

First Day Activity: 23.10.2021

Inaugural Session: MCMI-2021 & SECS-2021

Meeting link: <https://meet.google.com/nxv-xnia-trn>

**2nd International Conference on
Microelectronics, Communication Systems,
Machine Learning & Internet of Things
(MCMI-2021)
2nd International
Science Exhibition Congress Symposium
(SECS-2021)**

Program Details: First Day: 23-10-2021: & SECS-2021 & MCMI-2021

Members on Virtual Dais SECS-2021 & MCMI-2021

1. **Dr. Parul Patel** (RESPOND Head) SAC ISRO Ahmadabad – **Chief Guest & Keynote Speaker**
2. **Dr. D.K. Yadav** (President ISVE) Professor, National Institute of Technology Jamshedpur
3. **Sh. N.N. Mishra** (Scientist –E) Technical Director NIC Ranchi – **Guest of Honor**
4. **Dr. Arun Kumar** (Chairman ISVE) Director ECOM, Ranchi
5. **Mr. Deekshith Krishnegowda** (Staff Engineer) at Marvell Technology Inc. at Santa Clara California – **Invited Speaker -1**
6. **Dr. Vijay Nath** (BIT Mesra Ranchi), Honorary Treasurer IETE Ranchi Centre & Executive Member ISVE Ranchi- **General Chair SECS-2021 & MCMI-2021**
7. **Dr. Anand Kumar Thakur**(RU), Executive Member ISVE Ranchi - **Organizing Secretary MCMI-2021 & SECS-2021**
8. **Dr. Raj Kumar Singh (RU)**, Executive Member ISVE Ranchi - **Convener MCMI-2021& SECS-2021**

Inaugural Session Details:

Time	Activity
10:00am to 10:30am	Welcome by Dr. Arun Kumar Chairman ISVE Ranchi
10:30 am to 10:50am	Introduction by Dr. Vijay Nath
10:50 am to 11:10am	Program Elaboration by Dr. Raj Kumar Singh
11:10am to 11:50am	Short messages by Eminent persons available on virtual dais

11:50pm to 12:20pm	Keynote Lecture1: Dr. Parul Patel (RESPOND Head) SAC ISRO Ahmadabad
12:20pm to 12:50pm	Invited Lecture 2: Mr. Deekshith Krishnegowda (Staff Engineer) at Marvell Technology Inc. at Santa Clara California, USA
12:50pm to 1:00pm	Vote of Thanks by Dr. Anand Kumar Thakur
1:00pm to 2:00pm	LUNCH

Important Notes: There will be two days technical session of MCMI-2021 & SECS-2021. On 23-10-2021 will be Inaugural session and two technical sessions 1A, 1B and on 24.10.2021 will be two technical sessions 2A, 2B and two online Invited Lecture sessions & valedictory session. All are requested to join the session on time.

Technical Session 1: Section A:

Signal Processing & Cloud Computing

Name of Session Chairman : Prof. J.K. Mandal, Professor Kalyani University Kalyani (WB)				
Name of Session Chair Persons:				
Dr. J.B. Sharma, Associate Professor RTU Kota (RJ)				
Dr. Vijay Nath, Associate Professor BIT Mesra Ranchi(JH)				
Dr. B. Acharya, Assistant Professor NIT Raipur				
Dr. Uma S V, Professor, RNSIT, Dr. Vishnu Vardhan road, Channasandra, Bangalore-560098				
Dr. Sujata Sanjay Kotabagi, Professor K L E Technological University, Hubballi				
Dr. Adesh Kumar, Associate Professor UPES Univ. Dehradun				
Dr. Arumita Biswas, Sub Divisional Engineer, BSNL Kolkata				
Dr. Chandrashekhar Azad, Assistant Professor NIT Jamshedpur				
Dr. Vimal Kumar Singh Yadav, Assistant Professor BIT Mesra				
Group Coordinator/ Moderator: Rajesh Khatri & Divya Sharma				
Google meet link : https://meet.google.com/nxv-xnia-trr				
S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	SECS21001	Dinesh Raj N	Lung Cancer Detection Using CNN Method	2:00-2:15pm
2.	SECS21002	Pinnam Reddy	Optical Recognition of Diseases Using Programming and Mobile phone App	2:16-2:30pm
3.	SECS21003	Namburi Priyanka	Future Scope and Uses of Augmentedreality	2:31-2:45pm
4.	SECS21006	Yabish Jamil	Robust License Plate Recognition based on YOLO Deep Learning	2:46-3:00pm

