INDIAN SOCIETY FOR VLSI EDUCATION

RANCHI-835217 (JHARKHAND) INDIA

First Day Activity: 13.04.2024

Inaugural Session: NMIC-2024, NCCS-2023, MSME-2023

Inauguration Meeting link: https://meet.google.com/ics-qpea-kka?authuser=1&hs=122

4th International Conference on

Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC-2024)

&

9th International Conference on

Nanoelectronics, Computational Intelligence & Communication Systems (NCCS-2023)

&

1st International Conference on

Materials Science and Manufacturing Engineering (MSME-2023)

Program Details: First Day: 13-04-2024:

NMIC-2024, NCCS-2023 & MSME-2023

Members on Virtual Dais of NMIC-2024, NCCS-2023 & MSME-2023

---

1. **Prof. R.P. Yadav**, Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur **(Chef Guest & Keynote Speaker-1)**

2. **Prof. D. K. Yadav,** Professor NIT Jamshedpur & President ISVE Ranchi

3. **Prof. J.K. Mandal**, Former Vice-Chancellor Raiganj University Raiganj & Professor Kalyani University, Kalyani **(Guest of Honor & Keynote Speaker-2)**

4. **Dr. Arun Kumar,** Ex-Director ECOM RU Ranchi & Chairman ISVE Ranchi

5. Dr. Kavita Thakur, Professor Pt. Ravishankar Shukla University Raipur & City Coordinator of ISVE Chapter Raipur, Chhattisgarh **(Guest of Honor)**

6. **Dr. Vijay Nath** (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair NMIC-2024, NCCS-2023 & MSME-2023

7. **Sh. Sheyaskumar Patel**, Sr. Software Engineer, NetScout Systems Inc, IEEE, Anna, Texas, USA and Distinguished Fellow Member of ISVE Ranchi and City Coordinator of ISVE Chapter Anna, Texas, USA **(Invited Speaker 1)**

8. **Sh. Samuel Tensingh**, Associate Lecturer, University of Sydney, Australia and Fellow Member of ISVE Ranchi & City Coordinator of ISVE Chapter Sydney, Australia **(Invited Speaker 2)**

9. **Dr. Anand Kumar Thakur**(RU), Executive Member ISVE Ranchi & Organizing Secretary NMIC-2024, NCCS-2023 & MSME-2023

10. **Dr. Raj Kumar Singh** (RU), Executive Member ISVE Ranchi & Convener NMIC-2024, NCCS-2023 & MSME-2023

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 & Introduction to Reviewers
10:50am to 11:05am	Keynote Lecture1: **Prof. R.P. Yadav Former VC RTU Kota**
11:05am to 11:20am	Keynote Lecture 2: **Prof. J.K. Mandal, Former VC Raiganj University Raiganj**
11:20am to 12:00pm	Invited Lecture1**: Sh. Sheyaskumar Patel**, Sr. Software Engineer, NetScout Systems Inc, IEEE, Anna, Texas
12:00pm to 12:40pm	Invited Lecture 2: **Sh. Samuel Tensingh,** Associate Lecturer**,** University of Sydney, Australia
12:40pm to 1:00pm	Vote of Thanks by **Dr. Anand Kumar Thakur**
1:00pm to 2:00pm	**LUNCH**

INDIAN SOCIETY FOR VLSI EDUCATION
RANCHI-835217 (JHARKHAND) INDIA

Important Notes:

There will be a two-day technical session of **NMIC-2024, NCCS-2023 & MSME-2023**. On 13-04-2024 will be Inaugural session and four technical sessions 1A, 1B, 1C & 1D and on 14.04.2024 will be eight technical sessions 2A, 2B, 2C, 2D, 3A, 3B, 3C & 3D and Valedictory session with Award Ceremony. All are requested to join the session on time.

Lunch:- 1:00-2:00pm

Technical Session 1: Section A:

Nanoelectronics, Circuits & Machine Learning

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

Name of Session Chair Persons:

Dr. Vijay Nath, Associate Professor BIT Mesra Ranchi(JH)

Dr. Kiran Sree Pokkuluri, Professor, Shri Vishnu Engineering College for Women(A), Bhimavaram
Dr. Yagnik Rathod. Assistant Professor, Government Engineering College, Dahod
Dr. Kalavathi Devi T, Associate Professor, Kongu Engineering College, Erode
Dr Chandrashekhar Azad, Assistant Professor, NIT Jamshedpur
Dr.S. Neduncheliyan, Professor, Bharath Institute of Higher Education and Research, Chennai
Dr. Gayathri.R, Associate Professor, VIT Chennai
Dr.M.Venkatesh, Assistant Professor CMR Institute Of Technology, Bengaluru

Group Coordinator/ Moderator: Ms Divya Sharma, Research Scholar BIT Mesra

Google meet link : https://meet.google.com/ics-qpea-kka?authuser=1&hs=122

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24003	Y Sukhi	Machine Learning based Automated Fire Detection	2:00-2:15pm
2.	NMIC24005	Kumar kartike	Design and simulation of MXene based piezoresistive pressure sensor	2:16-2:30pm
3.	NMIC24048	P. Latha	An FPGA Assisted Cloud Computing for Smart Agriculture	2:31-2:45pm
4.	NMIC24049	Aditya Upadhye	Braille to Speech conversion using BT-CNN	2:46-3:00pm

