

## Track 4: Green Electronics, VLSI, Communication and Sensor Based Technologies

### Day 1; 6th March 2025 (Thursday)

Paper ID	Paper Title	Mode of Presentation	Primary Contact Author Name	Authors	Date of Presentation
83	Sentinel LPG Leakage Detection System with Automatic Regulator	Online	Rachana Setty	Rachana Setty (JSS Science and Technology University (SJCE) , Mysore.); Smayana NP (JSS Science and Technology University (SJCE) , Mysore.); Veena MG (JSS STU (SJCE)); Pavithra D R (SJCE, Mysuru)	<b>6th March 2025 (Session 1); 12:45PM-2PM</b>
114	Comparative analysis of Si-TFET and Ge-TFET based TFET devices	Online	Dr. Basudha Dewan	Dr. Basudha Dewan (Poornima University Jaipur)*	
125	Application of VLSI and MEMS for Hydrogen Sensor Technology	Online	Dr.Hari Naidu	Swati Kodape (G H Raisoni College of Engineering); Dr.Hari Naidu (GH Raisoni College of Engineering)*	
166	Exploring Hexagonal Boron Nitride (hBN) as a Gate Dielectric for Next-Generation MOSFETs	Online	Mandeep Singh	Rhea Raghu Billava (NIT Goa); Mandeep Singh (National Institute of Technology Karnataka, Surathkal)*	
194	Study of Scaling Effects and Reliability Issues in Pre-Amplifier Based Dynamic Comparator For Future High Speed Analog to Digital Converters	Online	J AJAYAN	J AJAYAN (SR UNIVERSITY)*; Kuja Uday Sri (SR University )	
264	Improving the performance of SINR for indoor VLC system	Online	Kishore Vejandla	Kishore Vejandla (Indian Institute of Information Technology Una)*; siva valluri (iiitdm kurnool)	
266	Enhanced Military Airport Facility Detection Using EfficientDet for Satellite-Based Imagery	Online	Mahima Kumar Gandu	Rama Siva Pranav Tunuguntla (Velagapudi Ramakrishna Siddhartha Engineering College); Mahima Kumar Gandu (Velagapudi Ramakrishna Siddhartha Engineering College)*; Dr K L (V R Siddhartha Engineering College); Joseph Abhishek Tera (Velagapudi Ramakrishna Siddhartha Engineering College)	
286	Design of a Crop Health Monitoring system using Drone.	Offline	Anjali Fulkar	Anjali Fulkar (Department of Electronics and CS, Nagpur)*; Shivkumar Atre (DECS, RTMNU, Nagpur)	

### 6th March 2025 (Session 2); 2.30 PM – 3.45 PM

309	Beam space Hybrid Precoding for Rayleigh Fading MIMO-OFDM Systems Using Compressive Sensing and SVD	Online	Supriya Lohar	Supriya Lohar (AISSMS IOIT)*; Somnath Dhonde (AISSMS COE)	<b>6th March 2025 (Session 2); 2.30 PM – 3.45 PM</b>
499	An efficient contention resolution approach for congestion control in optical burst switching network	Offline	Manoj Dutta	Manoj Dutta (Birla Institute of Technology, MESRA, Deoghar Campus )*	
514	Maximizing Photovoltaic Efficiency in Zn2P3/(FA)2BiCu6/WO3 Perovskite Cells Through Donor-Acceptor Density Study.	Online	Aniket Verma	Aniket Verma (Chitkara University)*; Jaya Madan (Chitkara University); Nagender Yamsani (SR. University); Mohammed I. Habelalmateen (The Islamic University )	
526	Triple Band Microstrip defected ground antenna for multi-spectral frequency application	Online	Dipanjan Dutta	Dipanjan Dutta (Pondicherry University)*; Sudhakar Sahu (KIIT University); T Shanmuganatham (Pondicherry University)	
527	Design of Substrate Integrated Waveguide Antenna for 5G Sub-6 GHz and mm-Wave Applications	Online	Dipanjan Dutta	Dipanjan Dutta (Pondicherry University)*; T Shanmuganatham (Pondicherry University)	
541	Dual-band Capacitive-coupled Ring Resonator with Second and Third Order Harmonic Rejection	Online	Naveen Maurya	Naveen Maurya (Vishnu Institute of Technology)*; Sadhana Kumari (JSSATE, Noida); Grandhi Challa Ram (Shri Vishnu Engineering College for Women)	
546	AUTOMATIC BACK-WASH FILTERING SYSTEM USING PLC	Online	Vijayachitra S	Kharnika Ravikumar (Kongu Engineering College); Vijayachitra S (KONGU ENGINEERING COLLEGE)*; Jaya Soundhar V T (KONGU ENGINEERING COLLEGE); Hareesh G (Kongu Engineering College); Prabhu K (Kongu Engineering College)	
589	ASIC of Instrumentation Amplifier with high CMRR for precision signal processing	Online	Mirtunjay Mishra	Mirtunjay Mishra (Dhirubhai Ambani Institute of Information and Communication Technology)*; Rutu Parekh (Dhirubhai Ambani Institute of Information and Communication Technology)	

