

# 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:

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:



**Dr. MAHALINGAM**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
Udumalai Road, Pollachi, Coimbatore District 642003

Estd. 1998 | AICTE Approved | Affiliated to Anna University  
An Autonomous Institution

NAAC A++ GRADE  
Cycle 3 (2023-2030)  
The Highest Grade



**Office of Dean**  
**Research & Innovation**  
Research Interest Group  
Computer Network & IoT

## KNOWLEDGE SHARING SESSION



**Mr. Ramakrishnan Nataraj**  
**Cyber Security Analyst and Trainer**  
**ERP Next**

**“Research Aspects in Networking and Cyber Security”**  
**27/03/2024 & 3.30 PM**  
**Venue: C307-ECE Department Conference Hall**

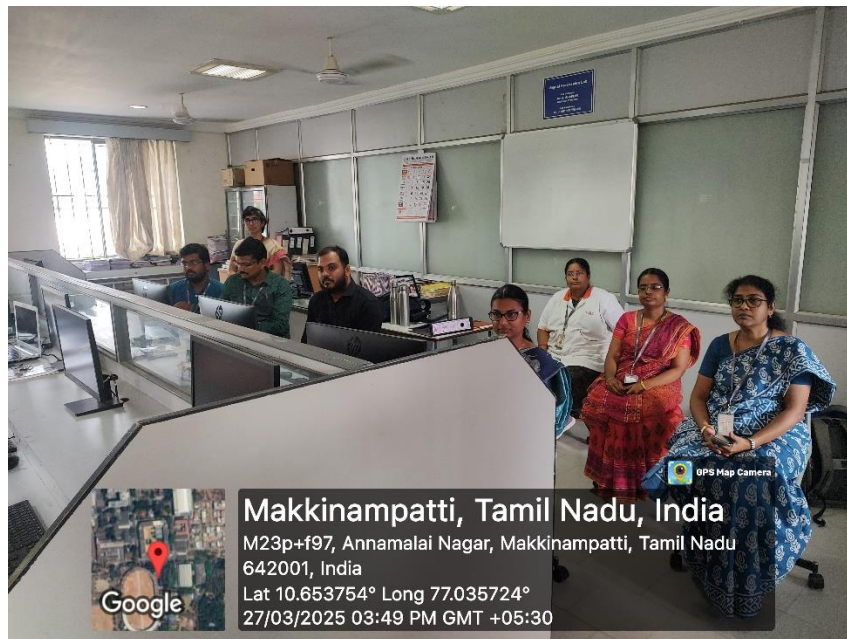
**Organizers: Ms. R.Sherine Jenny, AP(SS), ECE Mr R.Muthubharathi AP(SS)/EEE**

**All are cordially Invited !!!**

**Collaborate, Innovate, Elevate: Research Excellence...**



**Photos taken during the Session:**



*S. Prunkaney*

**Dean R&I**

*A. Senthil*

**Vice-Principal**

*Prasanna*

**Principal**

--Sd--  
**Joint-Secretary**

--Sd--  
**Secretary**