5.	NMIC24051	Ashish Kumar	Global Air Pollution Prediction using Decision tree	3:01-3:15pm
6.	NMIC24056	Pallapolu Mahesh Babu	Identification and classification of brain tumor from MRI image by Deep learning	3:16-3:30pm
7.	NMIC24064	Lokesh Kamireddi	Adoption of Machine Learning in Farming	3:31-3:45pm
8.	NCCS23064	Sukhpreet Kaur	A Robot-Shaped Implantable Antenna for Leadless Cardiac Pacemaker with Enhanced gain	3:46-4:00pm
9.	NMIC24069	Vikram Kakde	Comparative Analysis of Machine Learning Models for Disease Detection using Blood Cell Images	4:01-4:15pm
10.	NMIC24070	Dineshkumar K	Blockchain Privacy and Security Advocate: Champions for User Privacy and Data Security in The Design and Implementation ff Blockchain Systems	4:16-4:30pm
11.	NMIC24072	Altaf Taher Shah	Fish Disease Pre-emption Model via Intelligent Segmentation and Iterative Learning operations	4:31-4:45pm
12.	NMIC24083	Shreya Anvekar	Single Stage Folded-Cascode Operational Amplifier	4:46-5:00pm
13.	NCCS23032	Ruchi	Design of a modified 9T SRAM cell as a SEU recovery circuit	5:01-5:15pm
14.	NCCS23047	Kaustav Sanyal	Evaluating the Amarkosha to Generate Computational Model for Sanskrit Vocabulary and Sanskrit Word Bank	5:16-5:30pm

Technical Session 1: Section B :

Signal Processing, Deep Learning & Computational Intelligence

Name of Session Chairman: Dr. D. K. Yadav, Professor, NIT Jamshedpur

Name of Session Chair Persons:

Dr. Ajay Roy, Professor, Lovely Professional University, Panjab

Dr. Richa Mishra, Assistant Professor, Birla Institute of Technology Mesra Ranchi

Dr.C.Padmini, Professor, Vardhaman College of Engineering, Hyderabad

Dr. Soumik Podder, Assistant Professor, SR University, Warangal-506371

Dr. M. Prasad, Associate Professor, Shri Vishnu Engineering College for Women(A), Bhimavaram

Dr. Muthumanickam, S., Associate Professor, RMK College of Engineering Chennai

Dr. Anand Kumar Thakur, Assistant Professor Ranchi University Ranchi(JH)

Dr. Anil Shukla, Associate Professor, ASET AMITY University Noida

Dr.Jayanthi PN, Assistant Professor, RVCE Bengaluru

Group Coordinator/ Moderator: Dr. Sarita Kumari, Assistant Professor, Amity University Jharkhand

Google meet link:: **https://meet.google.com/mhs-jmnh-exr?authuser=1**

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24016	Palagiri Sameera Bhanu	Artificial Intelligence Based Chat Bot for Patient Health Care	2:00-2:15pm
2.	NMIC24017	K Neeraj Kumar	Advanced Intelligent Traffic Management System	2:16-2:30pm
3.	NMIC24018	Nurukurthi. Tarun Kumar	Deep Learning on Traffic Prediction Methods Analysis and Future Directions	2:31-2:45pm
4.	NCCS23041	Prajakta P. Shelke	Sarcasm Detection in Social Media Data Using Machine Learning Approaches	2:46-3:00pm
5.	NCCS23042	Navin Kumar	Performance Analysis of Algorithms for Indoor Environment Mapping and Localization	3:01-3:15pm
6.	NCCS23044	Rithika P	A Machine Learning Approach to Silkworm Pupae Gender Identification	3:16-3:30pm
7.	NCCS23045	Yashika Chaursia	AI-Based Diagnosis of Frontotemporal Dementia, Parkinson's, and Alzheimer's	3:31-3:45pm
8.	NMIC24146	Konda Kundana	Implementation of honey bee routing technique in mobile wireless sensor networks	3:46-4:00pm
9.	NMIC24150	Shifa Islam	Voice based e-mails for blind people	4:01-4:15pm

S.N.		Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
10.		NMIC24152	Bedabrata Biswas	Design and Simulation of a Suitable Micro Heater for Capacitive Gas Sensor	4:16-4:30pm
11.		NMIC24196	Arunraj V	3D Dipole Antenna for Energy Harvesting Applications	4:31-4:45pm
12.		NMIC24199	R.Ajithkumar	Secure online product recommendation system utilzing blockchain with sha-256 hash generation	4:46-500pm
13.		NMIC24208	Sachin Devendra Kohale	Design of an efficient selective stochastic model for delay-aware digital classification using NEXVS a7 FPGA	5:01-5:15pm
14.		NMIC24209	Priyansh Pathak	Fake Image Generation Using Generative AI for Cyber Security	5:16-5:30pm

Technical Session 1: Section C :

Communication Engineering & Cyber Security

Name of Session Chairman: Dr. J. B. Sharma, Associate Professor, Rajasthan Technological University, Kota

Name of Session Chairpersons:

Dr Gayathri S, Associate Professor, SJCE Mysuru

Dr. Yasha Jyothi M Shirur, Professor, B N M Institute of Technology, Bengaluru, Karnataka

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

Dr. Kamlesh Kumar Singh, Sr. Assistant Professor, ASET, AMITY UNIVERSITY LUCKNOW CAMPUS