### 6th March 2025 (Session 3); 4.45 PM – 6.15 PM

590	Investigation of Crosstalk Noise in a Tri-Interconnect Model Using Pristine and Copper Interconnects With Different Technologies and Wire Spacings	Offline	SANDIP BHATTACHARYA	SANDIP BHATTACHARYA (SR UNIVERSITY)*; Aditi Thakur (SR UNIVERSITY); Subhajit Das (IEM Newtown, University of Engineering & Management, Kolkata, West Bengal, India)	<b>6th March 2025 (Session 3); 4.45 PM – 6.15 PM</b>
614	Design and Simulation of High Gain LNA Using 28nm Technology	Online	Vamsi Borra	SANTHOSHKUMAR BANOTH (National institute of technology-Tiruchirappalli); Uttam Dhakal (Youngstown State University); M Bhaskar (NIT Trichy); Srikanth Itapu (Alliance University Bengaluru); Selvendran S (VIT University, Chennai Campus); Frank Li (Youngstown State University); Vamsi Borra (Youngstown State University)*	
643	Performance Analysis of Satellite Communication with WSN using MATLAB	Offline	Rachit Jain	Rachit Jain (MITS Gwalior)*; Vidhi Khanna (MITS Gwalior)	
646	Modelling of Fiber Bragg Grating for Biomechanical Pressure Sensing	Offline	Dr. Gaurav Bharti	Anand Prakash Narayan (Indian Institute of Information Technology Bhopal ); Ibrar Jahan MA (RNSIT, Bangalore); Dr. Gaurav Bharti (Indian Institute of Information Technology Bhopal)*	
655	Microstrip fed Hexagonal Shaped Cross-Slotted Antenna for N257 Band Applications	Offline	Rachit Jain	Ratnesh Sagar (MITS Gwalior); Suryansh Pratap Singh Rajawat (MITS Gwalior); Rachit Jain (MITS Gwalior)*; Vandana Vikas Thakare (MITS)	
667	High Voltage Quad Channel Voltage Driver with 8 Bit Resolution for Space Applications	Online	Rutu Parekh	Radhika Agrawal (DAIICT); Rutu Parekh (Dhirubhai Ambani Institute of Information and Communication Technology)*; Viraj Panchal (Dhirubhai Ambani Institute of Information and Communication Technology); Rupali Patel (Dhirubhai Ambani Institute of Information and Communication Technology)	
793	A Broadband SIW-based Hybrid Coupler for E-band Application	Online	Naveen Maurya	Naveen Maurya (Vishnu Institute of Technology)*; Sadhana Kumari (JSSATE, Noida); G. Lakshmi Prasanna Ashok (Vishnu Institute of Technology); Grandhi Challa Ram (Shri Vishnu Engineering College for Women)	

