



**INDIAN SOCIETY FOR VLSI EDUCATION**

**RANCHI-835217 (JHARKHAND) INDIA**

**First Day Activity: 27.04.2025**

**Inaugural Session: NMIC-2025, NCCS-2024 & MSME-2024**

**Meeting link: <https://meet.google.com/wkn-rvxd-zct>**

**5th International Conference on  
Nanoelectronics, Machine Learning, Internet of  
Things & Computing Systems (NMIC-2025)**

**&**

**10th International Conference on  
Nanoelectronics, Computational Intelligence &  
Communication Systems (NCCS-2024)**

**&**

**2<sup>nd</sup> International Conference on  
Materials Science and Manufacturing Engineering  
(MSME-2024)**

**Program Details: First Day: 27-04-2025:**

**NMIC-2025, NCCS-2024 & MSME-2024**

**Members on Virtual Dais of NMIC-2025, NCCS-2024 & MSME-  
2024**

1. **Prof. R.P. Yadav**, Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur and Brand Ambassador of ISVE Ranchi (**Chef Guest & Keynote Speaker-1**)
2. **Prof. D. K. Yadav**, Professor NIT Jamshedpur & President ISVE Ranchi
3. **Sh. K.K. Thakur**, Former CGMT BSNL Jharkhand Circle Ranchi & Brand Ambassador of ISVE



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Ranchi (Guest of Honor)

4. **Dr. Arun Kumar**, Former 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-2025, NCCS-2024 & MSME-2024
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 **(Keynote Speaker 2)**
8. **Sh. Samuel Tensingh**, Associate Lecturer, University of Sydney, Australia and Fellow Member of ISVE Ranchi & City Coordinator of ISVE Chapter Sydney, Australia **(Keynote Speaker 3)**
9. **Dr. Anand Kumar Thakur** (RU), Executive Member ISVE Ranchi & Organizing Secretary NMIC-2025, NCCS-2024 & MSME-2024
10. **Dr. Raj Kumar Singh** (RU), Executive Member ISVE Ranchi & Convener NMIC-2025, NCCS-2024 & MSME-2024

## Inaugural Session Details:

Time	Activity
10:00am to 10:10am	Welcome by <b>Prof. D. K. Yadav</b> President ISVE Ranchi
10:10 am to 10:20am	Introduction by <b>Dr. Vijay Nath</b>
10:20 am to 10:30am	Program Elaboration by <b>Dr. Raj Kumar Singh</b>
10:30am to 10:50am	Short messages by Eminent people available on virtual dais & Introduction to Reviewers
10:50am to 11:05am	Keynote Lecture1: <b>Prof. R.P. Yadav Former VC RTU Kota</b>
11:05am to 11:20am	Keynote Lecture 2: <b>Sh. Sheyaskumar Patel</b> , Sr. Software Engineer, NetScout Systems Inc, IEEE, Anna, Texas and Distinguished Fellow Member of ISVE Ranchi
11:20am to 11:35am	Keynote Lecture 3: <b>Sh. Samuel Tensingh</b> , Associate Lecturer, University of Sydney, Australia and Distinguished Fellow Member of ISVE Ranchi
11:35 am to 12:00pm	Vote of Thanks by <b>Dr. Anand Kumar Thakur</b>
12:10pm to 1:30pm	Lunch

## Important Notes:



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There will be a two-day technical session of **NMIC-2025, NCCS-2024 & MSME-2024**. On 27-04-2025 will be the Inaugural session, expert lecture and two technical sessions 1A, 1B, 1C and on 28.04.2024 will be no technical sessions.

**Lunch:- 1:00-2:00pm**

## Technical Session 1: Section A:

### Nanoelectronics, Circuits & Machine Learning

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

**Name of Session Chair Persons:**

Dr Nukala Srinivasa Rao, Professor, Matrusri Engineering College Hyderabad & Fellow Member of ISVE Ranchi

Dr. Vijay Nath, Associate Professor BIT Mesra Ranchi(JH) & Fellow Member of ISVE Ranchi

Dr. Shylashree N, Associate Professor, RV College of Engineering, Bangalore & Fellow Member ISVE Ranchi

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

Dr. Tajinder Singh, Associate Professor, Aligarh Muslim University, Aligarh & Member ISVE Ranchi

Dr. Manisha Yadav, Assistant Professor, IET, Dr Rammanohar Lohia Avadh University Faizabad

Dr, Nitesh Ghodichor, Assistant Professor, Priyadarshini College of Engineering, Nagpur

Dr Meena Singh, Assistant Professor, BIT Mesra & Distinguished Fellow Member of ISVE Ranchi

Dr. Harshada V. Mhetre, Assistant Professor, Bharati Vidyapeeth Deemed to be University College of Engineering Pune & Fellow Member of ISVE Ranchi