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

Dr.B.Srilatha, Associate Professor , VTU Bangalore

Dr. Pooja Rani, Assistant Professor, University of Allahabad, Prayagraj, UttarPradesh, 211002

Dr. Jaishree Jain, Associate Professor, Ajay Kumar Garg Engineering College Ghaziabad

Group Coordinator/ Moderator: Prof.Hardik Mahendrabhai Patel, KSV, Kadi

Google meet link: https://meet.google.com/hpd-empt-shc?hs=122&authuser=4

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24114	Priyanshu Patra	DIET Recommendation System	2:00-2:15pm

2.	NMIC24121	P.Guru Siva Jayanth	Smart System for Presentation Using Gesture Control	2:16-2:30pm
3.	NMIC24123	Lakshmi Priya S	Deep-Learning Model for Wheat Disease and Pest Classification	2:31-2:45pm
4.	NMIC24136	Parth Seth	Green IoT Enabled Smart Water Management System	2:46-3:00pm
5.	NMIC24177	Malla Vivek Satya Sai	Blockchain-Powered Support Network for Health and Decentralized Fundraising Platform	3:01-3:15pm
6.	NMIC24178	M.UmaVani	Techno-economic analysis of a PV-Hyrogen production microgrid system serving a residential community	3:16-3:30pm
7.	NMIC24181	Harish M	Blockchain based police complaint management system	3:31-3:45pm
8.	NMIC24185	B.Puja Madhuri	Machine learning based IoT system for accident detection and prevention using GPS and GSM for vehicles	3:46-4:00pm
9.	NMIC24186	Ravi Theja Bulipe	Predictive food wastage analytics with RPA driven data extraction & supervised machine learning	4:01-4:15pm
10.	NMIC24187	Yogadharshini S	"Advancing Hospital Safety: Implementing Gas Sensors for Detecting Hazardous Gas Leakage"	4:16-4:30pm
11.	NMIC24188	Pathmapriya N	Diagnosis of Tobacco Related Organ Cancers	4:31-4:45pm
12.	NMIC24190	D. Sai Revanth	Secure Touch: IoT-Enabled Finger-Touch Authentication For Seamless Mobile Security	4:46-500pm
13.	NCCS23003	Shweta Suresh Pathak	Statistical Analysis and Classification of EEG Signal	5:01-5:15pm
14.	NCCS23004	Prashant Bansilal Patel	Use of Digital Twin Technology and Open Platform Communication-Unified Architecture (OPC-UA) for Labeller	5:16-5:30pm

Technical Session 1: Section D:

Embedded System, Green Energy & Internet of Things

Name of Session Chairman: Dr. Gargi Khanna, Associate Professor NIT Hamirpur

Name of Session Chair Persons:

Dr. M. UmaVani, Professor, LakiReddy Bali Reddy college of Engineering (Autonomous), Bangalore

Dr Aruna Kokkula, Assistant Professor, MVSR Engineering College, Hyderabad

Dr. Rajesh K S, Professor, Saintgits College of Engineering (Autonomous), Kottayam, Kerala

Dr. Tajinder Singh Arora, Associate Professor, Aligarh Muslim University, Aligarh UP

Dr. Amrita Rai, Professor, LLOYD Institute of Engineering and Technology, Knowledge Park II, Greater Noida-201306,

Dr Dolly Thankachan, Associate Professor. Oriental University, Indore

Dr.J. Indra Professor, KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu

Dr Vaishali Dhare, Assistant Professor, Institute of Technology, Nirma University, Ahmedabad

Group Coordinator/ Moderator: Dr. Prashant B. Patel, Assistant Professor, DIT Pimpri Pune

Google meet link: https://meet.google.com/zqi-skdd-tem?hs=122&authuser=5

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24024	Vihaan Ravishankar	Design and Implementation of an IoT-Based Patient Monitoring System for Comprehensive Vital Tracking and Secure Data Access	2:00-2:15pm
2.	NMIC24090	Sachin Deshmukh	Deep Learning Methodology for Impact Assessment on Education	2:16-2:30pm
3.	NMIC24091	Pragadeesh M	Smart Weight Scale Detection	2:31-2:45pm
4.	NMIC24092	Eshwar M	Advanced ML Framework for Botnet Detection and Neutralization	2:46-3:00pm
5.	NMIC24094	Vinodhini K	Real-Time Deep Learning Methodology for Pothole Diagnosis	3:01-3:15pm
6.	NMIC24097	Melvin Sanjay . J	Relay Transit Logistics Model	3:16-3:30pm

7.	NMIC24157	Dr. Jaishree Jain	Exploring Customer Churn Patterns in the Telecommunication Industry: A Comprehensive Analysis	3:31-3:45pm
8.	NMIC24159	Kovendan AKP	Exploring the Robustness of Gait Cycle and Gait Phase Recognition Using IMU Sensors	3:46-4:00pm
9.	NMIC24171	Vivek Kumar	Parkinson's Disease Prediction Using Machine Learning Technique	4:01-4:15pm
10.	NCCS23055	P. Kishor Kumar	e-vehicle solar-powered charging station with IoT	4:16-4:30pm
11.	NCCS23022	T J Jeyaprabha	Innovative Solar Energy Integration for Battery-Less Mobile Phones	4:31-4:45pm
12.	NCCS23025	Swapna Morkhade	Evaluation and implementation of machine learning methods for detecting and classifying faults in transmission line	4:46-500pm
13.	NCCS23026	Thirunavukkarasu G	A Novel Design of Pencil Beam Antenna for Beamforming at X-Band	5:01-5:15pm
14.	NCCS23027	Thirunavukkarasu G	An Efficient Channel Allocation in Crowded 5G Base Station	5:16-5:30pm

