# Call for Papers

The scope of this conference is focused and includes the following topics.

- Supervised Learning
- Unsupervised Learning
- Semi-Supervised Learning
- Reinforcement Learning
- Federated Learning and Edge AI
- Transfer Learning
- Optimization Techniques for ML Models
- ML in Communication Networks
- Role of ML in Modern Communication Systems
- DL Architectures and their Applications
- Cognitive Radio Networks with AI
- ML for Wireless Communication
- ML for Energy-Efficient Networking
- ML for 5G and Beyond
- Network Slicing and ML-Driven Orchestrations
- ML in Network Security and Management
- Intrusion Detection Systems
- Anomaly Detection and Attack Prevention
- Network Traffic Prediction
- Decentralized Security Mechanisms
- Smart Contracts for Communication Networks
- Latency-Aware ML Models
- Autonomous Network Mgmt. and Optimization
- Edge Intelligence and IoT Communication
- IoT and Smart Devices Communication
- Quantum ML for Secure Communications
- Ethical Considerations in Communication
- Regulatory Frameworks and Global Policies
- Game Theory in Communication
- Blockchain-Based Access Control
- Dynamic Routing Optimization
- Green AI for Sustainable Networking
- Sensors, Instrumentation, Control and Automation
- Network and Hardware Security
- Parallel and Distributed Computing
- Autonomous Vehicle and UAV
- Resource Management and Scheduling
- Electric Vehicles and Sustainable Technologies
- Cyber Physical Systems and Industry 4.0
- AI-Powered Vehicular Communication
- Smart Grid Communication using ML
- AI in Urban Traffic and Mobility Management
- AI-Driven Quantum Key Distribution
- AI-Powered Deep-Space Communication
- Swarm Intelligence for Autonomous Networking
- Cluster, Grid and Cloud and their Applications
- Wireless Sensor Networks and its Applications
- Vehicular Ad-Hoc Networks and its Applications

# Paper Submission Link

https://techsammelan.in/

# Schedule

| | |
|---|---|
| Last Date of Submission | May 15, 2025 |
| Notification of Acceptance/Rejection | July 15, 2025 |
| Last Date of Registration | August 10, 2025 |
| Camera Ready Submission | August 10, 2025 |
| Conference Date | September 22-24, 2025 |

# Registration Details

| | |
|---|---|
| Foreign Authors | USD 200 |
| Industry Professionals | INR 11800 |
| Faculty/Academicians | INR 11800 |
| PG and UG Students | INR 11800 |
| Co-Authors/Participants | INR 1180 |

# Bank Details

| | |
|---|---|
| Account Name | Conference, NIT Rourkela |
| Account No. | 367 344 18 111 |
| IFSC Code | SBIN0002109 |
| Bank and Branch Name | SBI, NIT Rourkela Campus |
| Account Type | Savings |

# Publications

Accepted and presented papers will be published by Communications in Computer and Information Science series (Confirmed). This series is abstracted and indexed in DBLP, EI Compendex, INSPEC, Japanese Science and Technology Agency (JST), Norwegian Register for Scientific Journals and Series, SCImago, **SCOPUS** and zbMATH. Some of the extended conference papers will be included in Inderscience, subjected to further reviews and journal requirements.

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**Prof. Ratnakar Dash**
**Prof. Ramesh Kumar Mohapatra**
**Prof. Anup Nandy**

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## National Institute of Technology (NIT) Rourkela

National Institute of Technology Rourkela (NIT Rourkela), formerly Regional Engineering College (REC) Rourkela, is a publicly funded institute of higher learning for engineering, science and technology located in the steel city of Rourkela, Odisha, India. It is one of the 31 National Institutes of Technology in India and has been recognized as an Institute of National Importance by the National Institutes of Technology Act, 2007. It is ranked 19th in the NIRF Rankings 2024 of Indian engineering universities. NIT Rourkela was established as REC Rourkela on 15 August 1961. Chief Minister of Odisha, Biju Patnaik provided the land for it, approximately 650 acres. Its foundation stone was laid by the first Prime Minister of India, Jawaharlal Nehru. It was granted autonomy in 2002 and now functions independently under the Ministry of Education. For more details, visit `https://nitrkl.ac.in/`

## Department of Computer Science and Engineering (CSE)

The Department of Computer Science and Engineering (CSE) at the National Institute of Technology (NIT) Rourkela is one of the premier departments of the institute, known for its strong academic programs and research initiatives. The department offers undergraduate (B.Tech), postgraduate (M.Tech), and doctoral (Ph.D.) programmes in various areas of computer science and engineering. The curriculum is designed to be rigorous and is regularly updated to include the latest trends and technologies in the field.

For more details, visit `https://nitrkl.ac.in/CS`

## Conference Accommodations

Accommodation will be available in many hotels in Rourkela city at a reasonable tariff on payment. The Institute guest house can be reserved on request and payment depending on the availability. The Institute is situated only 6 kms (20 mins) driving distance from the Rourkela Railway Station. Nearby airport is Rourkela (or Jharsuguda), which is 20 mins (or 3 hours) driving distance from the Institute.

## Contact

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## Past Proceedings

CoCoLe 2022 Proceedings: `https://link.springer.com/book/10.1007/978-3-031-21750-0`
CoCoLe 2023 Proceedings: `https://link.springer.com/book/10.1007/978-3-031-56998-2`
CoCoLe 2024 Proceedings: `https://link.springer.com/book/10.1007/978-3-031-79041-6`