



INDIAN SOCIETY FOR VLSI EDUCATION

RANCHI-835217 (JHARKHAND) INDIA

First Day Activity: 19.10.2024

Inaugural Session: MCMI-2024, MCCS-2024 & ISVE Hackathon-2024

Meeting link: <https://meet.google.com/wau-ubbf-rfa?hs=224>

**5th International Conference on
Microelectronics, Computing Systems, Machine
Learning & Internet of Things (MCMI-2024)
&
9th International Conference on
Microelectronics, Computing & Communication
Systems (MCCS-2024)
&
ISVE Hackathon-2024**

Program Details: First Day: 19-10-2024: MCMI-2024 & MCCS-2024

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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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 persons 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-2024, MCCS-2024 & ISVE Hackathon-2024. On 19.10.2024 will be Inaugural session from 10:00am to 1:00pm and Two Parallel Technical Session (1A, 1B) from 2:00pm to 5:30 pm and on 20.10.2024 will be two parallel ISVE Hackathon Technical Session (2A, 2B) 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. Gargi Khanna, Associate Professor NIT Hamirpur

Dr. Shylashree N., Associate Professor RV College of Engineering Bangalore (KA) and Member of ISVE Ranchi

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

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



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Dr Sujata Sanjay Kotabagi, Professor K L E Technological University, Hubballi
Dr. M. Prasad, Associate Professor Shri Vishnu Engineering College for Women (Autonomous),
Bhimavaram
Dr Shola Usharani, Assistant Professor VIT Chennai Campus
Dr. Abhijeet Lal, Assistant Professor BIT Durg
Dr. Jagadeesh Bodapati, Assistant Professor BVC College of Engineering, Amravati
Dr. Deepak Prasad, Assistant Professor, Sarla Birla University Ranchi

Group Coordinator/ Moderator: Ms Divya Sharma PhD Scholar BIT Mesra Ranchi & Sh. Shreyaskumar Patel, Sr Software Engineer at Netscout Systems, IEEE Senior Member, Distinguished Fellow at ISVE VLSI

Google meet link : <https://meet.google.com/wau-ubbf-rfa?hs=224>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCM124004	Kotha Sai	Harnessing IoT for Intelligent Attendance Tracking	2:00-2:15pm
2.	MCM124011	Anish Nair	A Novel approach to Services and Fault Prediction Diagnostics of Artificial Intelligence based Smart Driver Assistant of Two Wheeler	2:16-2:30pm
3.	MCM124012	Akshay Verma	Thickness Dependency Analysis of IGZO-Based Thin Film Transistor	2:31-2:45pm
4.	MCM124013	Sunil Kumar	MPI for SPH Methods and Parallel Computing on CPUs and GPUs	2:46-3:00pm
5.	MCM124015	Suchismita Das	A Proposed Framework to Denoise the Medical Images Using Deep Learning Techniques	3:01-3:15pm
6.	MCM124017	Monika Dixit	Design and Implementation of BIST Architecture for Static Parameter of ADC	3:16-3:30pm
7.	MCCS24002	U.A. Ranjni	A Narrative Analysis Report on Heart Disease Prediction using Advanced Deep Learning Techniques in Smart Healthcare System	3:31-3:45pm



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8.	MCCS24030	Ujwal Kumar	Emotion Detection using Deep Learning CNN Model	3:46-4:00pm
9.	MCCS24033	Kavita Rawat	NeuroCardioNet: A Fusion-Based Deep Learning Architecture for Identifying Mental Illnesses using Neurocardiac Data Fusion	4:01-4:15pm
10.	MCCS24035	P.Kishor Kumar	Ternary Content-Addressable Memory on FPGAs with Reconfigurable Power Efficiency	4:16-4:30pm
11.	MCCS24044	Sachin Shivaji Doddamani	Emerging Developments and Challenges in FinTech Landscape	4:31-4:45pm
12.	MCCS24050	Pooja Raghav	Detection of Herpes Biomolecule using Ge- based Dielectrically Modulated TFET	4:46-5:00pm
13.	MCCS24038	Jaishree Jain	AI-Powered Career Mastery: Your Success Journey Unveiled	-5:01-5:15pm

Technical Session 1: Section B :

Signal Processing, Artificial Intelligence & Machine Learning

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

Name of Session Chairpersons:

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

Dr Kiran Sree Pokkuluri, Professor, CSE Shri Vishnu Engineering College for Women

Dr. Smita Desai, Assistant Professor Dr.D.Y.Patil Institute of Technology Pimpri Pune 18 & Distinguish
Fellow Member of ISVE Ranchi

Dr. Amol Prakash Bhagat, Assistant Professor Prof Ram Meghe College of Engineering & Management,
Badnera, Amravati

Dr. Anand Kumar Thakur, Assistant Professor Ranchi University Ranchi (JH) & Executive Member of ISVE
Ranchi

