



INDIAN SOCIETY FOR VLSI EDUCATION

RANCHI-835217 (JHARKHAND) INDIA

First Day Activity: 15.11.2025

Inaugural Session: MCMI-2025 & MCCS-2025

Inaugural Session Link: <https://meet.google.com/xad-muds-feo>

**6th International Conference on
Microelectronics, Computing Systems, Machine
Learning & Internet of Things (MCMI-2025)
&
10th International Conference on
Microelectronics, Computing & Communication
Systems (MCCS-2025)**

Program Details: First Day: 15-11-2025: MCMI-2025 & MCCS-2025

Members on Virtual Dais

1. **Prof. R.P. Yadav**, Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur & Brand Ambassador of ISVE Ranchi (**Chief Guest & Keynote Speaker1**)
2. **Sh. K.K. Thakur**, Retd. Chief General Manager Telecom, BSNL Jharkhand Circle, Ranchi & Brand Ambassador of ISVE Ranchi (**Guest of Honor**)
3. **Prof. D. K. Yadav**, Professor NIT Jamshedpur & President ISVE Ranchi
4. **Dr. Arun Kumar**, Former Director ECOM RU Ranchi & Chairman ISVE Ranchi
5. **Sh. Shreyaskumar Patel**, ISVE Distinguish Fellow Member, NetScout, IEEE, USA
6. **Dr. Vijay Nath** (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair MCMI-2024, MCCS-2024
7. **Dr. Anand Kumar Thakur** (RU), Executive Member ISVE Ranchi & Organizing Secretary, MCMI-2024, MCCS-2024
8. **Dr. Raj Kumar Singh** (RU), Executive Member ISVE Ranchi & Convener MCMI-2024, MCCS-2024



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| Details of Inaugural Session Details | |
|--------------------------------------|--|
| Time | Activity |
| 10:00am to 10:10am | Welcome by Prof. D. K. Yadav President ISVE Ranchi |
| 10:10 am to 10:20am | Introduction by Dr. Vijay Nath |
| 10:20 am to 10:30am | Program Elaboration by Dr. Raj Kumar Singh |
| 10:30am to 10:50am | Short messages by Eminent people available on virtual dais |
| 10:50am to 11:20am | Keynote Lecture 1: Prof. R.P. Yadav Former VC RTU Kota |
| 11:20am to 12:20pm | Keynote Lecture 2 : Sh. Shreyaskumar Patel, ISVE Distinguish Fellow Member, NetScout, IEEE, USA |
| 12:20 pm to 12:50pm | Vote of Thanks by Dr. Anand Kumar Thakur |
| 12:50pm to 1:00pm | Tea Break |

Important Notes:

There will be a two-day technical session of MCMI-2025, and MCCS-2025. On 15.11.2025 will be Inaugural session from 10:00am to 1:00pm and Technical Session (1A) from 2:00pm to 5:30 pm and on 16.11.2025 will be Technical Session (2A) from 10:00am to 1:00pm and the lecture session/ technologies demonstration from 2:00pm to 4:00pm and Valedictory session and award declaration from 5:00pm to 6:30pm. All are requested to join the session on time.

Technical Session 1: Section A:

Microelectronics, VLSI Design & Computing Systems

Name of Session Chairman: **Dr. D. K Yadav**, Professor National Institute of Technology, Jamshedpur & President of ISVE Ranchi

Name of Session Chairpersons:

Dr. Battula Tirumala Krishna, Jawaharlal Nehru Technological University, Kakinada

Dr. Subadra Murugan, R.M.K. College of Engineering and Technology, Tiruvallur

Dr. Mahesh Angira, NIT Hamirpur

Dr. Vijay Nath, BIT Mesra Ranchi (JH) & General Chair ISVE Ranchi

Dr. Ashok Kumar K, Matrusri Engineering College, Saidabad, Hyderabad

Dr. Mangal Vedant Patil, Bharati Vidyapeeth Deemed to be University College of Engineering Pune



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Dr. Meena Rao, Maharaja Surajmal Institute of Technology, New Delhi

Dr. Ganti Sreelakshmi, Jawaharlal Nehru Technological University, Hyderabad

Dr. Bhalke D G, Dr. D. Y. Patil Institute of Technology Pimpri Pune

Dr. P. Latha, St. Joseph's College of Engineering, Chennai

Dr. Yogendra Narayan Prajapati, Ajay Kumar Garg Engineering College Ghaziabad

Dr. Pooja Rani, University of Allahabad (A Central University), Prayagraj, Uttar Pradesh, India

Group Coordinator/ Moderator: Dr. Suparna Biswas, Guru Nanak Institute of Technology & **Ms. Nikhat Anjum**, BIT Mesra