796	Adopting a multi-issue, out-of-order RISC-V core cluster in a complex modern System-on-Chip	Online	Shrinidhi Rao	Shrinidhi Rao (Samsung Electronics)*; Kavya R (Samsung Electronics); Moonki Jang (Samsung Device Solutions Research); Sanjoy Saha (Samsung Electronics); Alok Kumar (Samsung Electronics); Garima Srivastava (Samsung)
802	Performance analysis of Logistic Regression Classifier for OTFS symbol detection	Online	KIRUTHIKA C	KIRUTHIKA C (National Institute of Technology Tiruchirappalli)*; Gopi E S (National Institute of Technology Tiruchirappalli); Swaroopa Gutlapalli (National Institute of Technology Tiruchirappalli)

**Day 2; 7th March 2025 (Friday)**

820	Performance Impact of Source/Drain Contact Offset in ZnO TFTs: Overlap, Underlap, and Aligned	Online	Dasari srikanya	Dasari srikanya (MNIT Jaipur)*; Girdhar Gopal (NIT Patna); Chitrakant Sahu (NIT Raipur); Tarun Varma (MNIT Jaipur)
842	Privacy-Preserving Authentication for IoMT: A Federated Learning Approach Leveraging RF Fingerprinting	Online	jyoti satapathy	jyoti satapathy (indian Army)*
843	A safe, secure and coherent multi-chip architecture for ISO compliant automotive solutions	Online	Shrinidhi Rao	Shrinidhi Rao (Samsung Electronics)*; Bheema Thangavelu (Samsung Electronics); Surekha CP (Samsung Electronics); Shreya Joshi (Samsung Electronics); Alok Kumar (Samsung Electronics); Garima Srivastava (Samsung)
870	Enhancing Solar Energy Conversion in (BEA)FA2Sn3I10- Perovskite Solar Cells: A Study of Thickness and Acceptor Density Optimization	Online	Aniket Verma	Aniket Verma (Chitkara University)*; Jaya Madan (Chitkara University); Komuravelly Sudheer Kumar (SR University); Hasssan MuhamedAle (The Islamic University)
960	Design of Wallace Tree Multiplier Using Counter Architecture	Online	RAMESH S R	RAMESH S R (Amrita Vishwa Vidyapeetham)*; Aswin T R (Amrita Vishwa Vidyapeetham)
1043	Improved DC/RF Performance in AlN/GaN/AlGaN/SiC MOSHEMTs With TiO2 as a Gate Dielectric	Online	J AJAYAN	J AJAYAN (SR UNIVERSITY)*; Gauri Deshpande (SR UNIVERSITY); SANDIP BHATTACHARYA (SR UNIVERSITY)

