



INDIAN SOCIETY FOR VLSI EDUCATION

RANCHI-835217 (JHARKHAND) INDIA

First Day Activity: 29.04.2023

Inaugural Session: NMIC-2023

Meeting link: <https://meet.google.com/esc-xfuy-quy?hs=224>

3rd International Conference on Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC-2023)	
Program Details: First Day: 29-04-2022: NMIC-2023	
Members on Virtual Dais NMIC-2023	
<ol style="list-style-type: none">1. Prof. R.P. Yadav, Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur (Guest of Honor & Keynote Speaker-1)2. Prof. D. K. Yadav, Professor NIT Jamshedpur & President ISVE Ranchi3. Prof. J.K. Mandal, Vice-Chancellor Raiganj University Raiganj & Co-Editor of NMIC-2023 (Chief Guest & Keynote Speaker-2)4. Dr. Arun Kumar, Ex-Director ECOM RU Ranchi & Chairman ISVE Ranchi5. Dr. Vijay Nath (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair NMIC-20236. Sh. Samuel Harrison, Fellow Member of ISVE & Semiconductor Professional Singapore & ISVE City Coordinator Singapore Chapter & Invited Speaker7. Dr. Anand Kumar Thakur(RU), Executive Member ISVE Ranchi & Organizing Secretary NMIC-20238. Dr. Raj Kumar Singh (RU), Executive Member ISVE Ranchi & Convener NMIC-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 11:20am	Keynote Lecture1: Prof. R.P. Yadav Former VC RTU Kota



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11:20am to 11:50am	Keynote Lecture 2: Prof. J.K. Mandal, Vice-Chancellor Raiganj University
11:50am to 12:50pm	Invited Lecture: Sh. Samuel Harrison, Semiconductor Professional Singapore
12:50pm to 1:00pm	Vote of Thanks by Dr. Anand Kumar Thakur
1:00pm to 2:00pm	LUNCH

Important Notes:

There will be a two-day technical session of NMIC-2023. On 29-04-2023 will be Inaugural session and two technical sessions 1A, 1B and on 30.04.2023 will be two technical sessions 2A, 2B, and technology demonstration session & 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 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. Siddharth Singh FOET, Assistant Professor University of Lucknow, Lucknow UP

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

Dr. Sanmukh Kaur, Associate Professor, ASET AMITY University Noida

Dr. N. Ashokkumar, Professor, Mohan Babu University, Tirupathi

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

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

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S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC23005	Poonam Moral	Improving Performance of Ensemble Learners for Breast Cancer Detection using Feature Engineering	2:00-2:15pm
2.	NMIC23006	Soumya Pandey	Application of Artificial intelligence in addressing Land degradation: A case study of Jumar watershed, Ranchi, Jharkhand	2:16-2:30pm
3.	NMIC23015	Atharva Raut, Rajkumar Dongre	PlantJeevan:Plant Disease Detection Android Application Using Deep Learning	2:31-2:45pm
4.	NMIC23020	Badal Nishant	Review on Machine Learning based Visual Inspection System	2:46-3:00pm
5.	NMIC23024	Kunal Pawar	Resume Screening and Ranking	3:01-3:15pm
6.	NMIC23026	Manjot Kaur Bhatia	Hybrid shark and bear smell optimization algorithm with deep neural network for sentiment analysis	3:16-3:30pm
7.	NMIC23027	Manjot Kaur Bhatia	Development of Secure Access System	3:31-3:45pm
8.	NMIC23030	Shweta Pathak	Classification of Electroencephelogram (EEG) Signals Using Linear Discriminant Analysis	3:46-4:00pm
9.	NMIC23032	U P Prashasthi Sagar	A review of Graphical Password Authentication	4:01-4:15pm
10.	NMIC23033	Harshita Singh	A Critical Study and analysis to the Development of Potential Ester-Water Separation Membrane Materials for Ester-Filled Power Transformers	4:16-4:30pm
11.	NMIC23034	Manjula T R	Comprehensive study of soil moisture measurements for agriculture applications	4:31-4:45pm
12.	NMIC23040	Alumuru Mahesh Reddy	Smart Bore Well Child Resue System Using Arduino	4:46-5:00pm



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Technical Session 1: Section B :

Signal Processing & Deep Learning

Name of Session Chairman: Dr. B. Acharya, Associate Professor, National Institute of Technology, Raipur

Name of Session Chair Persons:

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

Dr. Asok Kumar K , Assistant Professor, Matrusri Engineering College, Saidabad, Hyderabad, Telangana-59

Dr Sachin Kumar Gupta, Assistant Professor, Shri Mata Vaishno Devi University Katra Jammu

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. Sarita Kumari, Assistant Professor, Amity University Jharkhand

Dr Hemantkumar B Jadhav, Associate Professor, Savitribai Phule Pune University Pune

Dr. Sumit Srivastava, Assistant Professor, BIT Mesra Ranchi

Group Coordinator/ Moderator: Mrs Snehitha Reddy, Research Scholar BIT Mesra

Google meet link:: <https://meet.google.com/esh-oysz-usv>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC23041	Jinay Jain	Driver Drowsiness Detection with Energy Monitoring	2:00-2:15pm
2.	NMIC23042	Zainab Aizaz	Energy Efficient FPGA Based Approximate Neural Networks	2:16-2:30pm
3.	NMIC23044	Yuvan Shankar J	Design of Efficient Booth Multiplier based FIR Filter	2:31-2:45pm
4.	NMIC23045	Mr.S.Syedsafi	Fully Automatic Two-Stages of Brain Tumour Extraction using GLCM and CNN	2:46-3:00pm
5.	NMIC23047	Shreya Patil	Automated Irrigation System	3:01-3:15pm
6.	NMIC23050	Neha Kumari	A Negative Dispersive Temperature Sensor for H-Shaped Photonic Crystal Fiber Filled with Ethanol and Air	3:16-3:30pm
7.	NMIC23051	Abhigya Verma	Comparing Machine Learning Algorithms' Performance on Classification of Disaster	3:31-3:45pm



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			Tweets	
8.	NMIC23052	Amritansh Singh	Metamaterial Inspired Microstrip Patch Antenna for WLAN/WiMAX Applications	3:46-4:00pm
9.	NMIC23054	Manisha Singh	E-Shaped Photonic Crystal Fiber for Sensing Temperature Filled with Propanol and Air.	4:01-4:15pm
10.	NMIC23060	Pragati Hiwale	Car Parking Slot Detection using Convolutional Neural Networks	4:16-4:30pm
11.	NMIC23061	Tanya Ojha	Tumor Detection System Using Machine Learning	4:31-4:45pm
12.	NMIC23063	A Ishita Reddy	A Secure Web Interface for Face Based Identification of Missing Children Through Logging and Searching	4:46-500pm

Second Day Activity: 30.04.2023

Technical Session 2: Section A :

Embedded System, Green Energy & Internet of Things

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

Name of Session Chair Persons:

Dr. Shylashree N., Associate Professor RV College of Engineering Bangalore (KA)

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

Dr. Swagata Bhattacharjee, Assistant Professor, JISCE, Kalyani

Dr. M. Uma Vani, Professor, LakiReddy Bali Reddy College of Engineering, Bangalore

Dr. K. Deepti, Associate Professor, Vasavi College of Engg, Osmania University Hyderabad-31

Dr. N. Ramana, Associate Professor, Kakatia University Warangal Telangana

Dr. Gaurav Agarwal, Assistant Professor, KIET Group of Institution, Ghaziabad

Dr Abhishek Pandey, Associate Professor Usha Martin University Ranchi

Group Coordinator/ Moderator : Gaurav Yadav, Research Scholar NIT Jamshedpur (JH)

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S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC23064	Puli Venkateswarlu	Hybrid Recommender System for Tourism Using AI	10:00-10:15am
2.	NMIC23066	Kumari Bhawana	Pipelined Multilayer AI-Based Point-of-Care Model for Diagnosis of Spinal Cord Disorders in Big Clinical Data	10:16-10:30am
3.	NMIC23067	Vidit Bharuka,	Density-Based Traffic Light Controller Using Arduino and IR Sensors	10:31-10:45am
4.	NMIC23069	Vartika Chaurasia	COVID-19 Safety Protocol Measuring (CSPM) System	10:46-11:00am
5.	NMIC23072	Soumyadip Payra	Crushing Transformers with Randomized Bit Flip Attack Using Gradient Tracing	11:00-11:15am
6.	NMIC23074	Ashi Gupta	Student management system using ODOO	11:16-11:30am
7.	NMIC23081	Jeevaneshwaran M	Predicting students' successfulness by choosing appropriate attributes with machine learning techniques	11:31-11:45am
8.	NMIC23085	Nandini K P	IoT Enabled Covid-19-Based Lung and Heart Disease Identification Using a Bayesian Neural Network with a Hybrid Optimization Approach	11:46am-12:00pm
9.	NMIC23087	R. Sittalatchoumy	Analysis of Pruned DFT Spread Filter Bank Multicarrier System for Low PAPR	12:01-12:15pm
10.	NMIC23089	Shobhit Harit	AI and Fake Image Detection Software	12:16-12:30pm
11.	NMIC23090	Abhishek Kumar	A Novel Linear Regression based Filter for Removing High Density Impulse Noise	12:31-12:45pm
12.	NMIC23096	Yuvraj Yedle	Exploring the Landscape of Mobile Operating Systems: A Comprehensive Survey	12:46-01:00pm