5.	SECS21009	Jasmine Vijitrha A	A Novel Method of Ambient RF Energy Harvesting and Mobile Charging Using Patch Antenna	3:01-3:15pm
6.	SECS21010	Jasmine Vijitrha A	Rain Sensor and Automatic Irrigation System using Soil Moisture Sensor	3:16-3:30pm
7.	SECS21011	Jasmine Vijitrha A	Design of Women Safety Gadgets for Self-Protection	3:31-3:45pm
8.	SECS21012	P.Arthi Devarani	Survey on Gait Recognition Using Intelligence Modals	3:46-4:00pm
9.	SECS21016	Sujata S Kotabagi	Design and Implementation of 6T SRAM CellPrashant	4:01-4:15pm
10.	SECS21019	Suryapratim Ray	Implementation of Semi-autonomous UAV for Remote Surveillance and Emergency Reconnaissance using Convolutional Neural Network Model	4:16-4:30pm
11.	SECS21020	Deepak R	Underexposed and Underwater Image Enhancement via Image Reduce Hazing Algorith	4:31-4:45pm
12.	SECS21024	Sukeshha Sharma	Drowsiness detection using EEG signal with deep learning techniques	4:46-5:00pm

Technical Session 1: Section B :

Microelectronics & Communication Systems

Name of Session Chairman: Dr. R.K. Chauhan Professor MMMUT Gorakhpur (UP)

Name of Session Chair Persons:

Dr. Gargi Khanna, Associate Professor NIT Hamirpur

Dr. Arun Kumar, Associate Professor Ranchi University Ranchi (JH)

Dr. Ajay Singh Raguvanshi, Assistant Professor NIT Raipur (CJ)

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

Dr. Sapana Ranwa, Assistant Professor NIT Durgapur (WB)

Dr. Jitendra Kumar Mishra, Assistant Professor IIIT Ranchi (JH)

Dr. Mukesh Patidar, Assistant Professor, Indore Institute of Science and Technology, Indore (Madhya Pradesh), India 452001

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

Dr. Deepak Prasad, Assistant Professor, SBU Ranchi

Group Coordinator/ Moderator: Sudhanshu Tripathi & Namrata Saxena Yadav

Google meet link: <https://meet.google.com/fjh-kusj-gtw>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCM121002	Amrita Rai	An optimization of 4-bit Array Multiplier using Adiabatic logic	2:00-2:15pm
2.	MCM121003	Amrita Rai	Modified PSO Algorithm to Solve Economic Load Dispatch Problem in Electrical power system Considering Valve - Point Effects	2:16-2:30pm
3.	MCM121005	Y Sukhi	PV based DC-DC Buck Boost Converter for LED Driver	2:31-2:45pm
4.	MCM121006	S Ramesh	Compressive Sensing based Pilot Contamination and Channel Estimation Using Efficient Decomposition Algorithm in Massive MIMO Systems	2:46-3:00pm
5.	MCM121007	Debpuja Dhar	Mask Detection and Alignment using Deep Learning Model	3:01-3:15pm
6.	MCM121008	Abhishek Paul	MVTimpute: A New Missing Value Imputation Technique for Missing Time Point Prediction from Microarray Time-Series Data	3:16-3:30pm
7.	MCM121009	Kalpana P	Fingerprint authentication using FPGA	3:31-3:45pm
8.	MCM121012	Ajay	Artificial Intelligence in Healthcare : Amyotrophic Lateral Sclerosis	3:46-4:00pm
9.	MCM121014	Abhinav Srivastava	Machine Learning applications in Digital Forensics: A survey	4:01-4:15pm
10.	MCM121016	Shekhar Singh	Smart solution for Farmers and Farming Using IOT	4:16-4:30pm
11.	MCM121018	Vibhor Verma	High Performance C-Band Circularly Polarized Corner Fillet Patch Antenna with Periodic Metallic Structure	4:31-4:45pm
12.	MCM121019	Ankita Kumari	A Review on Security Issues in MANET	4:46-5:00pm

Second Day Activity: 24.10.2021

Technical Session 2: Section A :