**7th March 2025  
(Session 4); 9  
AM – 10.00 AM**

**7th March 2025 (Session 5); 11 AM – 1.00 PM**

1090	Performance Analysis of Quaternary to Binary Converter Implemented Using FinFET models	Online	Mohit Goel	Mohit Goel (Chitkara University)*; Sripelli Jagadish (SR University); Amaar Haamid Shnaeen (The Islamic University of Al Diwaniyah)
1175	Deep Learning-Powered Equalization with Autoencoders for Improved 5G Communication	Online	Adomeas Tafere	Adomeas Tafere (Injibara University)*; Tewodros Hailemariam (Addis Ababa University); Tsegamlak Debella (Addis Ababa University)
1217	Designing and Utilizing of Novel Pass Transistor Logic for Low Power CMOS Full Adder	Online	Paramita Chowdhury	Paramita Chowdhury (Kalyani University)*; SUNIPA ROY (GNIT)
1235	Compact 8-Channel Phased Array Stepped Impedance RF Coil for 9.4 Tesla Spinal Cord MRI	Online	Saranya Narayanan	Saranya Narayanan (Sri Manakula Vinayagar Engineering College)*; Raja Periyasamy (Sri Manakula Vinayagar Engineering College); Deepa Thangarasu (Sri Manakula Vinayagar Engineering College); Janani R (Sri Manakula Vinayagar Engineering College); Raghavarshini K (Sri Manakula Vinayagar Engineering College); Vighneshwara B (Sri Manakula Vinayagar Engineering College)
1240	Analysis of Enhance Subcarrier Index Modulated MIMO-OFDM-FSO System	Online	Chinmayee Panda	Chinmayee Panda (IGIT,SARANG)*; Urmila Bhanja (IGIT,SARANG)
1274	Design of an IoT based Model for Milk Quality Measurement Using Fringing Field Interdigital Capacitive Sensing and Dielectric Property Analysis	Online	Divya Palakaluri	Divya Palakaluri (VIT AP)*; PRAVEEN MAURYA (VIT- AP UNIVERSITY, AMRAVATI)
1364	EfficientDet-Based IoT System for Wildlife Monitoring Using LoRa and Raspberry Pi	Online	Ramji Tangudu	Ramji Tangudu (VIT Vellore)*; Lankela Mani Deep Aditya (VIT Vellore); Devesh K Kumar (VIT Vellore); Karthik Raj SivaKumar (VIT Vellore)
1425	An Improved Resource Allocation in 5G C-RAN using Hybrid Swarm Intelligence Algorithm	Online	Subrahmanyam Voore	Voore Subba Rao (APJ Abdul Kalam Technical University, Lucknow)
1427	ASIC Design For High Speed Flash Analog To Digital Converter	Online	Brijesh Patel	Brijesh Patel (Dhirubhai Ambani Institute of Information and Communication Technology)*; Rutu Parekh (Dhirubhai Ambani Institute of Information and Communication Technology)
1478	An FPGA-Optimized Parallel Processor Architecture for Huff Curves with Reduced Clock Cycles	Online	ADLINE J	ADLINE J (THIAGARAJAR COLLEGE OF ENGINEERING)*; Venkatasubramani. V. R (TCE); Rajaram S (TCE Madurai); Vinoth thyagarajan V (Thiagarajar College of Engineering); MANIKANDAN M.S.K ("TCE, Madurai")
1499	Doping Profile Engineering for Enhanced Performance in Nanosheet Field Effect Transistors	Online	Akansha Aggarwal	Akansha Aggarwal (Jamia Millia Islamia)*; Gagan . (Jamia Millia Islamia); Devender Kumar Soni (Kurukshetra University); Himanshu Marothya (Indian Institute of Technology, Bombay)
1629	Optimization of Advanced Nanoscale Dynamic Voltage Comparators for the Development Future Analog to Digital Converters	Online	J AJAYAN	J AJAYAN (SR UNIVERSITY)*; J Ruthwik (SR UNIVERSITY); N Sai Mahanth (SR UNIVERSITY); B Aravind Reddy (SR UNIVERSITY)

**7th March 2025  
(Session 5); 11  
AM – 1.00 PM**

**7th March 2025 (Session 6); 3 PM – 4.15 PM**

1635	Design and Analysis of Highly Directive Patch Antennas for CAS using Passive Radars at 5G Frequencies	Online	AJAY KUMAR DWIVEDI	Jyothi Sk (Nagarjuna College Of Engineering And Technology); Purushottama Lingadevaru (Siddaganga Institute of Technology Tumakuru, Karnataka, India); NAGESH K N (Nagarjuna College Of Engineering And Technology, Bengaluru); VIVEK SINGH (Nagarjuna College Of Engineering And Technology, Bengaluru); AJAY KUMAR DWIVEDI (Nagarjuna College Of Engineering And Technology, Bengaluru)*
1670	Debug Fabrics Verification using Formal Methodology	Online	Nikhitha Chintagumpala	Nikhitha Chintagumpala (intel technologies Pvt Ltd)*; Maneesh Pandey (Intel technologies)
1704	Enhanced pH Sensitivity of ISFET via TiO2 Gate Doping: A Novel Approach	Online	Mandeep Singh	Sanganabasu M Herur (National Institute of Technology Karnataka, Surathkal); Sharath Balaji T (National Institute of Technology Karnataka, Surathkal); Mandeep Singh (National Institute of Technology Karnataka, Surathkal)*
1711	Integrating Fuzzy Logic and Morphological Edge Detection for Enhanced UAV Orthomosaic Mapping	Online	Pallavi Singh	Pallavi Singh (Nagarjuna College of Engineering and Technology, Bengaluru)*; Nagesh K N (Nagarjuna College of Engineering and Technology, Bengaluru); Neerav Sharma (Indian Institute of Technology Roorkee)
1797	Design and Performance Analysis of a 5 GHz Inset Fed Microstrip Patch Antenna for Wireless Communication and Applications	Online	Hasan Mousud Shoaib	Hasan Mousud Shoaib (Ahsanullah University of Science and Technology)*; Md. Sabbir Hasan Sohag (Bangladesh University of Business and Technology); Russel Reza Mahmud (Ahsanullah University of Science and Technology); A.K.M Ehtesanul Islam (Ahsanullah University of Science and Technology)