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Technical Session 2: Section B :

Communication Engineering & Cyber Security

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

Name of Session Chair Persons:

Dr. V. Anandi, Associate Professor, MSRIT, Bengaluru

Dr. Prashant V. Joshi, Associate Professor, Reva University Bangalore

Dr. Mahesh Angira, Assistant Professor, National Institute of Technology, Hamirpur

Dr Prashant Bansilal Patel, Associate Professor, DYPVP Pune

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

Dr. Sarika Pal, Assistant Professor, National Institute of Technology Uttarakhand

Dr. B. Surindiran, Associate Professor, National Institute of Technology Puducherry

Dr. Gaurav Agarwal, Associate Professor, EXTC and University of Mumbai

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

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

Google meet link: <https://meet.google.com/esh-oysz-usv>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	NMIC23097	Dr Rajesh Kumar	Computed Tomography Image Reconstruction for Disease Prediction: A Systematic Review	10:00-10:15am
2.	NMIC23099	Sanyam Ahuja	Photovoltaic Plant Yield Prediction Using Deep Learning Networks	10:16-10:30am
3.	NMIC23100	Meenakshi	Review on Obstacle Detection Based Collision Avoidance System	10:31-10:45am
4.	NMIC23101	Jayaraj P B	A W-Net based architecture with Residual block for Liver segmentation	10:46-11:00am
5.	NMIC23102	Pooja	Fuzzy logic-based Sentiment Analysis	11:00-11:15am
6.	NMIC23103	Sudhakar Singh	Medical Image Analysis for Detection, Treatment and Planning of Disease using Artificial Intelligence Approaches	11:16-11:30am
7.	NMIC23104	Ravirala Tagore	Real-Time Driver Drowsiness Detection Through Visual Behavior	11:31-11:45am



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		Maharshi	Analysis and SVM Algorithm	
8.	NMIC23107	Vijay Kumar Karan	Hybrid control using Fuzzy Logic and Adaptive Space Vector Modulation for Reduction of Torque Ripples in PM-BLDC Motor Drive	11:46am- 12:00pm
9.	NMIC23110	Priyanka Pandey	A Novel Method of Dynamic Wireless Charging Using Inductive Coupling	12:01-12:15pm
10.	NMIC23115	Ashu Sharma	Detection of plant Diseases using Convolutional Neural Network & Augmented Techniques	12:16-12:30pm
11.	NMIC23055	Patni Ayush	Blockchain-Based Land Registries System	12:31-12:45pm
12.				12:46-01:00pm

Lunch:- 1:00-2:00pm

Technology Demo Session (2:00pm to 4:00pm)

Meeting link: <https://meet.google.com/esh-oysz-usv>

Valedictory Session & Award/Prize Declaration:

Meeting link: <https://meet.google.com/esc-xfuy-quy?hs=224>

Members on Virtual Dais for Valedictory Session of NMIC-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



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3. **Dr. Arun Kumar**, Ex-Director ECOM RU Ranchi & Chairman ISVE Ranchi
4. **Dr. Gargi Khanna**, Associate Professor, NIT Hamirpur
5. **Dr. Vijay Nath** (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair of NMIC-2023
6. **Dr. Anand Kumar Thakur** (RU), Executive Member ISVE Ranchi & Organizing Secretary NMIC-2023
7. **Dr. Raj Kumar Singh (RU)**, Executive Member ISVE Ranchi & Convener NMIC-2023

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
5:51 pm-6:10pm	Impact of Conference/ Workshop on Education System by Prof. R. P. Yadav & 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



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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-2023 Organizing Committee

Virtual Conference

ARTTC BSNL Ranchi-835217 (JH) India