

CALL FOR PAPERS

# ICANTCI 2025

2nd International Conference on  
Advanced Network Technologies  
& Computational Intelligence

2nd-3rd May, 2025 | Mode: Hybrid



## Call for Special Session-2.3

### Important Dates:

Paper Submission: **November 15, 2024**

Notification of Acceptance: **December 15, 2024**

Camera Ready & Registration: **January 5, 2025**

Conference Dates: **May 2-3, 2025**

### Publication

All accepted and registered papers of the special session will be submitted to Springer for inclusion in its prestigious series “Communications in Computer and Information Science” (SCOPUS Indexed).

### Registration

Please visit the conference website for registration and other details:

<https://ca.chitkara.edu.in/icantci2025>

### Session Title:

**Federated Learning for Edge Intelligence in IoT**

### Session Chair(s):

1. **Dr. T. Poongodi**
2. **Dr. M. Kiruthika**
3. **Dr. R. Gopal**

### Affiliation:

1. Professor, Dayananda Sagar University, Harohalli, Bangalore, Karnataka, India.
2. Assistant Professor, Department of Computational Intelligence, School of Computing, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu – 603203, Tamil nadu, India.
3. Information and Communication Engineering, College of Engineering, University of Buraimi, Al Buraimi, Oman.

### Topics of Interest:

- Federated Learning framework for Wireless Edge Devices
- Privacy Preservation and Security of Federated Learning in Edge Computing
- Federated Learning for Green IoT with Edge Intelligence
- Performance Analysis of Intelligent Edge devices
- Edge intelligence based Federated learning Framework for Industry 5.0
- Intelligent Edge Computing in Smart Healthcare Systems
- Edge Intelligence with Internet of Medical Things for Smart Healthcare

- Multimodal Framework in Federated Learning for IoT devices
- Artificial Internet of Things in Federated Learning for Agriculture
- Explainable AI and Intelligent Edge Computing for Disease Prediction
- Blockchain enabled Federated Learning for Security in Edge Computing
- Cyber-attacks and Adaptive Privacy preservation for Edge devices in Federated Learning
- Pandemic Data handling with Edge devices
- Integration of Large Language Models and Edge Intelligence for Federated Learning Framework
- Federated learning scheme for Generative AI in edge computing

**Contact Details of Special Session Chair:**

**Name:** Dr. T. Poongodi  
**Mob. No.:** +91 9942099785  
[tpoongodi2730@gmail.com](mailto:tpoongodi2730@gmail.com)

**Name:** Dr. M. Kiruthika  
**Mob. No.:** +91 9894240046  
[kiruthikats@gmail.com](mailto:kiruthikats@gmail.com)

**Name:** Dr. R. Gopal  
**Mob. No.:** +919791410125  
[rgopalkarur@gmail.com](mailto:rgopalkarur@gmail.com)

Paper submission link:

<https://cmt3.research.microsoft.com/ICANTCI2025/Submission/Index>