Program Details: Second Day: 14-04-2024:

NMIC-2024, NCCS-2023 & MSME-2023

Technical Session 2: Section A :

Nanoelectronics, Circuits & Machine Learning

Name of Session Chairman : Dr. Shylashree N., Associate Professor RV College of Engineering Bangalore (KA)

Name of Session Chair Persons:

Dr. Vimal Kumar Singh Yadav, Assistant Professor, Motilal Nehru National Institute of Technology Allahabad, Prayagraj

Dr. Shruti Garg Garg, Assistant Professor, Birla Institute of technology, Mesra Ranchi

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

Dr B Khaleelu Rehman, Associate Professor, CBIT,Hyderabad

Dr. Raj Kumar Singh, Assistant Professor Ranchi University Ranchi (JH)

Dr Abhishek Pandey, Associate Professor Usha Martin University Ranchi

Dr.K.Bharath Kumar, Associate Professor, JNTU Hyderabad

Dr. Bidyut Mahato, Assistant Professor, GCET Greater Noida

Group Coordinator/ Moderator : Dr. Gaurav Yadav, Assistant Professor, SoA University Bhubaneswar

Google meet link: https://meet.google.com/ics-qpea-kka?authuser=1&hs=122

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24004	Vihaan Ravishankar	Design and Implementation of an IoT-Based Patient Monitoring System for Comprehensive Vital Tracking and Secure Data Access	10:00-10:15am
2.	NMIC24007	Nancy Noella R S	Blockchain powered verifiable certificates	10:16-10:30am
3.	NMIC24086	Muhmmad Abrar R	Conditional Monitoring of Ship Engines using Tiny Machine Learning	10:31-10:45am
4.	NMIC24129	Abhishek Niraj	Criminal Identification System Using Photo Matching Across Distributed CCTV Surveillance Networks	10:46-11:00am
5.	NMIC24131	Ms. Shweta Bhalla	Moodsync Based Adaptive Music System	11:00-11:15am
6.	NMIC24155	Turio Sinha	Antennas for 5GApplications: A Review	11:16-11:30am
7.	NCCS23096	C.Lokanath Reddy	Assistive Device for Visually Impaired People with Haptic Feedback	11:31-11:45am
8.	NMIC24194	B.Ankayarkanni	AI Game Playing: Using Deep Reinforcement Learning	11:46am-12:00pm
9.	NMIC24195	B.Ankayarkanni	Automated Human Violence Detection using MobileNetV2 and Bidirectional LSTM Networks	12:01-12:15pm

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
10.	NMIC24214	Sachin Devendra Kohale	FPGA accelerator using optimized capsule neural network with localized adaptive dimension routing for image processing	12:16-12:30pm
11.	NCCS23097	Mr. Maddikera Krishna Reddy	Design and Development of Black Carbon Prediction and Monitoring System Using Arduino Micro Controller	12:31-12:45pm
12.	NMIC24219	V. Supraja	Advancing Early Cancer Diagnosis: Harnessing Photonic Crystal Fiber Biosensor Technology for Enhanced Sensitivity and Specificity	12:46-01:00pm
13.	NMIC24222	Garikapati Sai Charan	Plant disease detection using Artificial intelligence	01:01-1:15pm
14.	NCCS23006	Vaishnavi	A Comparative Analysis and Prediction of Lung Disease COVID Cases in India	01:16-1:30pm

Technical Session 2: Section B :

Signal Processing, Deep Learning & Computational Intelligence

Name of Session Chairman: Dr. V. Anandi, Associate Professor, MSRIT, Bengaluru

Name of Session Chair Persons:

Dr. Arpan Deyasi, Associate Professor, RCC Institute of Information Technology, Kolkata

Dr. P Bindu Swetha, Assistant Professor, JNTUH Hyderabad

Dr. Deepak Prasad, Assistant Professor, Sarla Birla University Ranchi

Dr. Navdeep Singh, Assistant Professor, MMEC, MMDU Mullana Ambala
Dr. Raj Kumari , Assistant Professor, IMS Engineering College Ghaziabad
Dr. Preeti Sadanand Topannavar, Assistant Professor, JSPM University Pune
Sh. Shreyaskumar Patel, Sr. Software Engineer, NetScout Systems, Inc., IEEE

Group Coordinator/ Moderator: Dr. Rahul Priyadarshi, Assistant Professor, SoA University Bhubaneswar

