Dr. Mahalingam College of Engineering and Technology
Office of Dean-Research & Innovation
(Computer Network & IoT)
Research Interest Group

Report on Knowledge Sharing Session on "Research aspects in Networking and Cyber Security"

About the Session:

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S.No.	Name of the Resource Person	Topic	Date & Time	Venue	No of Participants
1.	Mr.Ramakrishnan Nataraj Cyber Security Analyst and Trainer, ERP Next	Research aspects in Networking and Cyber Security	27.03.25 &3:30 PM	C307 DSP Lab	13

Objectives:
- Secure IoT and Edge Computing Environments
- Develop lightweight cryptographic protocols to enhance security in IoT networks.
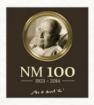
Topics Covered:
- IoT
- AI-driven network optimization
- AI-based intrusion detection
- Anomaly detection in IoT networks

Feedback:

The session was highly informative and provided an understanding of research aspects in networking.

Outcomes:

The knowledge sharing focused on making modern communication systems more secure, efficient, and resilient. It aims to develop AI-powered intrusion detection systems for protecting 5G/6G networks and blockchain-based solutions to stop DDoS attacks in SDN.

Poster of this event:

Photos taken during the Session:

Dean R&I   **Vice-Principal**

Principal