Jaypee Institute of Information Technology
Department of Electronics and Communication

2025 10TH INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND COMMUNICATION (ICSC 2025)

CONFERENCE SCHEDULE

Day 1: Thursday, Feb 20, 2025

10:00 A.M - 11:15 A.M.	**Inauguration (VENUE: Auditorium)**
11:15 A.M- 11:30 A.M.	**High Tea**
11:30 A.M- 12:30 P.M.	**Keynote Talk 1: Dr. L Venkata Subramaniam,** Artificial Intelligence and Quantum India Leader, IBM. **(Offline) Venue: LT4**
12:30 P.M - 01:45 P.M.	**Technical Session 1** **(* Highlighted author name is the presenter name)**

Session-1.1.1: Communication - I (VENUE G10) (Offline)

Session Chair: Dr. Anuradha Pughat

Session Rapporteur: Dr. Himani Gupta, Session In-charge: Dr. Madhu Jain

1571101196	**A Printed E-Shaped Monopole Patch Antenna for ISM Band-I (2.4 GHz) & 6G Communication (7-20 GHz)**
	Piyush Kumar Jha, Amit Abhishek, and Priyadarshi Suraj (Birla Institute of Technology, Mesra, India)
1571098116	**Campus Network Design Using Cisco Packet Tracer**
	Buddolla Nandeeshwar (Nalla Narasimha Reddy Education Society's Group of Institutions, India); **Kattikola Swapna** and Balli Gagan (Nalla Narasimha Reddy Educational Society's Group of Institutions, India) , Alampally Aravind, Bolimera Ravi
1571092757	**Wideband and Tunable Terahertz Metamaterial Absorber using Vanadium Dioxide**
	Shakti Sharma (University of Delhi, India); Shatish Kumar Gautam (Jawaharlal Nehru University, India); Ashwani Kumar (University of Delhi, India); Updesh Sharma and Shankar Dutta (DRDO, India); Manoj Kumar Khanna (UDSC, India)
1571101070	**Simulation and Performance Evaluation of RIS aided Beyond 5G Systems**
	Mariya Iftekhar and MohdSharique (Aligarh Muslim University, India)
1571101201	**Hash Based Message Authentication Code Performance with Different Secure Hash Functions**
	Ankush Soni (BITS Pilani K.K. Birla Goa Campus, India); **Sanjay K. Sahay** (BITS Pilani, India); Vaishali Soni (Netaji Subhas University of Technology, India)
1571088863	**Analysis of Feed Network Efficiency in Time-Modulated Elliptical Antenna Array for 5G and 6G communication systems**
	Satish Kumar (National Institute of Technology Durgapur, India); Gopi Ram (National Institute of Technology, Warangal, India); **Durbadal Mandal** and

	RajibKar (National Institute of Technology, Durgapur, India)

Session-1.1.2: Intelligent Computing and Machine Learning -I (VENUE G11) (Offline)

Session Chair: Prof. Divakar Yadav	

Session Rapporteur: Dr. Harish Bishwakarma, Session In-charge: Dr. Ritu Raj

1571079916	**Stuttering Detection Using LSTM and LSTM-Attention based Convolutional Neural Network**
	Monalisa Maity, Ishita Gupta and Dinesh Kumar Vishwakarma (Delhi Technological University, India)
1571093684	**Automated Attendee Recognition System for Large-Scale Social Events or Conference Gathering**
	Dhruv Motwani (Avahi, USA); Ankush Tyagi (Ericsson, USA); Vipul Dabhi (DDU, India); Harshad kumar Prajapati (Dharmsinh Desai University, India)
1571088812	**An Integrated Framework for Fake Review Detection and Review Summarization on Product Reviews**
	S. Lalitha (Amrita Vishwa Vidyapeetham & Amrita School of Engineering, India); **Achu Jayan**, **Aditya Ithamraju**, S. Tilak and **Adithya N. Reddy** (Amrita Vishwa Vidyapeetham, India)
1571095006	**Design and Fabrication of a Economical 3D-Printed Cylindrical Luneburg Lens**
	Maxon Okramcha (Changchun University of Science and Technology &Xiangshan 5G/6G Laboratory, China); Wang Zuobin (Changchun University of Science and Technology & International Reserach Centre for Nano Handling and Manufacturing of China (CNM), China); Ravi Kumar Arya (Zhongshan Institute of Changchun University of Science and Technology, China); Yida Fan (Changchun University of Science and Technology, China); Junwei Dong and Shiyuan Kong (Zhongshan Institute of Changchun University of Science and Technology, China); Raj Mittra (Penn State University, USA); **Anant Rajput** (JNU, India)

