40hrs (5hrs x 8 days) comprise of Core Theory-28 hrs, Labrotary-12 hrs

Sat/Sun (6hrs)

FDP on Malware Analysis (40 Hours)

Time Table

Date	Session I (09:00AM-10:00AM)		Session I (10:00AM-11:00AM)	Session III(4:00PM-5:00PM)	Session IV(5:10PM-6:10PM)	Session II (06:10AM-07:10AM)	Session II (07:10 PM-08:10 PM)
25-08-2025 (Monday)	8:30AM-09:00 AM	09:00AM-10:00AM	10.00AM-11.00AM	Prof. Vijay Laxmi	Prof. Vijay Laxmi	Mr. Abhijit Mohanta	Mr. Abhijit Mohanta
	Inaugural Session	Prof. Sandeep Kr Shukla		Theory Topic-2	Theory Topic-3	Theory Topic-4: Fundamentals: Modern APT attacks and phases, Threat Actors techniques and MITRE, Introduction to Malwares and Types of Malware, Malware Analysis Steps	Handson - 1: Static Analysis: Binary Classification, Identification of file formats, compilers, Dynamic Analysis and RE tool Selection based on Static Analysis
	Theory Topic-1 : Ransomware Detection, and Protection						
26-08-2025 (Tuesday)	Dr. Vikash Kumar			Mr. Abhijit Mohanta	Dr. Meenakshi Tripathi	Dr. Jyoti Gajrani	Dr. Jyoti Gajrani
	Handson - 2: Advanced Static and Dynamic Analysis			Handson - 3: Dynamic Analysis: Procmon, Process Hacker, Memory Analysis, API logging, Dynamic Analysis as input to RE, Malware Classification	Theory Topic-5: Android Malware	Handson - 4: Android malware reverese engineering, static and dynamic analysis tools such as apktool, androguard, jd-gui, etc	
27-08-2025 (Wednesday)	Dr. Vikash Kumar			Mr. Abhijit Mohanta	Mr. Abhijit Mohanta	Prof. Neminath Hubballi	Prof. Neminath Hubballi
	Theory Topic-6: Analyzing Windows-based malware			Handson - 5: Reverse Engineering: Binary profiling, Basics of Disassembly, Debugging Malware, Using Ghidra for Malware analysis, Ghidra UI setting, Exploring binaries with Ghidra		Theory-7: Anonymazation Tools and techniques	
28-08-2025 (Thursday)	Dr. Vikash Kumar			Dr. Vikash Kumar	Dr. Vikash Kumar	Dr. Pilli E Shubhankar	Dr. Pilli E Shubhankar
	Theory Topic-8: Analyzing Windows-based malware			Theory Topic-9: Analyzing Windows-based malware	Theory Topic-10: Malware Functionality	Theory Topic-11: DarkWeb Forensics using OSINET	
29-08-2025 (Friday)	Mr. Abhijit Mohanta			Dr. Saurabh Kumar	Dr. Mushtaq Ahmed	Dr. Ramesh Babu Battula	Dr. Ramesh Babu Battula
	Theory Topic-12 :Malware Detection Engineering: Endpoint detection EDR vs Antivirus, network			Theory Topic-13: Android Malware	Theory Topic-14: CPS Security	Theory Topic-15: Ïntroduction to computer security	Theory Topic-16: Case study on advanced Malwares
30-08-2025 (Saturday)	Prof. Somnath Tripathy		Prof. Somnath Tripathy	Mr. Rohit Shukla	Mr. Rohit Shukla	Dr. Shweta Sharma	Dr. Shweta Sharma
	Theory Topic-17: Trends on Malware and detection techniques			Theory Topic -18:Securing Software Against Malware Entry Points		Theory Topic-19: Analysis of Android Malware through Reverse Engineering	
31-08-2025 (Sunday)	Dr. Nitesh K. Bharadwaj		Dr. Nitesh K. Bharadwaj	Prof. Vinod P	Prof. Vinod P	Mr. Pankaj Upadhayay	Mr. Pankaj Upadhayay
	Handson-6: INetSim, Burpsuit			Theory topic-20: Deep Learning and Explainable AI in Malware Visualization		Theory topic-21:ICS/OT vironment and Vulnerabilites	Theory Topic-22: The Dawn of ICS/OT Malware
01-09-2025 (Monday)	Mr. Sushant Tiwari			Mr. Sushant Tiwari	Mr. Sushant Tiwari	Valedictory session	Quiz
	Handson - 7:Defending ICS/OT & Future Threats			Hanson - 8: The Evolution of ICS/OT Malware	Handson - 9:Analyzing the Triton/Trisis malware		