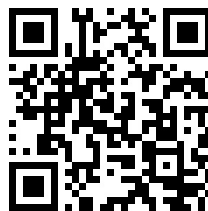
REGISTRATION FORM

Registration Link:

<https://forms.gle/CtPKxh4dBf8UcTTc7>

OR

Scan QR for Submitting Nomination Form



COURSE CONTENTS

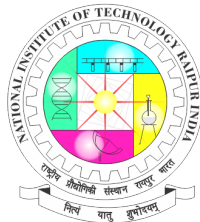
- Digital Forensics: Process, Tools & Techniques and Research Challenges
- Understanding Hard Disks and File Systems (NTFS, FAT, Ext4, etc.)
- Data Acquisition: Imaging and Cloning
- File Systems Forensics Analysis
- Windows and Mac OS Forensics
- Anti-forensics and Anti-anti-forensics
- Internet of Things (IoT) Forensics
- Email and DRONE Forensics
- Password Recovery Tools & Techniques
- Application Forensics
- Agentic AI Browser Forensics
- Approximate Matching
- Sector Hashing
- Random Sector Sampling
- Machine Learning and Deep Learning
- Drive Wiping Tools and Techniques
- File Structure Study and Forensics
- Timeline Reconstruction
- File Type and File Fragment Classification
- Digital Forensics Automation
- Case Studies and Dataset Generation

COURSE TIMELINE & REGISTRATION

Mode of Instruction:	Offline Mode (09:30 AM to 05:30 PM)
Nomination Last Date:	17 th February, 2026
Intimation for Selection:	18 th February 2026
Course Start Date:	23 rd February, 2026
Course End Date:	27 th February, 2026



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CHIEF PATRON

Prof. N.V. Ramana Rao, Director, NITRR

PATRON

Dr. G. P. S. C. Mishra, Dean (R&C), NITRR

CONVENER

Dr. Dilip Singh Sisodia, HoD, Deptt. of CSE

CHAIRMAN

Dr. Pradeep Singh, Department of CSE

ADVISORY COMMITTEE

Prof. Naresh K Nagwani, Department of CSE

CO-ORDINATORS CONTACT DETAILS

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Mobile No.: +91-9765379248
2. **Dr. Aakanksha Sharaff**, Department of CSE, NITRR
Email: asharaff.cs@nitrr.ac.in
Mobile No.: +91-8817813946

WORKSHOP PARTICIPATION

S. No.	Particulars	Nominated and Selected Participants
1	Course Fee	NIL
2	Accommodation and Food	TA/DA will be provided to the participants for attending the workshop.

SPEAKERS

Subject experts of Cyber Security, Digital Forensics and Incident Response may be from IIT, NIT, IIIT, NFSU, CDAC, DRDO and Industry.

NUMBER OF PARTICIPANTS

The number of participants in the course is limited to only 50. Preference will be given to the candidates on first come basis.

CERTIFICATE

Certificate will be provided to all the participants at the end of workshop.

REGISTRATION PROCESS

Submit the online nomination form
<https://forms.gle/CtPKxh4dBf8UcTTc7>

1. Fill the required basic details by nominated candidate
2. Upload the required details while submitting the form
3. Upload valid ID proof (Aadhar/Driving License/ Voter ID/Passport/Employee ID Card/Nomination Letter)
4. Submit the form.
5. Intimation to the selected participants
6. Attending workshop

REGISTRATION FORM

Link to Nomination Form:

<https://forms.gle/CtPKxh4dBf8UcTTc7>

or

Scan QR for Submitting Nomination Form



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EDUCATION



विकसित भारत
अभियान
1947 TO 2047