Google meet link: https://meet.google.com/mhs-jmnh-exr?authuser=1

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule

1.	NCCS23009	Shalini Mahato	Post Treatment analysis of Major Depressive Disorder using EEG Signal	10:00-10:15am
2.	NCCS23011.	Mousumi Jana Bala	Modeling and Simulation of LSPMSM for performance evaluation of permanent magnet under different temperature and load condition	10:16-10:30am
3.	NMIC24035	D. Devi	SMS Spam Detection using Deep Learning	10:31-10:45am
4.	NCCS23015	Vaishnavee Vijay Rathod	Remote Sensing Image Classification Feature Fusion Model Using Deep Learning	10:46-11:00am
5.	NCCS23092	B.Anusha	Creation and Application of a Co gas Monitoring System Using Arm Microcontrollers	11:00-11:15am
6.	NCCS23094	Dr.Y.Sreenivasula Goud	Design And Implementation Of Reducing Power Consumption In Multipliers Through Dynamic Accuracy control	11:16-11:30am
7.	NCCS23031	Rahul Gupta	Plant Inspired Meta-Heuristic Approach for Energy and Economic Management of Grid System	11:31-11:45am
8.	NCCS23035	P.Pavithara	High Speed 4 – Tap FIR Filter with Hybrid Full Adder and Dadda Multiplier using 18nm FinFET Technology	11:46am-12:00pm
9.	NMIC24036	D. Devi	Blockchain in Education Credential Verifier	12:01-12:15pm
10	NCCS23038	Glace Varghese T.	Performance Analysis of ML Algorithms for Brake System Failure Detection	12:16-12:30pm
11	NCCS23039	Sweta Mehta	Assessing Network Representation Methods to Enhance Cost Efficiency in Software Defect Prediction	12:31-12:45pm
12	NMIC24038	D. Devi	Anonymous and traceable group data sharing in cloud computing	12:46-01:00pm
13	NMIC24039	D. Devi	Stock market prediction using stacked long short-term memory	01:00-01:15pm

14	NCCS23046	Sasthika S	ENSEMBLE BASED PHISHING Attack Detection -A Survey	01:16-01:30pm

Technical Session 2: Section C :

Communication Engineering & Cyber Security

Name of Session Chairman : Dr. Bibhudendra Acharya, Associate Professor , NIT Raipur

 Name of Session Chair Persons:

Dr. A. Kalaivani, Associate Professor, Rajalakshmi Engineering College, Chennai

Dr. P. Pavithara, Assistant Professor, Kongu Engineering College, Erode

Dr. Vijay Verma, Sr. Scientist, ISRO Bangalore

Dr. Maddikera Krishna Reddy, Assistant Professor, G.Pullaiah College of Engineering and Technology

Dr Piyush Kumar Ojha, Assistant Professor, Birla Institute of Technology Mesra

Dr. D. Devi, Assistant Professor, Sathyabama University, Chennai

Group Coordinator/ Moderator : Dr. Shekhar Yadav, Assistant Professor, IET DSMNRU Lucknow

Google meet link: https://meet.google.com/hpd-empt-shc?hs=122&authuser=4

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24061	C. A. Daphine Desona Clemency	A Broad Analysis of Ultrasound Imaging for Ovarian Cyst Detection using Advanced Artificial Intelligence Techniques.	10:00-10:15am
2.	NMIC24101	Abhinav Anand	Adaptive Cyber Defence: A Machine Learning Approach to Intrusion Detection for Enhanced Network Security	10:16-10:30am
3.	NMIC24105	P.Tharunkumar	Corona-Virus Detection Using Web Management Platform for CT Scans	10:31-10:45am
4.	NMIC24110	Suryam Sourya	A Comprehensive Study on Personalized Apparel through Blockchain, Virtual Reality Fusion	10:46-11:00am
5.	NMIC24144	Nagabathula Lakshmi Gayathri	Development of skin lesion classification system based on watershed algorithm and custom CNN	11:00-11:15am

6.	NCCS23048	J. K Kasthuri Bha	Design of Low Power Ambipolar CNTFET-Based Digital Adders	11:16-11:30am
7.	NCCS23056	K.Venkata Shiva Reddy	Suggested architecture and Modeling of an IoT based mobile device smart energy	11:31-11:45am
8.	NCCS23057	M.Jayalakshmi	Face Recognition-Powered Vehicle Security and Ignition Systems	11:46am-12:00pm
9.	NCCS23058	M. Jyothirmai	5G technology: unlocking the future of connectivity	12:01-12:15pm
10.	NCCS23060	Ritu Dudhmal	Advances in Leaf Disease Detection: A Comprehensive Review of Methods and Techniques	12:16-12:30pm
11.	NCCS23065	K.Venkata Siva Reddy	IOT-based smart vehicle security and safety system	12:31-12:45pm
12.	NCCS23066	Kavya T	Analysis of Tomato Leaf Diseases using a Deep Learning Model	12:46-01:00pm
13.	NCCS23071	B.Anusha	A Transformation in How Diseases Are Treated and a Breakthrough Period for Medical Science	01:01-1:15pm
14.	NCCS23078	B.Surendiran	Comparative Analysis of Deep Learning Models for Air Quality Forecasting: LSTM, BI-LSTM, and GRU	01:16-1:30pm

Technical Session 2: Section D :

Embedded System, Green Energy & Internet of Things

Name of Session Chairman : Dr. Sujata S. Kotasbagi, Professor, KLE University Hubbali

Name of Session Chair Persons:

Dr. Pankaj Kumar Pal, Assistant Professor, National Institute of Technology Uttarakhand

Dr. Sudhir Sharma, Assistant Professor, Manipal University Jaipur

Dr Shalini Mahato, Assistant Professor, National Institute of Advanced Manufacturing Technology, Ranchi (NIAMT) Ranchi, (Formerly NIFFT)

Dr. Anil Kumar Verma, Assistant Professor, ICFAI University, Raipur

Dr.E.B.Priyanka, Assistant Professor, Kongu Engineering College, Erode

INDIAN SOCIETY FOR VLSI EDUCATION

RANCHI-835217 (JHARKHAND) INDIA

Dr. P. Paul, Associate Professor, Sarala Birla University, Ranchi

Group Coordinator/ Moderator : Mrs. Shankaramma, Assistant Professor, MSRIT Bengaluru

