



A One Week Faculty Development Program on
Software Security: 24 Deadly Sins of Software Programming
Sponsored by ISEA Phase 3 Under Systems & Software Security
15 to 19 December 2024, Physical Mode Only
Organized by IIITDM Kancheepuram, Chennai-600 127



Venue	Physical Mode	About US: http://web.iiitdm.ac.in/noor/
Objective	This workshop aims to provide the theory and practical hands on sessions on cyber security, security vulnerabilities and Risk assessment, Introduction to software security, application security, 24 deadly sins of software security Programming Flaws and how to fix them. It also cover the details of techniques and tools for secure software development cycle.	
Topics to be Covered	<ul style="list-style-type: none">• Introduction to Security• Vulnerabilities in the systems and Software• Vulnerabilities Assessments and Risk Assessment• Introduction to Software Security• 24 Deadly sins of Software Programming• Application Security• Secure Software Development Life Cycle	
Target Audience	Faculty/Researchers/M. Tech/MCA/BCA/BSc and B. Tech Students working in the area of Cyber Security and Programming.	
Prerequisite	Participant should have the basic working knowledge of Programming, and Computer.	
Registration Details	Registration Link: https://forms.gle/qdfCBzwQX4Y4kHoa6	
Registration Fees	NIL (Recommendation Letter and approval from HOD/Dean/Principal/Director in the prescribed form is necessary to confirm your registration)	
Payment	NIL (for Registration, Food and Hostel Type Accommodation for All 5 Days)	
Contact Info:	Dr Noor Mahammad Sk, Organizing Chair (http://web.iiitdm.ac.in/noor/) Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Kancheepuram Melakottaiyur, Vandalur - Kelambakkam Road, Chennai - 600 127, Tamil Nadu, India. For enquiry and clarification, please contact: Email: noor@iiitdm.ac.in ; 044-2747 6349/ 91760 10587(M)	



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		Time (Hrs)	Topic	
DAY 1	15 DEC 2024	0930-1100	Introduction to Systems and Software Security	
		1115-1230	Computer and Network Vulnerabilities	
		1400-1530	Practice Session1: SQL Injection	
		1530-1700	Practice Session2: Buffer Overruns	
DAY 2	16 DEC 2024	0930-1100	Computer and Network Vulnerabilities	
		1115-1230	Vulnerability Assessment	
		1400-1530	Practice Session3: Format String Problems	
		1530-1700	Practice Session4: Integer Overflows	
DAY 3	17 DEC 2024	0930-1100	Risk Analysis and Risk Assessment	
		1115-1230	24 Deadly Sins of Software Programming and Fixes	
		1400-1530	Practice Session5: C++ Catastrophes	
		1530-1700	Practice Session6: Command Injection	
DAY 4	18 DEC 2024	0930-1100	24 Deadly Sins of Software Programming and Fixes	
		1115-1230	Application Security	
		1400-1530	Practice Session7: Failure to Handle Errors Correctly	
		1530-1700	Practice Session8: Race Conditions	
DAY 5	19 DEC 2024	0930-1100	Secure Software Development Life Cycle	
		1115-1230	SSDLC Tools and Techniques	
		1400-1530	Practice Session9: Web Server Related Vulnerabilities	
		1530-1700	Practice Session10: Web Client Related Vulnerabilities	



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Resource Person Details:

Dr Noor Mahammad Sk	Associate Professor, Dept of CSE., Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai.
Dr Sanjeet Kumar Nayak	Asst. Professor, Dept of CSE., Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai.
Dr B Krishna Priya	Asst. Professor, Dept of CSE., Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai.
Dr Gnanambiakai	Asst. Professor, Dept of CSE., Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai.
Dr Dhayalakumar M	Project Staff, ISEA Phase 3, IIITDM Kancheepuram
Mr V Nagasai	Project Staff, ISEA Phase 3, IIITDM Kancheepuram

Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram
in Centrally Funded Technical Institute under Ministry of Education.

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Recommendation Letter for Faculty
(Duly signed by HoD/Dean/Director/VC/Principal of the Institute)

This is to Certify that Dr/Mr/Ms Designation
 with of Department of
 Organization name is
 approved to attend the one week Faculty development program on Software Security: 24 Deadly
 sins of software programming, sponsored by ISEA Phase 3 by Ministry of Electronics and
 Information Technology Government of India, organized by Indian Institute of Information
 Technology Design and Manufacturing Kancheepuram, Chennai – 600 127, during the period of
 15 December to 19 December 2024.

Signature of the Attendee:

Date:

Place:

Signature of

(HoD/Dean/Principal/Director/VC)

Name:

Seal:

Note: Kindly upload the scanned copy for registration confirmation.

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