Session-1.1.3: Signal Processing - I (VENUE G12) (Offline)

Session Chair: Prof. Bhagwati Prasad	

Session Rapporteur: Dr. Sumit Mahajan, Session In-charge:Dr. Monika

1571093806	**RIWAPV: Robust image watermarking in compressed domain based on adjacent pixel variation**
	S. Mehraj, S. Mushtaq, **S. A. Parah** and G J. Qureshi (University of Kashmir, India); G J. Qureshi (Higher Education Department, India)
1571088381	**Alzheimer's Disease Detection using Bidirectional Empirical Mode Decomposition**
	Neha Garg (Ajay Kumar Garg Engineering College, Ghaziabad); Amit Garg (Ajay Kumar Garg Engineering College, Ghaziabad, India); Mahipal Singh Choudhry (Delhi Technological University, India)
1571088389	**Optimizing the Performance of Hybrid Software Defined Network (SDN) through Metaheuristic Algorithms**
	Deepak Bishla (Manav Rachna International Institute of Research and Studies,

		India); Brijesh Kumar (MRIIRS, India)
	1571095059	**Investigating the impact of Hilbert vibrational decomposition on chaos based image encryption algorithm**
		Vinay Kumar Sharma (Rajasthan Technical University Kota, India); Jankiballabh Sharma (Rajasthan Technical University, India)
	1571100753	**Automated Nuclei Segmentation using Shearlet based Unsharp Masking**
		Shivam Mishra (IIITDM, Jabalpur, India); Amit Vishwakarma (IIITDM JABALPUR, India); Ronak Vimal (IIITDM Jabalpur, India); Anil Kumar (IIITDMJ Jabalpur, India)
	1571088677	**Design and Implementation of FIR Filter using Different Architectures: A Comparative Study**
		Teena Soni, Anil Kumar and Manoj Kumar Panda (IIITDM Jabalpur, India)

	Session-1.1.4: Intelligent Computing and Machine Learning– II (Online Session-LT4)	
	Session Chair: Prof. Vishal Bhatnagar	
	Session Rapporteur: Dr. Piyush Sharma, Session In-charge: Dr. Ankur Gupta	
	1571101269	**RADAR: Robust Anomaly Detection and Recognition for IoT Botnet Attacks using Hyper-Dimensional Models**
		Abdullah M Alqarni, Faiz S Alshehri and Majed Saad Alharbi (Sacred Heart University, USA); Nitin Talreja (United Health Group, USA); **Sajal Bhatia** (Sacred Heart University, USA)
	1571101208	**Optimizing Resource Utilization of Big Data in Healthcare for Cardiovascular Disease Prediction**
		Vallathan G (Geethanjali College of Engineering and Technology, India); Karthi G (Saveetha Engineering College, India); Venkateshwarlu G (Geethanjali College of Engineering and Technology, India); Sundaramurthy B (Vinayaka Missions KirupanandaVariyar Engineering College, India)
	1571097642	**Barley Root and Shoot Growth Dynamics in Deep Water Culture Hydroponics: Comparative Analysis using AquaCrop Simulator**
		Monica Dutta (Chitkara University, India); Deepali Gupta and Deepam Goyal (Chitkara University Institute of Engineering and Technology, India); V Senthil (Government Engineering College, Bodinayakanur, Tamil Nadu, India)
	1571099780	**Transforming Healthcare with AI: Multimodal VQA Systems and LLMs**
		SowthikaSemmandampalayamVengatachalam (Kongu Engineering College,India); ThamilselvanRakkiannan (Kongu Engineering College, India)
	1571086512	**Detecting Alzheimer's Disease (gender-based) using different machine learning approaches**
		Nikhil Bisht, Harendra Singh Negi (Graphic Era Deemed to be University, India) Richa Indu, Sushil Chandra Dimri, Bhawnesh Kumar and Atika Gupta
	1571098677	**Federated Learning for Detecting Anomaly in IoT Networks**
		Vikas Tomar, Vikas Kumar Jain and Anil Kumar Yadav (VIT Bhopal University, India); Shiv Shankar Prasad Shukla (VIT BHOPAL University, India); Dharmveer Rajpoot (Jaypee Institute of Information Technology, Noida, India)
01:45 P.M - 02:30 P.M.	**Lunch**	
02:30 P.M- 03:30P.M.	**Keynote Talk 2: Prof. (Dr.) Bhim Singh** SERB National Science Chair & Emeritus Professor FNAE, FNA, FNASc, FASc, FTWAS, FIEEE, FIET, FIETE, FIE (I), C. ENGR Department of Electrical Engineering Indian Institute of Technology Delhi	