Dr. Ajay Roy, Professor Lovely Professional University Jalandhar

Dr. Mahesh Angira, Assistant Professor NIT Hamirpur

Dr. Neha Paras, Assistant Professor Special Centre for Nanoscience, Jawaharlal Nehru University Delhi &
Fellow Member ISVE Ranchi

Dr. K.Thamizhmaran, Assistant Professor Government College of Engineering, Bodinayakkanur, Theni,
Tamilnadu

Dr. Shasanka Sekhar Rout, Assistant Professor, GLA University, Mathura, UP, India



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Group Coordinator/ Moderator: Dr. Sudhir Kumar Sharma, Assistant Professor, Manipal University Jaipur &
Dr.Trupa Sarkar, Assistant Professor, Tripura Institute of Technology, Tripura

Google meet link: <https://meet.google.com/hky-oayc-fba?hs=224>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCCS24052	Yasam Vijaya Lakshmi	IoT Based Indoor Navigation and Automated stock Management in Smart Marts	2:00-2:15pm
2.	MCCS24057	Rohan Chauhan	Breast Cancer Predictor using Machine Learning	2:16-2:30pm
3.	MCCS24059	Raj Kumari	Revolutionizing Agriculture: The Polyhouse Paradigm and AI Integration in Modern Farming Practices	2:31-2:45pm
4.	MCCS24060	Aswathy V K	A detailed analysis of spinal cord injury using deep learning techniques in the MRI scans	2:46-3:00pm
5.	MCCS24067	Ashish Ranjan	Fraud Detection Using Machine Learning and Community Detection Algorithm	3:01-3:15pm
6.	MCCS24076	Enugala Rajitha	Android Malware Detection on Imbalanced Data Using Deep Learning	3:16-3:30pm
7.	MCCS24077	Mugelan R K	FSO in Satellite Communication	3:31-3:45pm
8.	MCCS24079	Ramapogu Sanjay Raju	Parallelization of Scientific Applications with MPI	3:46-4:00pm
9.	MCCS24070	Subhranil Das	Transforming Retail Paradigms through Advanced AI-Enabled Autonomous Shopping Systems	4:01-4:15pm
10.	MCCS24082	K Phaneendra	Brain Controlled Wheelchair with Obstacle Detection	4:16-4:30pm
11.	MCCS24084	K. Ramkumar	Evaluating TCP and Alternative Protocols for Enhanced Efficiency and Reliability in Wireless Sensor Network for Congestion Avoidance	4:31-4:45pm
12.	MCCS24086	Shrikant Upadhyay	Smart Attendance Management System for Students Engagement and Academic	4:46-5:00pm



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			Growth using Machine Learning	
13.	MCCS24087	Pinnamaraju Sahitya	Brain Tumor Detection and Classification using Artificial Intelligence	5:01-5:15pm
14.				5:16-5:30pm

Second Day Activity: 20.10.2024

Technical Session 2: Section A : ISVE Hackathon-2024

Name of Session Chairman: Dr. Sukhi Y, Professor R.M.K. Engineering College, Chennai

Name of Session Chair Persons:

Dr. Raj Kumar Singh, Assistant Professor Ranchi University Ranchi (JH) & Executive Member of ISVE Ranchi

Dr Neeti Singh, Scientist IMD New Delhi & Member of ISVE Ranchi

Dr Padmavati Shrivastava, Assistant Professor RCET Bhilai

Dr Prashant B Patel, Associate Professor DIT, Pune University Pune

Dr. Yagnik Rathod, Assistant Professor, Government Engineering College, Dahod. Gujarat Technological University, Ahmedabad

Dr. I. Sharath Chandra, Associate Professor Matrusri Engineering College, Saidabad, Hyderabad

Dr. Raj Kumari, Assistant Professor Department of Electronics and Telecommunication Engineering, Chandigarh College of Engineering, CGC, Jhanjeri, Chandigarh, India.

Dr. Kumari Mamta, Associate Professor Department of Physics Nalanda College of Engineering Chandi, Nalanda Bihar

Group Coordinator/ Moderator: Mrs T Snehitha Reddy, Research Scholar BIT Mesra & Dr. Gaurav Yadav, Assistant Professor SoA University Bhubaneswar

Google meet link : <https://meet.google.com/wau-ubbf-rfa?hs=224>

S.N.	Hackathon ID	Group Coordinator	Hackathon Title	Presentation Schedule
1.	IH24001	Puneeth M C	Solar-Powered IoT Agricultural Monitoring System for Precision Farming	10:00-10:15am