**7th March 2025  
(Session 6);  
3 PM – 4.15 PM**

1807	Design and Analysis of Compact Wideband Meandered Line Frequency Selective Surface (FSS) with Angular Stability	Online	RAMYA SRI V	RAMYA SRI V (ST JOSEPH'S INSTITUTE OF TECHNOLOGY)*	3 PM - 4.15 PM
2651	An analytical model for Normalised Conductances and Resistances of Borophene on-chip Interconnect	Offline	vinod Agarawal	vinod Agarawal (ABVIITM GWALIOR)*; Somesh Kumar (ABVIITM GWALIOR)	
2652	Design of DTMOS based preamplifier for low power and high speed comparator	Online	Akshay Mann	Akshay Mann (Delhi Technological University)*; Neeta Pandey (Delhi Technological University); Maneesha Gupta (Netaji Subhas University of Technology)	
1832	Quantitative EEG-Based Regional Spectral Analysis for Parkinson's Disease Detection	Online	Sneha Agrawal	Sneha Agrawal (NIT Raipur)*; Satya Prakash Sahu (NIT Raipur)	

**Day 3; 8th March 2025 (Saturday)**

2074	Design and Performance Evaluation of Current Starved VCO using 14nm FinFET Technology	Online	Vijayalaxmi Kumbhar	Vijayalaxmi Kumbhar (G H Raisoni College of Engineering & Management, Pune)*; Manisha Waje (G H Raisoni College of Engineering & Management, Pune); Vijayalaxmi Kumbhar (PCET's PCCOER, Ravet, Pune)	8th March 2025 (Session 7); 9 AM - 10.00 AM
2261	Compact Circularly Polarized Slotted Octagonal Microstrip Antenna for X-Band and Satellite Applications	Online	Debanjali Sarkar	Venkateswara Rao Bhukya (VIT-AP University); Ratna Kumari Duru (VIT-AP University); Debanjali Sarkar (VIT-AP University)*	
2295	DEVELOPMENT AND EVALUATION OF WIDEBAND NEGATIVE RESPONSE IN SPLIT RING RESONATOR	Online	Vijayalakshmi S	Vijayalakshmi S (St. Joseph's institute of technology)*; Lochana R (St. Joseph's institute of technology); Mohan C (St. Joseph's institute of technology)	
2364	Health monitoring of Ancient Building using Rechargeable Wireless Sensor Network	Online	Saurabh Srivastava	Saurabh Srivastava (IIT BHU)*; B Pradeep (IIT BHU); Prasenjit Chanak (IIT BHU)	
2473	D- Shaped PCF based SPR Sensor for cortisol Detection	Online	Nitesh Kumar	Nitesh Kumar (NIT Uttarakhand)*; Sarika Pal (NIT Uttarakhand)	
1285	Enhancing Visible Light Communication: SIMO-VLC with Zero-Forcing Receiver and Equal Gain Diversity	Offline	Dr. Vipul Dixit	Dr. Vipul Dixit (Bennett University, Greater Noida)*	