**Group Coordinator/ Moderator:**

Ms Divya Sharma, Research Scholar BIT Mesra

Ms. Buvana M, Assistant Professor, PSNA College of Engineering and Technology

**Google meet link :** <https://meet.google.com/wkn-rvxd-zct>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	Expert	Dr. Jeet	Antenna Design & Analysis	2:00-2:15pm



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2.	Lecture 1	<b>Banerjee</b>		2:16-2:30pm
3.		Adamas University Kolkata		2:31-2:45pm
4.	NMIC25001	Sushma Patil	Automated Soldier Support Using Drone	2:46-3:00pm
5.	NMIC25002	Nitesh Ghodichor	A Comprehensive Investigation of 3D Game Development with Unreal Engine	3:01-3:15pm
6.	NMIC25003	Sushanth Jonna	Smart Farming: The role of Machine Learning in Agriculture	3:16-3:30pm
7.	NMIC25009	Neha Jain	A Comparison of Efficient Biomedical Applications for Enhancement of Illumination Characteristic	3:31-3:45pm
8.	NMIC25030	Satvik Chaurasia	An adaptive growing pruning algorithm to optimize dynamic feed forward neural networks for Nonlinear Dynamic System Identification	3:46-4:00pm
9.	NMIC25031	Lipika Datta	Multivariate Deep Learning Bidirectional LSTM Model for Forecasting Solar Radiation considering Different Climate Zones over India	4:01-4:15pm
10.	NMIC25032	Manisha Yadav	Grass Cutter and Pesticide Sprayer Solar Powered Spider Robot	4:16-4:30pm
11.				4:31-4:45pm

## Technical Session 1: Section B :

### Signal Processing, Deep Learning & Computational Intelligence

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

**Name of Session Chair Persons:**

Dr. M. Prasad, Assistant Professor, Shri Vishnu Engineering College for Women(A), Bhimavaram, AP & Fellow Member of ISVE Ranchi



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Dr. Pankaj Kumar Pal, Assistant Professor, National Institute of Technology Uttarakhand & Fellow Member of ISVE Ranchi

Dr. Raj Kumar Singh, Assistant Professor, Ranchi University, Ranchi & Fellow Member of ISVE Ranchi

Dr. Latha P, Associate Professor, St. Joseph's College of Engineering, Chennai & Fellow Member of ISVE Ranchi

Dr. Asok Kumar K , Assistant Professor, Matrusri Engineering College, Saidabad, Hyderabad, Telangana-59 & Fellow Member of ISVE Ranchi

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

Dr. M.V. Patil, Associate Professor, Bharati Vidyapeeth Deemed to be University College of Engineering Pune & Distinguished Fellow Member of ISVE Ranchi

Dr. Nutan Lata, Assistant Professor, Doranda College, Doranda, Ranchi University Ranchi

Dr Shekhar Yadav, Assistant Professor, IET DSMNRU Lucknow & Member of ISVE Ranchi

## Group Coordinator/ Moderator:

Mrs Snehitha Reddy, Research Scholar BIT Mesra

Dr Rahul Priyadarshi, Assistant Professor, SoA University Bhubaneswar

Google meet link: <https://meet.google.com/nha-crgw-fye>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	Expert Lecture 2	Dr Ajay Kumar Roy University of Bisha Saudi Arabia	Hybrid Multi-Objective Optimization for Sustainable IoT Deployment in 5G Networks Leveraging Hadoop for Enhanced Coverage and Energy Efficiency	2:00-2:15pm
2.				2:16-2:30pm
3.				2:31-2:45pm
4.	NMIC25018	Mangal Patil	Exploring Generative Adversarial Networks for Music Synthesis: A Concise Review	2:46-3:00pm
5.	NMIC25019	Mangal Patil	Exploring Generative Adversarial Networks for Music Synthesis: A Concise Review	3:01-3:15pm
6.	NMIC25033	Hareshwar Prasad	Cybersecurity and Digital Transformations: Issues in the Information Age	3:16-3:30pm
7.	NMIC25036	Arnav Jha	Tune Music App: A Personalized AI-Driven Music Streaming Platform	3:31-3:45pm
8.	NMIC25039	Pawan	Harnessing GPT-2 Sequence Models for	3:46-4:00pm



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			Sentiment Analysis on Twitter Data	
9.	NMIC25040	Rupanjali Debbarma	Smart Agriculture: Leaf Disease Detection Using Machine Learning and UAV Imaging.	4:01-4:15pm
10.	NMIC25041	Ayush Kumar Rai	Smart Bio-Energy: A Review of IoT-Integrated Biogas Power Generation Systems	4:16-4:30pm
11.				4:31-4:45pm

## Technical Session 1: Section C :

### Communication Engineering & Cyber Security

**Name of Session Chairman:** Dr J B Sharma, Associate Professor, Rajasthan Technical University, Kota

**Name of Session Chair Persons:**

Dr. Adesh Kumar, Professor, UPES University Dehradun, UK

Dr. Sarika Pal, Assistant Professor, National Institute of Technology UK. & Fellow Member of ISVE Ranchi