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2.	IH24002	Leela Kumar	Enhancing safety and efficiency for school transportation	10:16-10:30am
3.	IH24003	N. Joshna Bala	Plastic Waste Collector Machine AI-Powered Solution for Plastic Waste Management	10:31-10:45am
4.	IH24004	Ch.G.S.Krishna Chaitanya	Holographic with Visualisation	10:46-11:00am
5.	IH24005	Golakoti Durga Phani Kumari	Smart Irrigation System	11:00-11:15am
6.	IH24006	Golakoti Durga Phani Kumari	Smart Irrigation System for Precision Farming	11:16-11:30am
7.	IH24007	Ch. Teja Sai Kumar	Smart Farming Tool	11:31-11:45am
8.	IH24008	Simhadri Pranathi	Secure Saathi	11:46am-12:00pm
9.	IH24009	D Sharmila	Alternative to an Ambulance	12:01-12:15pm
10.	IH24019	Kunisetty Venkata Naga Pavan Sai Akhil	Autonomous Safety System	12:16-12:30pm
11.				12:31-12:45pm
12.				12:46-01:00pm

Technical Session 2: Section B: ISVE Hackathon-2024

Name of Session Chairman: Dr. Arpan Deyasi, Associate Professor RCC Institute of Technology, Kolkata and Member of ISVE Ranchi

Name of Session Chairpersons:

Dr. V. Anandi, Associate Professor Ramaiah Institute of Technology, Bengaluru & Member of ISVE Ranchi

Dr. Khaleelu Rahman, Associate Professor Chaitanya Bharati Institute of Technology(A) Gandipet, Hyderabad

Dr. Abhishek Pandey, Associate Professor UMU Ranchi & Honorary Secretary of ISVE Ranchi

Dr. Chandra Sekhar Azad, Assistant Professor NIT Jamshedpur

Dr Monika Nagar, Assistant Professor IMSEC Ghaziabad



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Dr. Nutan Lata, Assistant Professor Doranda College Ranchi

Dr. Soumik Podder, Assistant Professor Guru Nanak Institute of Technology, Kolkata

Dr. Vikash Yadav, Lecturer Government Polytechnic Bighapur Unnao, Department of Technical Education Uttar Pradesh

Group Coordinator: Dr. Rahul Priyadarshi, Assistant Professor SoA University Bhubaneswar & Dr. Anil Kumar Verma, Assistant Professor, The ICFAI University Raipur, Kumhari District Durg 490042 Chhattisgarh

Google meet link : <https://meet.google.com/hky-oayc-fba?hs=224>

S.N.	Paper ID	Group Coordinator	Hackathon Title	Presentation Schedule
1.	IH24010	D Sharmila	Alternative to an Ambulance	10:00-10:15am
2	IH24011	Sai Muppana	Green House Automation	10:16-10:30am
3	IH24012	Prashant Sharma	Evaluation of Hypolipidemic and Anti-cholelithogenic effect of Taraxacum officinale (Dandelion) roots in Lithogenic Diet-induced Mice Model.	10:31-10:45am
4	IH24013	Gayatri Sen	CalmNest: A Holistic App for Mental Health and Emotional Well-Being	10:46-11:00am
5	IH24014	Rajapriyadarshini B	Analog/ Full Custom IC Design of Wilson Current Mirror	11:00-11:15am
6	IH24015	Kanchan Assudani	Startup Ecosystems	11:16-11:30am
7	IH24016	Gunjan Yogesh Bholane	Website Shield: Securing E-commerce with AI and Blockchain	11:31-11:45am
8	IH24017	Ankit Sehgal	EduMate: Personalized AI Tutor for Smart Learning	11:46am-12:00pm
9	IH24018	Kadali.Satish Kumar	Meals Mitra	12:01-12:15pm
10				12:16-12:30pm
11				12:31-12:45pm
12				12:46-01:00pm



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

Meeting link: <https://meet.google.com/wau-ubbf-rfa?hs=224>

Valedictory Session & Awards/ Prize Declaration:

Meeting link: <https://meet.google.com/wau-ubbf-rfa?hs=224>

Members on Virtual Dais for Valedictory Session of MCMI-2024, MCCS-2024, ISVE Hackathon-2024	
<ol style="list-style-type: none">1. Sh. K.K. Thakur, Retd CGMT BSNL Jharkhand Circle Ranchi & Brand Ambassador ISVE Ranchi2. Prof. Kavita Thakur, Professor, Pt Ravishankar Shukla University Raipur3. Prof. D. K. Yadav, Professor NIT Jamshedpur & President ISVE Ranchi4. Dr. Arun Kumar, Former Director ECOM RU Ranchi & Chairman ISVE Ranchi5. Dr. Gargi Khanna, Associate Professor, NIT Hamirpur6. Dr. Vijay Nath (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair of MCMI-2024, MCCS-20247. Dr. Anand Kumar Thakur (RU), Executive Member ISVE Ranchi & Organizing Secretary MCMI-2024, MCCS-20248. Dr. Raj Kumar Singh (RU), Executive Member ISVE Ranchi & Convener MCMI-2024, MCCS-2024	
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 persons available on virtual dais



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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

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 persons, coordination committee for excellent support.

Thanks & regards.

MCFI-2024, MCCS-2024 & IH-2024 Organizing Committee

Virtual / Online Conference

ARTTC BSNL Ranchi-835217 (JH) India