Google meet link: https://meet.google.com/zqi-skdd-tem?hs=122&authuser=5

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24009	Nancy Noella R S	A Machine Vision based Fire Fighting Robot with Real-Time Fire Localization	10:00-10:15am
2.	NMIC24010	Nancy Noella R S	Enforce fines for red light violations and white line crossing	10:16-10:30am
3.	NMIC24013	Nancy Noella R S	Distributed crowdfunding using Blockchain	10:31-10:45am
4.	NMIC24014	Nancy Noella R S	Loan amount prediction using multimodal machine learning	10:46-11:00am
5.	NMIC24015	Vaishali Dhare	Development of an e-platform for Result Generation and auto-e-mailing	11:00-11:15am
6.	NMIC24020	Arjoon Chatterjee	An IoT Based Health Monitoring System Design, Hardware Implementation and Testing	11:16-11:30am
7.	NMIC24021	Viren J Patel	Knowledge Representation of Contagious 2-Dimensional Surface Traversed by a Vehicle	11:31-11:45am
8.	NCCS23079	Purushottam Singh	Unmasking the Digital Illusion: A Comprehensive Bibliometric Analysis of Deepfake Detection Research	11:46am-12:00pm
9.	NCCS23083	Mohammed Abdul Nasar	Sierpinski Carpet Fractal Antenna Designed for S-Band and C-Band Applications	12:01-12:15pm
10.	NCCS23084	Pesay Gayathri	IoT-based smart water quality monitoring system design and development	12:16-12:30pm
11.	NCCS23089	G.Narmada	Detection of morphological features in rice grain using Sobel Edge Detector	12:31-12:45pm
12.	NCCS23098	Maddikera Krishna Reddy	Revolutionizing Weather Monitoring: Wireless Connectivity for Smart Weather	12:46-01:00pm

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
			Stations	
13.	NCCS23099	Maddikera Krishna Reddy	ITU-r path loss model of semi-arid region	01:01-1:15pm
14.	NCCS23105	Morasani Gangadhar Reddy	Transmission Gate-Based 12T SRAM Cell For Biomedical Applications	01:16-1:30pm

Lunch:- 1:30pm - 2:00pm

Technical Session 3: Section A:

Nanoelectronics, Circuits & Machine Learning

Name of Session Chairman : Dr Nukala Srinivasa Rao, Professor, Matrusri Engg College Hyderabad

Name of Session Chair Persons:

Dr. Vijay Nath, Associate Professor BIT Mesra Ranchi(JH)

Dr. Arpan Deyasi, Associate Professor RCC Institute of Information Technology, Kolkata

Dr. Tajinder Singh, Assistant Professor, NIT Uttarakhand

Dr. Chandrashekhar Azad, Assistant Professor, National Institute of Technology Jamshedpur

Dr. A. Kalaivani, Professor, Rajalakshmi Engineering College, Thandalam, Chennai.

Dr. Arun Patokar, Adjunct Professor, Government college of engineering Karad
Dr. Vishal Kumar Pandey, Associate Professor, University of Engineering and Management, Jaipur
Dr. Mukesh Patidar, Associate Professor, Indore institute of science and technology, Indore

Group Coordinator/ Moderator: Mr. Purushottam Singh, Research Scholar BIT Mesra

Google meet link : https://meet.google.com/ics-qpea-kka?authuser=1&hs=122

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24093	Pradeep Aadithan P	Emotion driven song transformation	2:00-2:15pm
2.	NMIC24111	Ayush Kumar	Advanced Authentication System: A Robust Authentication Methodology Incorporating Multiple Security Features	2:16-2:30pm

3.	NMIC24141	Updesh Kumar Jaiswal	Predicting Stock Market Trends with Long Short-Term Memory Recurrent Neural Networks in Machine Learning	2:31-2:45pm
4.	NCCS23012	E.Jahnavi	Design of 4 bit binary weighted DAC in 180nm CMOS technology	2:46-3:00pm
5.	NCCS23018	Subham Gupta	Real Time Audio Enhancement: CIC Filter Design for Improved FIR Filter Performance in Digital Signal Processing	3:01-3:15pm
6.	NCCS23049	Mukti Priya	Expert System for Medical Diagnostics based on Cloud Environment	3:16-3:30pm
7.	NCCS23053	Preetha K	A dual polarized stacked patch antenna for NAVIC receiver applications	3:31-3:45pm
8.	NCCS23054	Vennila A	Vehicle parking management system	3:46-4:00pm
9.	NCCS23103	Soumyadeep Bera	Gestures to Gameplay, a Hand Controlled Gaming Interface	4:01-4:15pm
10.	NCCS23104	Krishna Reddy Maddikera	Analysing the effects of propagation impairments using ITU-R model	4:16-4:30pm
11.	NCCS23108	Muralidharan.T	Smart college bus tracking system with occupancy detection and traffic analysis	4:31-4:45pm
12.	NCCS23111	Bandi Chandrashekhar	A Novel Method for The Realtime Detection of Helmet for The Safety Analysis	4:46-5:00pm

Technical Session 3: Section B :

Signal Processing, Deep Learning & Computational Intelligence

Name of Session Chairman: Dr Sachin Kumar Gupta, Associate Professor, Central University, Jammu

Name of Session Chair Persons:

Dr. Dindayal Mahto, Assistant Professor, School of Computing SASTRA University Thanjavur

Dr. Trupa Sarkar, Assistant Professor, Tripura Institute of Technology, Tripura

Dr. Anand Kumar Thakur, Assistant Professor Ranchi University Ranchi(JH)

Dr. Anil Shukla, Associate Professor, ASET AMITY University Noida

Dr. Sarita Kumari, Assistant Professor, Amity University Jharkhand

Dr. Rajesh Khatri, Associate Professor, Shri G. S. Institute of Technology and Science, Indore

Dr Jagadeesh Bodapati, Professor, BVC College of Engineering(A), Rajahmundry.