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

Dr. Meena Rao, Dept. of ECE, Maharaja Surajmal Institute of Technology, GGSIPU & Distinguished Fellow Member of ISVE Ranchi

Dr Neeti Singh, Scientist C, India Meteorological Department, New Delhi & Fellow Member of ISVE Ranchi

Dr. Arun Kumar, Former Director ECOM, Ranchi University Ranchi & Fellow Member of ISVE Ranchi

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

Dr. Sarita Kumari, Assistant Professor, Amity University Jharkhand & Fellow Member of ISVE Ranchi

**Group Coordinator/ Moderator:**

Dr. Chanchala Kumari, Assistant Professor, ICFAI University, Jharkhand

Dr. Bidyut Mahato, Assistant Professor, Galgotias College of Engineering and Technology, Greater Noida & Member of ISVE Ranchi

**Google meet link:** <https://meet.google.com/fxc-ioyo-dpw>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	<b>Expert</b>	<b>Dr Neeti Singh,</b>	Satellite Meteorology	2:00-2:15pm



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2.	<b>Lecture 3</b>	India		2:16-2:30pm
3.		Meteorological Department, New Delhi		2:31-2:45pm
4.	NCCS24001	Shaifali Rao	Enhancing Security with Machine Learning- Based Intrusion Detection in 5G Networks	2:46-3:00pm
5.	NCCS24005	G. Sai Varshitha	A Fuzzy Inference System for Disease Diagnosis Through Blood Report Analysis	3:01-3:15pm
6.	NCCS24006	Yavanika N	Optimizing Spectrum Sensing using Average Slope Detection and Machine Learning Techniques	3:16-3:30pm
7.	NCCS24009	Rahul Kumar Raj	A 406.08pW CMOS Temperature Sensor with Sensing Range 20°C to 100 °C	3:31-3:45pm
8.	NCCS24025			3:46-4:00pm
9.	NCCS24045	Shobana R	Optimizing feed forward Neural Networks for Nonlinear Dynamic System Identification with Adaptive Learning rate and Pruning algorithm	4:01-4:15pm
10.	MSME24002	Revanasiddappa M	Transport, EMISE and Humidity Sensing studies of Polyaniline-Cobalt Ferrite Nanocomposites.	4:16-4:30pm
11.				4:31-4:45pm

## Valedictory Session & Award/Prize Declaration:

**Meeting link:** <https://meet.google.com/wkn-rvxd-zct>

<b>Members on Virtual Dais for Valedictory Session of NMIC-2025, NCCS-2024 &amp; MSME-2024</b>	
1.	<b>Prof. R.P. Yadav</b> , Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur
2.	<b>Prof. D. K. Yadav</b> , Professor NIT Jamshedpur & President ISVE Ranchi
3.	<b>Dr. Arun Kumar</b> , Ex-Director ECOM RU Ranchi & Chairman ISVE Ranchi
4.	<b>Dr. Kavita Thakur</b> , Professor, Pt. Ravishankar Shukla University Raipur (CG)





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<b>5. Dr. Gargi Khanna</b> , Associate Professor, NIT Hamirpur <b>6. Dr. Vijay Nath</b> (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair of NMIC-2025, NCCS-2024 & MSME-2024 <b>7. Dr. Anand Kumar Thakur</b> (RU), Executive Member ISVE Ranchi & Organizing Secretary NMIC-2025, NCCS-2024 & MSME-2024 <b>8. Dr. Raj Kumar Singh (RU)</b> , Executive Member ISVE Ranchi & Convener NMIC-2025, NCCS-2024 & MSME-2024	
<b>Valedictory Session</b>	
<b>Time</b>	<b>Activity</b>
5:30 pm-5:45pm	Welcome by <b>Dr. Arun Kumar</b> Chairman ISVE Ranchi
5:46 pm-5:50pm	Concluding remarks by <b>Dr. Vijay Nath</b>
5:51 pm-6:00pm	Program Elaboration by <b>Dr. Raj Kumar Singh</b>
6:01 pm-6:10pm	Short messages by Eminent people available on virtual dais
6:11 pm-6:20pm	Impact of Conference/ Workshop on Education System NEP-2020 by <b>Prof. R. P. Yadav</b> & Declaration of Awards for participants
6:21 pm-6:25pm	Vote of Thanks by <b>Dr. Anand Kumar Thakur</b>
6:26 pm-6:30pm	<b>Virtual High Tea</b>

## 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 people, and the coordination committee for excellent support.

Thanks & regards

**NMIC-2025, NCCS-2024, MSME-2024 Organizing Committee**

**Virtual Conference**

ARTTC BSNL Ranchi-835217 (JH) India