**8th March 2025 (Session 8); 11.30 AM - 2.00 PM**

1335	Design and Analysis of a Circular Patch quad MIMO Antenna with Intermediate Ring for 5G Wireless Communications	Offline	Rachit Jain	Suryansh Rajawat (MITS); Ratnesh Sagar (MITS); Rachit Jain (MITS Gwalior)*; Hemant Choubey (MITS)	8th March 2025 (Session 8); 11.30 AM - 2.00 PM
1445	ASIC Design for Interleaved Boost Converter with Stress Reduction Technique	Online	KARTIK IYER	KARTIK IYER (DAIICT)*; Rutu Parekh (Dhirubhai Ambani Institute of Information and Communication Technology)	
1477	Performance Comparison of Algorithms like Binary Exponential Backoff (BEB) and Linear Increase Linear Decrease (LILD) in IEEE 802.11 Networks	Offline	Sandeep Kumar	Sandeep Kumar (Indian Institute of Information Technology Kota)*; Parikshit Kishor Singh (IIIT KOTA); Anukram Mishra (MNIT Jaipur); Ambaldhage Ramdas Jayanth (IIIT KOTA); Ankur Raj (IIIT KOTA); Nadimpalli Theja (IIIT KOTA)	
1602	Design and Performance Analysis of a Low Drop Out Voltage Regulator with High PSRR	Online	Sumati Javalagi	Sumati Javalagi (KLE Technological University)*; Dr. Sujata Kotabagi (KLE Technological University); Madhura M (KLE Technological University); Rakshita Patgar (KLE Technological University); Samarth Nasabi (KLE Technological University)	
1716	Leveraging Diversity Schemes to Enhance Image Data Transmission in SIMO-VLC Networks	Offline	Dr. Vipul Dixit	Dr. Vipul Dixit (Bennett University, Greater Noida)*	
2273	Theoretical Investigation of Single-Qubit Hadamard Gate	Offline	Dr. Gaurav Bharti	Sapna Tiwari (Indian Institute of Information Technology Bhopal); Dr. Gaurav Bharti (Indian Institute of Information Technology Bhopal)*; Mayur Kumar Chhipa (ISBAT University, Kampala, Uganda)	
2463	Comparison of CFAR Algorithms in real time target detection and tracking using millimeter wave radar	Online	Valarmathi J	Vedant Kanawade (Vellore Institute of Technology); Camelia Ganguly (Vellore Institute of Technology); Manoj Kumar M (Vellore Institute of Technology); Valarmathi J (Vellore Institute of Technology)*	
448	Directivity and Gain Enhancement of a Coaxial-Fed Rectangular Patch Antenna using Multi-Layer Metamaterial Superstrate	Online	Vedang Hatekar	Vedang Hatekar (Visvesvaraya National Institute of Technology, Nagpur)*; Grandhi Venkata Padmavathi (visvesvaraya national institute of technology, nagpur); Aditya Kakade (Visvesvaraya National Institute of Technology, Nagpur); Mukundan Vijay (Visvesvaraya National Institute of Technology, Nagpur); Anjuli Mothe (Visvesvaraya National Institute of Technology, Nagpur); Neeraj Rao (Visvesvaraya National Institute of Technology, Nagpur)	
1127	Optimizing Energy-Efficient Clustering Algorithms for Prolonged Lifetime in WSN-IoT Deployments	Online	Gaurav Tuteja	Gaurav Tuteja (Chitkara University)*; Parul Nasra (Chitkara University); Goli Sunil (School of Computer Science and Artificial Intelligence, SR University, Warangal - 506371, Telangana, India.); Haayder M.Abbas (Department of computers Techniques engineering, College of technical engineering, The Islamic University, Najaf, Iraq)	
1138	Blockchain-Driven Secure Frameworks for Data Integrity in IoT-Enabled Wireless Sensor Networks	Online	Gaurav Tuteja	Gaurav Tuteja (Chitkara University)*; Parul Nasra (Chitkara University); JAYAPAL LANDE (School of Computer Science and Artificial Intelligence, SR University, Warangal - 506371, Telangana, India); Ramee Riadhweein (Department of computers Techniques engineering, College of technical engineering, The Islamic University, Najaf)	
1304	Analysis of Power Supply Voltage Drop and Delay In a Cascaded CMOS Inverter Circuit Using Pristine-GNR and Copper Interconnect Material	Online	SANDIP BHATTACHARYA	SANDIP BHATTACHARYA (SR UNIVERSITY)*; Gunda Manisha (SR University); Manaswini Madarapu (SR UNIVERSITY); Hymavathi Dharavath (SR UNIVERSITY); Tulasi Chityala (SR UNIVERSITY); Subhajit Das (IEM Newtown, University of Engineering & Management, Kolkata, West Bengal, India)	

