Organized by
Electronics & ICT Academy

MNIT Jaipur
http://www.mnit.ac.in/eict

Hybrid mode Programme
on
Malware Analysis

25th Aug – 3rd Sept 2025

Faculty Development Programme
Electronics & ICT Academy under aegis of

Ministry of Electronics and Information Technology Government of India

meity.gov.in/content/schemes-projects

An intensive 40 Hours Training Programme in online mode is being organized for faculty and doctoral students of engineering and technological institutions. It is also open to working professionals from industry/organizations. The main theme of training program will be oriented around exploring the state of the art methods for Malware Analysis. **The programme will be run during 9:00-11:00 AM & 04:00-6:00 PM from 25th August to 3rd Sep 2025.**

Experts/Speakers-

1)	Prof (Dr.) Somanath Tripathy, IIT Patna	10)	Dr. Nitesh K. Bharadwaj, NIT Raipur
2)	Prof. (Dr.) Neminath Hubballi, IIT Indore	11)	Dr. Shweta Sharma, NIT Kurukshetra
3)	Prof. (Dr.) Vijay Laxmi, MNIT Jaipur	12)	Dr. Smita Naval, MNIT Jaipur
4)	Prof (Dr.) Vinod P, CUSAT, Kerala	13)	Dr. Amrit Chhetri, Malware and Forensics Expert
5)	Dr. Saurabh Kumar, IIT Hyderabad	14)	Dr. Vikash Kumar, MNIT Jaipur
6)	Mr. Rohit Shukla, Technical Lead, Footprints	15)	Dr. Hiran V Nath, NIT Calicut
7)	Dr. Meenakshi Tripathi, MNIT Jaipur		
8)	Dr. Pilli Emmanuel Shubhakar, MNIT Jaipur		
9)	Dr. Ramesh Babu Battula, MNIT Jaipur		

Programme Modules:

Module 1: Operational Security & Malware Collection (4 Hours) – Tor, Torsocks, Privoxy, Nepenthes, Dionaea, SQLite, Gnuplot
Module 2: Malware Detection, Classification & Sandboxing (6 Hours) – ClamAV, Custom ClamAV Database, YARA, YARA Capabilities, Multi-AV Scanner, ssdeep, VirusTotal, ThreatExpert, Anubis
Module 3: Threat Intelligence, Static & Dynamic Analysis (8 Hours) – WHOIS, Robtex, DomainTools, Jsunpack, PDF JavaScript, DiStorm, Wireshark, INetSim, Burp Suite, VirtualBox, VMware, Volatility (Basic), Full Sandbox, ZeroWine, QEMU
Module 4: In-Depth Malware Analysis & Forensics (10 Hours) – Runtime artefact tracing, User-mode rootkit hunting, Manual reversing & de-obfuscation
Module 5: Kernel, Memory, and Mobile Malware Analysis (10 Hours) – Kernel-space introspection, Deep RAM forensics, Cross-arch & mobile triage

Programme Coordinator:

Dr. Vikash Kumar   fdp.academy@mnit.ac.in   8442862900 (M)

Registration:
Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate and graduate students from India and rest of the world.
Participants will be admitted on first-come first-served basis. Register online at– (http://online.mnit.ac.in/eict/)

Registration Fee:

Mode of programme	Academia (faculty/Students): India/SAARC/Africa	Others: India/SAARC/Africa	Rest of the world
Online	Rs. 500/-	Rs. 1500/-	US $ 60/-
Classroom	Rs. 2000/-	Rs. 4000/-	--

(A) Fee once paid will not be refunded back.
(B) The fee covers online participation in the programme, tutorial notes and examination, certification charges etc.
(C) The registration amount may be paid through online mode- NEFT/UPI/Cards/SWIFT, provided at the registration portal.
(D) Detailed schedule will be shared after receiving registration form.

→ For queries, email us at fdp.academy@mnit.ac.in

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Chairman, EICT Academy & Director MNIT Jaipur
Prof. Narayana Prasad Padhy

Chief Investigator, EICT Academy
Prof. Vineet Sahula, ECE

Coordinator, EICT Academy
Dr. Satyasai Jagannath Nanda, ECE

Co- Chief Investigators, EICT Academy
Prof. Lava Bhargava, ECE
Prof. Pilli Emmanuel Shubhakar, CSE
Dr. Ravi Kumar Maddila, ECE

Objective (Electronics & ICT Academy-Phase II)
1) To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.
2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas.
3) To support the National Policy on Electronics 2019 (NPE 2019) which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
4) To promote standardization of FDPs through Joint Faculty Development Programmes.
5) To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year.
6) To design, develop & deliver specialised FDPs on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wide spectrum of engineering and non-engineering colleges, polytechnics, ITIs, and PGT educators.