Google meet link : International Conf. MCCS-2025 & MCMI-2025

November 15 – 16, 2025

Time zone: Asia/Kolkata

Google Meet joining info

Video call link: <https://meet.google.com/xad-muds-feo>

| S.N. | Paper ID | Corresponding Authors | Paper Title | Presentation Schedule |
|------|-----------|------------------------|--|-----------------------|
| 1. | MCMI25003 | Kanchan Bala | Soil Analysis and Moisture Prediction Using Machine Learning: A Review | 2:00-2:15pm |
| 2. | MCMI25004 | Jyoti Mahadev Sandur | A Comprehensive Review of Deep Learning Algorithms for Underwater Trash Detection: Advancements, Challenges, And Future Directions | 2:16-2:30pm |
| 3. | MCMI25005 | Suman Patel | AI-Powered GitHub Repository Summarizer with CrewAI: Automating Codebase Analysis | 2:31-2:45pm |
| 4. | MCMI25011 | Pankaj Arora | Machine-learning driven analysis of an Aluminum-based Plasmonic sensor in the Near-infrared region | 2:46-3:00pm |
| 5. | MCCS25006 | Vaishnavi | Detecting COVID-19 and Pneumonia using CNN-GRU Model | 3:01-3:15pm |
| 6. | MCCS25009 | P. Venkata Subba Reddy | Quantum Approaches to NP-Hard Combinatorial Optimization Problems: A Review | 3:16-3:30pm |
| 7. | MCCS25011 | Akash Kumar | A Lightweight Hardware Accelerator for Weather Prediction using Vitis HLS and | 3:31-3:45pm |



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| | | | Linear Regression | |
| 8. | MCCS25012 | Pankaj Arora | Design and Comparative Analysis of a Low-Power Subthreshold Folded Cascode Variable Gain Amplifier in 90 nm and 45 nm CMOS Technology | 3:46-4:00pm |
| 9. | MCCS25013 | Diksha | Active Learning and Label Spreading Semi-Supervised Learning Techniques for Detection of Firewall Actions | 4:01-4:15pm |
| 10. | MCCS25014 | Pratyush Pranjali | Design of RISC-V Processor using Verilog @HDL | 4:16-4:30pm |
| 11. | MCCS25020 | Khushita Shende | Application of computational tools to study mechanobiology | 4:31-4:45pm |
| 12. | MCM125002 | Shreya Sudhir Aiqalikar | AI Meets Music Machine Learning for Indian Classical Raag Classification | 4:46-5:00pm |
| 13. | | | | -5:01-5:15pm |

Second Day Activity: 16.11.2025

Technical Session 2: Section A :

Signal Processing, Artificial Intelligence & Machine Learning

Name of Session Chairman: Dr. Adesh Kumar, Professor UPES University Dehradun

Name of Session Chairpersons:

Dr. Arpan Deyasi, RCC Institute of Technology, Kolkata and Member of ISVE Ranchi

Dr. Aruna Kokkula, MVSR Engineering College, Nadargul, Hyderabad

Dr. Smita Desai, Dr. D.Y. Patil Institute of Technology Pimpri Pune 18

Dr. Parul Chaudhary, Maharaja Surajmal Institute of Technology, New Delhi

Dr. Anand Kumar Thakur, Ranchi University Ranchi

Dr Shekhar Yadav, IET DSMNRU Lucknow

Dr. Sarita Kumari, Amity University Jharkhand

Dr. Neha Paras, Special Centre for Nanoscience, Jawaharlal Nehru University Delhi

Dr. Harshada Mhetre, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune



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Dr. Rajesh Khatri, Shri G. S. Institute of Technology & Science Indore

Dr. Gaurav Yadav, Siksha O Anusandhan (Deemed to be) University, Bhubaneswar

Group Coordinator/ Moderator: Dr. Srinivasulu Tadisetty, Kakatiya University Hyderabad &

Dr. Divya Sharma, DPU Pune

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| S.N. | Paper ID | Corresponding Authors | Paper Title | Presentation Schedule |
|------|-----------|-----------------------|---|-----------------------|
| 1. | MCCS25017 | Ayman Attar | CNN Based Channel Estimation in 5G systems and performance analysis using STM32 Platform | 10:00-10:15am |
| 2. | MCCS25018 | Prerana Chandania | Machine Learning-Based Classification of Neck Movements Using sEMG and STM32 Microcontroller | 10:16-10:30am |
| 3. | MCCS25028 | Om Nishane | Review on Visualization and Life Cycle Assessment for Sustainable Mud-Based Construction Techniques | 10:31-10:45am |
| 4. | MCCS25047 | Diksha Nishane | Image processing in ISRO for Satellite navigation | 10:46-11:00am |
| 5. | MCCS25052 | Harshada Gole | Role of Artificial Intelligence in Mental Health Diagnosis and Therapy | 11:00-11:15am |
| 6. | MCCS25110 | Shweta Chaudhary | A Digital Twin-Enabled Parking Assist System Using Raspberry Pi and AWS Cloud Services | 11:16-11:30am |
| 7. | MCCS25113 | Nimish Kumar | Tuning of Acceleration Coefficients of Particle Swarm Optimization for Economic Load Dispatch | 11:31-11:45am |
| 8. | MCCS25005 | Varad Sarda | Analysis of Convolutional Neural Network- | 11:46am-12:00pm |