2264	Superposition-Assisted Structure (SAS) for Crosstalk Reduction in 14-core Homogeneous MCF with Optimal Cladding Diameter	Online	Shaharior Anik	Shaharior Anik (Green University of Bangladesh)*; Md. Shezan Haque Shovo (Faridpur Engineering College); Mohammad Musa Jawad ( Faridpur Engineering College); Mahmudur Rahman (Green University of Bangladesh); Monjila Afrin Dorothi (Green University of Bangladesh)
2496	Multi-State Resistance Tuning via Voltage Ramp Rates in Ni/Mo/MoO3/Ni Memristors for High-Density Memory Applications	Online	PRAVEEN MARYALA	PRAVEEN MARYALA (NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL)*; ATUL KUMAR NISHAD (NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL); VIPUL KUMAR NISHAD (INDIAN INSTITUTE OF TECHNOLOGY ROPAR)

**8th March 2025 (Session 9); 11.30 AM – 2.00 PM**

2582	Transforming Agriculture through Intelligent Farming: A Sustainable Pathway	Online	Madhuri Sharma	Mohd. Faiz Afzal, Gaurav Pushkarna, Shailendra Singh Sikarwar, Manoj Sharma, Siva Shankar S, Madhuri Sharma
2612	Fabrication and Analysis of Zinc Oxide Film-based Metal-Semiconductor-Metal Devices on Flexible Substrates	Online	Dr. Vimal Kumar Singh Yadav	Dr. Vimal Kumar Singh Yadav (MNNIT Allahabad)*; Manasvi Pathak (MNNIT Allahabad); Prakhyat Verma ( MNNIT Allahabad); Priyanshu NA ( MNNIT Allahabad)
2616	Resistorless OTA-based First order SIMO Universal Filter with High Input Impedance	Online	Kallol Mondal	Kallol Mondal (Motilal Nehru National Institute of Technology Allahabad, Prayagraj)*; Rohit Kumar (MNNIT Allahabad, Prayagraj); Satish Chandra (MNNIT Allahabad, Prayagraj)
2624	Innovative Design and Performance Analysis of a 5G Microstrip Patch Antenna	Offline	Naveen Mishra	Saloni Pattanayak (Vellore Institute of Technology, Vellore); Payoja Mohapatra (Vellore Institute of Technology, Vellore); Naveen Mishra (Vellore Institute of Technology, Vellore)*
2626	Design and Analysis of Wideband Graphene Antenna for THz communication	Online	JAYANT KUMAR RAI	JAYANT KUMAR RAI (ABV-IIITM, GWALIOR)*; Nihit Moolaney (ABV-IIITM, GWALIOR); Shivam Singh (ABV-IIITM, GWALIOR); Pinku Ranjan (ABV-IIITM, Gwalior); Rakesh Chowdhury (ABV-IIITM, Gwalior); Liton Chandra Paul (Pabna University of Science and Technology, Pabna, Bangladesh)
2627	Comparative Analysis of Different Operational Logic Gates for Cutting-Edge Technology	Offline	VIJAY KUMBHARE	VIJAY KUMBHARE (Koneru Lakshmaiah Education Foundation, Hyderabad)*; Balusa Gnanesh (Koneru Lakshmaiah Education Foundation, Hyderabad, India); Tallam Sai Nithin (Koneru Lakshmaiah Education Foundation, Hyderabad, India); M Sahil Krishna (Koneru Lakshmaiah Education Foundation, Hyderabad, India); Ashwini Kumar Varma (Koneru Lakshmaiah Education Foundation, Hyderabad, India); Bittu Kumar (Koneru Lakshmaiah Education Foundation, Hyderabad, India)