Dr P Rizwan Ahmed, Associate Professor, Mazharul Uloom College, Ambur

Group Coordinator/ Moderator: Dr. Pallavi Joshi, Assistant Professor, Amrita Vishwa Vidyapeetham Mysuru

Google meet link: https://meet.google.com/mhs-jmnh-exr?authuser=1

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC24023	Supraja	Enhancing Image Classification Through Data Analysis and Deep Learning Algorithm	2:00-2:15pm
2.	NMIC24057	Abhishek Raj	Analysis of Flight Delay Data	2:16-2:30pm
3.	NMIC24088	Kunal Giradkar	Machine Learning Approach to Sign Language Recognition using Teachable Machine	2:31-2:45pm
4.	NMIC24100	Aaditya Kumar	Student face recognition attendance management system using web 3.0	2:46-3:00pm
5.	NCCS23121	Donapati Madhurya	Monitoring through ai based remote access vehicle	3:01-3:15pm
6.	NCCS23126	Sweta Mehta	Evaluation of Advanced Feature Selection Techniques for Nested Deep Learning-Based Software Defect Prediction	3:16-3:30pm
7.	NCCS23131	Bhimineni Venkata Subbayamma	Co- circular design of dual-band microstrip patch antenna for 5g mobile terminals	3:31-3:45pm
8.	NCCS23134	Priyanshu Sharma	Drowsiness Detection System Using Haar Cascade Classifier	3:46-4:00pm
9.	NCCS23140	Vikash Kumar	An Efficient Mutual Authentication Scheme for Edge Computing Enabled IIoT	4:01-4:15pm
10.	NCCS23141	Madhusudhana Reddy Barusu	Battery Chargers for Electric Vehicles – A Review	4:16-4:30pm

11.	NCCS23144	M.Madhavi	Interconnection Of Vehicles Using Lifi Technology	4:31-4:45pm
12.	NCCS23141	Dr. Madhusudhana Reddy Barusu	Battery Chargers for Electric Vehicles – A Review	4:46-500pm

Technical Session 3: Section C :

Communication Engineering & Cyber Security

Name of Session Chairman: Dr. R.S. Yadav, Professor, J.K. Institute of Technology, Allahabad

Name of Session Chair Persons:

Dr. Rajesh Kumar Lal, Associate Professor, BIT Mesra Deoghar Campus

Dr. Sudhanshu Tripathi, Associate Professor, Amity University in Tashkent

Dr. Nagendra Kumar, Assistant Professor, NIT Jamshedpur

Dr. Muthumanickam, S., Associate Professor, RMK College of Engineering Chennai

Dr. Rohit Kumar Tiwari, Associate Professor, Madan Mohan Malaviya University of Technology Gorakhpur
Dr.Mili Sarkar, Associate Professor, Institute of Engineering and Management Kolkata

Dr. (Mrs) Nutan Lata, Assistant Professor, Doranda College, Ranchi University Ranchi

Group Coordinator/ Moderator: Dr. Priyanka Srivastava, Assistant Professor, Sarala Birla University Ranchi

Google meet link: https://meet.google.com/hpd-empt-shc?hs=122&authuser=4

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NCCS23081	Sivasubramanian S	A comparative study- Performance analysis of Free Space Optical Communication	2:00-2:15pm
2.	NCCS23091	Indrani Kammari	Intelligent traffic Management and violation detection systems based on IoT	2:16-2:30pm

3.	NMIC24067	E Vinothini	A Detailed Analysis of Emotion Analysis using Deep Learning with the help of EEG Signals	2:31-2:45pm
4.	NMIC24210	Manoj Kothur	Identification and Classification of Brain Tumor from MRI with Feature extraction by Deep Learning	2:46-3:00pm
5.	NMIC24174	Manav Sudhir Paluru	Crop Yield Production Using Ensemble Methods	3:01-3:15pm
6.	NMIC24211	Shibashish Chanda	Personalized AI advice system for agriculture	3:16-3:30pm
7.	NMIC24215	Mukesh Patida	Genetic Algorithm (GA) Approach for Side Lobe Level-Reduction (SLL-R) and Enhanced Directivity in Wireless Communication	3:31-3:45pm
8.	NMIC24122	Anoline Sofia	Revolutionizing Hostel Administration: A Comprehensive Hostel Management	3:46-4:00pm
9.	NMIC24052	Bellala Jahnavi	Fake Indian Currency Detection	4:01-4:15pm
10.	NCCS23077	Brij Prasad	Design of SPWM Converter for Improving the Performance of Hybrid Electric Vehicles	4:16-4:30pm
11.	NMIC24096	Rodda Naveen	Neural Network Based Student Disciplinary Management System	4:31-4:45pm
12.	NMIC24229	Preeti	Detection of Sepsis from Born Baby Cries using Automatic Recognition System	4:46-500pm