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| | | | Based Detection of Fish Skin Diseases | |
| 9. | MCCS25008 | Ishika Sapkal | Analysis of Convolutional Neural Network-Based Crack Detection: From Traditional Approaches to Advanced Models | 12:01-12:15pm |
| 10. | MCCS25055 | Pavani Wankhede | The Role of Virtual Reality in Rehabilitation Therapy: Innovations and Challenges | 12:16-12:30pm |
| 11. | MCCS25095 | Gayatri Phadatare | Electromyographic Signal Analysis for Monitoring and Classifying Hand Muscle Fitness | 12:31-12:45pm |
| 12. | | | | 12:46-01:00pm |

Technical Lecture: 2:00pm to 4:00pm

| SN | Name of Speaker | Affiliations & Topic of Lecture |
|----|-------------------------|--|
| 1. | Dr. Pankaj Arora | Department of Electrical Engineering, BITS Pilani, Pilani Campus, India Topic of Lecture: Microelectronics and Nano-photonics |
| 2. | Dr. Neha Paras | JNU, New Delhi, India Topic of lecture: VLSI and Semiconductor Devices |

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Valedictory Session & Awards/ Prize Declaration:

Meeting link : International Conf. MCCS-2025 & MCMCI-2025

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| Members on Virtual Dais for Valedictory Session of MCMI-2025, MCCS-2025 | |
|---|---|
| 1. Sh. K.K. Thakur , Retd CGMT BSNL Jharkhand Circle Ranchi & Brand Ambassador ISVE Ranchi | |
| 2. Prof. Kavita Thakur , Professor, Pt Ravishankar Shukla University Raipur | |
| 3. Prof. D. K. Yadav , Professor NIT Jamshedpur & President ISVE Ranchi | |
| 4. Dr. Arun Kumar , Former Director ECOM RU Ranchi & Chairman ISVE Ranchi | |
| 5. Dr. Gargi Khanna , Associate Professor, NIT Hamirpur | |
| 6. Dr. Vijay Nath (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair of MCMI-2025, MCCS-2025 | |
| 7. Dr. Anand Kumar Thakur (RU), Executive Member ISVE Ranchi & Organizing Secretary MCMI-2025, MCCS-2025 | |
| 8. Dr. Raj Kumar Singh (RU), Executive Member ISVE Ranchi & Convener MCMI-2025, MCCS-2025 | |
| Valedictory Session | |
| Time | Activity |
| 5:00 pm-5:10pm | Welcome by Dr. Arun Kumar Chairman ISVE Ranchi |
| 5:11 pm-5:20pm | Concluding remarks by Dr. Vijay Nath |
| 5:21 pm-5:30pm | Program Elaboration by Dr. Raj Kumar Singh |
| 5:31 pm-5:50pm | Short messages by Eminent people available on virtual dais |
| 5:51 pm-6:10pm | Impact of Conference/ Workshop on Education System by Prof. Kavita Thakur & Declaration of Awards for participants |
| 6:11 pm-6:20pm | Vote of Thanks by Dr. Anand Kumar Thakur |
| 6:21 pm-6:30pm | Virtual High Tea |



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Important Contact Numbers:

| SN | Responsibility | Name | Contact Number |
|----|--|--|--------------------------|
| 1. | Chairman | Dr. Arun Kumar | |
| 2. | General Chair | Dr. Vijay Nath | 9973886214 |
| 3. | Organizing Secretary | Dr. Anand Kumar Thakur | 9835056547 |
| 4. | Convener | Dr. Raj Kumar Singh | 9431359955 |
| 5. | Group Coordinators Section- A all Session | Dr. Abhishek Pandey | 7070364771 |
| 6 | Group Coordinators Section- B all Session | Mr. Rahul Priyadarshi Dr. Deepak Prasad | 8351968814 9955320916 |
| 7. | Group Coordinators Technology Demonstration | Dr. Suraj Kumar Saw Dr. Ashutosh Anand | 8416002238 7004775839 |

Best wishes to all the participants, judges, eminent people, and the coordination committee for excellent support.

Thanks & regards.

MCFI-2025, MCCS-2025 Organizing Committee

Virtual / Online Conference

ARTTC BSNL Ranchi-835217 (JH) India