Machine Learning & 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 (KT)				
Dr. Dnyaneshwar S. Mantri Professor Sinhgad Institute of Technology Lonavala				
Dr. Rama S. Komaragiri, Professor Bennett University (UP)				
Dr. Akriti Nigam, Assistant Professor BIT Mesra				
Dr. Ramya S, Assistant Professor RV College of Engineering Bangalore (KT)				
Dr. Raj Kumar Singh, Assistant Professor Ranchi University Ranchi (JH)				
Dr. Sudip Sahana, Assistant Professor BIT Mesra Ranchi (JH)				
Dr. S.S. Tripathy, Assistant Professor, BIT Mesra Ranchi				
Dr. Abhishek Pandey, Assistant Professor, UMU Ranchi				
Dr. Arpan Deyasi, Assistant Professor, RCCIIT, Canal South Road				
Group Coordinator/ Moderator : Rahul Priyadarshi & Dipika Simariya				
Google meet link: https://meet.google.com/nxy-xnia-tnr				
S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCMI21020	Vandana Singh	Review on Traffic Signal optimization using nature inspired algorithm	10:00-10:15am
2.	MCMI21021	Sujit Kumar Chatterjee	An Analysis of MADRS Score Improvement among Depressive Patients using Different Traits	10:16-10:30am
3.	MCMI21023	Animesh Kumar	A Review on Cloud Computing Security.	10:31-10:45am
4.	MCMI21025	Sujit Kumar Chatterjee	An Analysis of MADRS Score Improvement Among Depressive Patients Using Different Traits	10:46-11:00am
5.	MCMI21026	Kumar Rajnish	Apply Neural Network Approach for Sentiment Analysis	11:00-11:15am
6.	MCMI21027	Vinit Lambey	Internet of Things (IoT) based measurement of air pollutants for an industrial area in Raipur, India.	11:16-11:30am
7.	MCMI21028	Shourya Shukla	An Optimized Intrusion Detection System using GA based Hybrid Convolutional	11:31-11:45am

			Neural Network.	
8.	MCM21029	Shruti Garg	Emotion Recognition in Electroencephalogram	11:46am-12:00pm
9.	MCM21030	Puja Gupta	Coronavirus Detection in 2-D Images Using Fusion in Convolutional Architecture	12:01-12:15pm
10.	MCM21031	Camellia Mukherjee	Optimizing and improving the quality of mined Association Rules using a hybrid Genetic Algorithm and Grey Wolf Algorithm	12:16-12:30pm
11.	MCM21032	Komal Naaz	Analysing the impact of parameter tuning on the accuracy of Deep learning models	12:31-12:45pm
12.	MCM21034	Ms.Mrinalini H.Joshi	Image scaling implementation for portable medical devices in support of VLSI architecture realization	12:46-01:00pm

Technical Session 2: Section B :

VLSI Design & Cyber Physical System

Name of Session Chairman : Dr. D. Devraj, Senior Professor, KLU, Anand Nagar, Krishnankoil-626126

Name of Session Chair Persons:

Dr. Ram Suchit Yadav, Professor, JK Institute of Applied Physics And Technology University of Allahabad

Dr. Amit Prakash, Associate Professor NIT Jamshedpur

Dr. Manish Kumar, Associate Professor, MMMUT Gorakhpur(UP)

Dr. Satyanarayana Murthy, Associate Professor, VR Siddhartha Engg College, Kanuru,Vijayawada

Dr. K. Bharath Kumar, Associate Professor, CMR Technical Campus, Kandlakoya, Hyderabad, Telangana

Dr. Shruti Garg, Assistant Professor, BIT Mesra Ranchi

Dr. Nutan Lata, Assistant Professor, Ranchi Univ. Ranchi

Dr Suraj Kumar Saw, Assistant Professor PSIT Pune (MH)

Group Coordinator/ Moderator: Ashutosh Anand & Madhumita Sarkar

Google meet link: <https://meet.google.com/fjh-kusj-gtw>

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCM21036	Mahima Chaurasia	Design of a Power Optimized Multiplexer Circuit Suitable for Barrel Shifter Design	10:00-10:15am