Technical Session 3: Section D:

Embedded System, Green Energy & Internet of Things

Name of Session Chairman: Dr. Uma S V, Professor, RNSIT, Bangalore

Name of Session Chair Persons:

Dr. Nitesh A. Ghodichor, Assistant Professor Priyadarshini College of Engineering, Nagpur
Dr. Arun Kumar, Associate Professor (Retd) Ranchi University Ranchi
 Dr. P. Latha, Associate Professor St. Joseph's College of Engineering
Dr S Amutha, Assistant Professor, Vellore Institute of Technology Chennai
Dr. Kumari Mamta, Associate Professor, Nalanda College of Engineering, Chandi

Dr. Yasha Jyothi M Shirur, Professor, BNMIT, Bangalore
Dr. Suraj Kumar Saw, Sr. Design Engineer, IC Tech Bangalore
Dr. Ashutosh Anand, Assistant Professor, Presidency University, Bangalore

Group Coordinator/ Moderator: Dr. K. Durgadevi, Assistant Professor, SRM Valliammai Engineering College, Kattankulathur

Google meet link: https://meet.google.com/zqi-skdd-tem?hs=122&authuser=5

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NCCS23036	Mukesh Kumar Sahay	Design of Low Power Memory Architecture Using 4T Content Addressable Memory Cell	2:00-2:15pm
2.	NMIC24050	Kiruthika T	Skin cancer Classification using SkinNet	2:16-2:30pm
3.	MSME23003	Ali Wassouf	Grid Freedom: Unleashing the Potential of Microgrids for Sustainable Energy Solutions	2:31-2:45pm
4.	MSME23004	Ali Wassouf	Evaluating the Control of a DAB Converter for an Application that involves EV Charging using SPS, TPS,DPS, and EPS	2:46-3:00pm
5.	NMIC24008	Dande Harshitha	IoT based Smart vehicle Security and Safety System	3:01-3:15pm
6.	NMIC24089	Harshal Chaudhari	Sustain Flow: An Innovative and Efficient Smart Traffic Monitoring and Management System	3:16-3:30pm
7.	NCCS23112	T. Tirupal	Learning-based Remote sensing image scene classification using Dual-path Aggregate features	3:31-3:45pm
8.	NCCS23116	Gude Ramarao	Utilizing Cross-Bilateral Filtering and Anisotropic Diffusion for Multimodal Medical Image Fusion	3:46-4:00pm
9.	NMIC24223	Manwendra Chauhan	Transforming Electronics: An Extensive Analysis of Hyper-FET Technological Developments and Utilization	4:01-4:15pm
10.	NMIC24228	Raj Hakani	Yolov8 Series Algorithm for Real time UAV Detection	4:16-4:30pm

11.	NMIC24226	Sachindra	Body Bias of Junction less Transistors for Analog Applications	4:31-4:45pm
12.	NMIC24227	Mamani Jyothirmai	Role of Character and Human based on Cyber Security	4:46-500pm
13.	NMIC24225	Mamta Devi Sharma	Analysis of Textile UWB Antenna for Wearable Applications	5:01-5:15pm
14.	NMIC24221	Vamsi Krishna	Traffic Flow Forecast Through Time Series Analysis based on Deep Learning	5:16-5:30pm

Valedictory Session & Award/Prize Declaration:

Meeting link: https://meet.google.com/ics-qpea-kka?authuser=1&hs=122

Members on Virtual Dais for Valedictory Session of NMIC-2024, NCCS-2023 & MSME-2023
1. **Prof. R.P. Yadav**, Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur   2. **Prof. D. K. Yadav,** Professor NIT Jamshedpur & President ISVE Ranchi   3. **Dr. Arun Kumar,** Ex-Director ECOM RU Ranchi & Chairman ISVE Ranchi   4. **Dr. Kavita Thakur,** Professor, Pt. Ravishankar Shukla University Raipur (CG**)**   5. **Dr. Gargi Khanna**, Associate Professor, NIT Hamirpur   6. **Dr. Vijay Nath** (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair of NMIC-2024, NCCS-2023 & MSME-2023   7. **Dr. Anand Kumar Thakur** (RU), Executive Member ISVE Ranchi & Organizing Secretary NMIC-2024, NCCS-2023 & MSME-2023   8. **Dr. Raj Kumar Singh (RU),** Executive Member ISVE Ranchi & Convener NMIC-2024, NCCS-2023 & MSME-2023
Valedictory Session

Time	Activity

5:30 pm-5:45pm	Welcome by **Dr. Arun Kumar** Chairman ISVE Ranchi
5:46 pm-5:50pm	Concluding remarks by **Dr. Vijay Nath**
5:51 pm-6:00pm	Program Elaboration by **Dr. Raj Kumar Singh**
6:01 pm-6:10pm	Short messages by Eminent persons available on virtual dais
6:11 pm-6:20pm	Impact of Conference/ Workshop on Education System NEP-2020 by **Prof. R. P. Yadav** & Declaration of Awards for participants
6:21 pm-6:25pm	Vote of Thanks by **Dr. Anand Kumar Thakur**
6:26 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.

NMIC-2024, NCCS-2023 & MSME-2023 Organizing Committee
Virtual Conference
ARTTC BSNL Ranchi-835217 (JH) India