2628	Design and Analysis of Dual Band Hexagonal Shaped Graphene Antenna for Terahertz Applications	Offline	JAYANT RAI	JAYANT RAI (ABV-IIITM, GWALIOR)*; Shubham Kumar (ABV-IIITM, GWALIOR); Pinku Ranjan (ABV-IIITM, Gwalior); Rakesh Chowdhury (ABV-IIITM, Gwalior); Khushi Sachan (ABV-IIITM, GWALIOR)
2631	Design and Analysis of Dual Band Graphene Antenna for Terahertz Applications	Offline	JAYANT RAI	JAYANT RAI (ABV-IIITM, GWALIOR)*; Khushi Sachan (ABV-IIITM, GWALIOR); Pinku Ranjan (ABV-IIITM, Gwalior); Rakesh Chowdhury (ABV-IIITM, Gwalior); Shubham Kumar (ABV-IIITM, GWALIOR)
2633	OTFS: A Review on High-Mobility Modulation Scheme for 6G or Beyond	Online	bittu kumar	Soumya Diddi (Koneru Lakshmaiah Education Foundation, Hyderabad); Pranathi Allambay (Koneru Lakshmaiah Education Foundation, Hyderabad); Bhavana Sai Nalamala (Koneru Lakshmaiah Education Foundation, Hyderabad); bittu kumar (Koneru Lakshmaiah Education Foundation, Hyderabad)*; Vijay Rao Kumbhare (Koneru Lakshmaiah Education Foundation, Hyderabad); Ashwini Kumar Varma (Koneru Lakshmaiah Education Foundation, Hyderabad)
2636	Design and Simulation of Plus Shape antenna with partial ground for 6G applications	Online	Smrity Dwivedi	Smrity Dwivedi (IIT BHU)*
2638	UAV assisted Satellite-Air-Ground Communication: Performance Analysis	Offline	Praveen Singya	Mohit Kourav (Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior); Praveen Singya (ABV-IIITM Gwalior)*; Sandesh Jain (Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior)
2640	A Novel SIW Cavity-Backed Multiband mm-Wave Antenna for 5G (n257/n260), K-Band, and Q-Band Applications	Offline	Yadvendra Dwivedi	Yadvendra Dwivedi (ABV-IIITM Gwalior)*; SOMESH KUMAR (ABV-IIITM Gwalior); Pinku Ranjan (ABV-IIITM Gwalior); Rakesh Chowdhury (ABV-IIITM Gwalior); Lavanya Agarwal (MITS Gwalior)
2645	Wideband to Dual Band Frequency Reconfigurable Antenna for 5G Millimeter Wave Application	Offline	JAYANT RAI	JAYANT RAI (ABV-IIITM, GWALIOR)*; Shriram Gupta (ABV-IIITM, GWALIOR); Pinku Ranjan ( ABV-IIITM, GWALIOR)
2647	Design and Analysis of Circular Shaped Graphene Antenna for THz Communication	Offline	JAYANT RAI	JAYANT RAI (ABV-IIITM, GWALIOR)*; Shishir Soni (Madhav Institute of Technology and Science, Gwalior, (M.P.), India ); Ravindra Singh Kushwah (ABV-IIITM, GWALIOR); Praveen Kumar Singya (ABV-IIITM, GWALIOR); Pinku Ranjan (ABV-IIITM, GWALIOR); Rakesh Chowdhury (ABV-IIITM, GWALIOR)
2649	Hardware Realization of Handwritten Text Detection	Offline	GAURAV KAUSHAL	GAURAV KAUSHAL (ABV-IIITM Gwalior)*; ankit kumar (ABV-IIITM Gwalior)

**8th March 2025  
(Session 9);  
11.30 AM – 2.00  
PM**