2.	MCM21037	T. Snehitha Reddy	Recent Development in Low Noise Amplifier	10:16-10:30am
3.	MCM21038	Saroj Kumari	Different Image Segmentation Technique: A Review	10:31-10:45am
4.	MCM21039	Anita Kumari	<u>Design CMOS Instrumentation Amplifier</u>	10:46-11:00am
5.	MCM21040	Faraz Ahmad	Voltage Controlled Oscillators for 5G Purpose – A Review	11:00-11:15am
6.	MCM21041	Jyotsana kumari	Design of mM-Wave Transceiver for 5G	11:16-11:30am
7.	MCM21042	Amit Mankotia	Design of Ring Resonator Based Comparator Using 2-D Photonic Crystal	11:31-11:45am
8.	MCM21043	Anshika Tiwari	RF Mixer For 5G Purpose – A Review	11:46am-12:01pm
9.	MCM21044	Divya Sharma	Design and Analysis of Two Stage Operational Amplifier using UMC 90nm Technology	12:01-12:15pm
10.	MCM21045	Debanjan Bhattacharjee	Comparative analysis of a Two-Stage Operational Amplifier in 180nm, 90nm, and 45nm technology for Biomedical Applications	12:16-12:30pm
11.	MCM21046	Ravi Shankar Singh	Design of CMOS Phase Lock Loop Design	12:31-12:45pm
12.	MCM21047	Disha Roy	Voltage Controlled Oscillators For 5G and Beyond-A Review	12:46-01:00pm
13.	MCM21048	Vishal Srivastava	RFID based smart system for Security, Inventory Management and Faster Checkout in Shopping applications	1:01pm- 1:15pm
14.	MCM21049			1:16pm- 1:30pm
15.	MCM21050			1:31pm-1:45pm

Lunch:- 1:00-2:00pm

Invited Lectures Link : <https://meet.google.com/nxv-xnia-tnr>

Name of Session Chairman : Dr. Ram Suchit Yadav, Professor, JK Institute of Applied Physics And Technology University of Allahabad

All Members should present: Reviewers, Moderators & Presenters

Group Coordinators/ Moderators: Shovan Nandi & P. Arvind Kumar

SN.	Presenters	Topics	Presentation Schedule
1.	Sh. Samuel Tensingh ST Microelectronics Singapore	Chip Design & Validation	2:00-2:45pm
2.	Dr. Balakrishanan Singapore	Machine Learning & IoT	2:46:-3:30pm

Valedictory Session & Award/Prize Distribution Ceremony:

(All Members should present: Reviewers, Moderators & Presenters)

Meeting link: <https://meet.google.com/nxv-xnia-tnr>

Members on Virtual Dais for Valedictory Session of SECS-2021& MCMI-2021	
<ol style="list-style-type: none"> 1. Dr. Nand Kumar Yadav 'Indu' Professor & Former VC, CUJ Ranchi – Chief Guest 2. Dr. D.K. Yadav (President ISVE) Professor, National Institute of Technology Jamshedpur 3. Sh. N.N. Mishra (Scientist –E) Technical Director NIC Ranchi 4. Dr. Arun Kumar (Chairman ISVE) Director ECOM, Ranchi 5. Mr. Deekshith Krishnegowda (Staff Engineer) at Marvell Technology Inc. at Santa Clara California, USA 6. Sh. Samuel Tensingh, Design Engineer, ST Microelectronics Singapore 7. Dr. Vijay Nath (BIT Mesra Ranchi), Honorary Treasurer IETE Ranchi Centre & Executive Member ISVE Ranchi- General Chair SECS-2021 & MCMI-2021 8. Dr. Anand Kumar Thakur(RU), Executive Member ISVE Ranchi - Organizing Secretary MCMI-2021 & SECS-2021 Dr. Raj Kumar Singh (RU), Executive Member ISVE Ranchi - Convener MCMI-2021& SECS-2021 	
Valedictory Session	
Time	Activity
3:30 pm-3:40pm	Welcome by Dr. Arun Kumar Chairman ISVE Ranchi
3:41 pm-3:50pm	Concluding remarks by Dr. Vijay Nath

3:51 pm-4:00pm	Program Elaboration by Dr. Raj Kumar Singh
4:01 pm-4:20pm	Short messages by Eminent persons available on virtual dais
4:21 pm-4:30pm	Impact of Conference/ Workshop on Education System by Prof. Nand Kumar Yadav 'Indu' Former VC Central University of Jharkhand, Ranchi & Declaration of Awards for participants
4:31 pm-4:40pm	Vote of Thanks by Dr. Anand Kumar Thakur
4:41 pm-4:50pm	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 Mr. Ashutosh Anand	8416002238 7004775839

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

Thanks & regards

MCFI-2021 & SECS-2021 Organizing Committee

Virtual Conference

ARTTC BSNL Ranchi-835217 (JH) India