	(Offline) VENUE: LT4
03:30 P.M-03:45P.M.	**Tea**
03:45 PM-05:00 P.M.	**Technical Session 2** **(* Highlighted author name is the presenter name)**

	Session-1.2.1: VLSI Technology and Embedded Systems – I (VENUE G10) (Offline)	
	Session Chair: Prof. N. S. Beniwal	
	Session Rapporteur: Dr. Madhu Jain Session In-charge: Dr. Himani Gupta	
	1571095282	**Design and Simulation of Low Power Leakage- Controlled SRAM Cell**
		Avinash Singh, Rajeev Kumar Chauhan and Saurabh Kumar (Madan Mohan Malaviya University of Technology, India); Prince Kumar Singh (Madan Mohan Malaviya University Technology Gorakhpur, India)
	1571095066	**Analyzing Trap Charge Impact in Dopant Hetero-Material TFET via Interface Engineering**
		DipanshuKosre (NITRR, India); Bandi Venkata Chandan (National Institute of Technology, Raipur, India); Ajay Raghuvanshi (National Institute of Technology Raipur, India); Kaushal Kumar Nigam (National Institute of Technology, Raipur, India)
	1571088215	**Design and optimization of FinFET based Baugh-Wooley multiplier using PFAL**
		NadakuditiGnashmika, K V L Manasa, **Tenneti Sai Sasank** and Shelja Kaushal (Vellore Institute of Technology, India)
	1571085486	**Optimized Channel Length and Off state current for InAs/Si Heterojunction TFET**
		Mayank Sachan (National Institute of Technology Delhi); Wangkheirakpam Vandana Devi (National Institute of Technology Manipur, India); Manisha Bharati (National Institute of Technology, Delhi, India)
	1571096224	**Efficient Disease Diagnosis Platform: Multi-Model Solution for Early Health Condition Detection**
		K Nisha (JIIT, Noida, Sector 62, Uttar Pradesh, India); Shruti Kalra and Ruby Beniwal (JIIT, India)
	Session-1.2.2: Intelligent Computing and Machine Learning – III (VENUE G11) (Offline)	
	Session Chair: Prof. Vinod Kumar Yadav	
	Session Rapporteur: Dr. Ritu Raj, Session In-charge: Dr. Harish Bishwakarma	
	1571087842	**Blockchain Beyond Cryptocurrency: Exploring the Revolutionary Potential of Decentralized Ledgers in Supply Chain Management, Healthcare, and Governance**
		Reepu (Chandigarh University, India)
	1571098930	**Intelligent Malware Detection Using Sentence Transformer and Hybrid Deep Learning Architecture**
		Sanjeev Kumar (C-DAC Mohali, India); Yudhishthira Sapru (Indian Computer Emergency Response Team, India); SugandhaSapru (Panjab University, Chandigarh, India); Janet B (National Institute of Technology, India)
	1571088845	**An Empirical study of Loss Functions for Aspect Category Detection in Imbalanced Data Scenario**
		Nilanjana Das and Shahin Ara Begum (Assam University, Silchar, India)

1571094996	**Corn disease severity estimation using U2Net based convolution neural network**
	Sunil Bhardwaj (Nitttr Chandigarh sector 26, India & Punjab University, India); Meenakshi Sood (National Institute of Technical Teachers Training and Research, Chandigarh, India); Amod Kumar (NITTTR, Chandigarh, India)
1571095166	**A comparative analysis of machine learning techniques for identification and categorization of dermatological disorders**
	Tanya Shakya and Nikita Joshi (IMS Ghaziabad University Courses Campus, India)
1571103123	**Cutting Edge Weapon Detection in Real-Time CCTV Videos**
	Ajinkya Keshav Bamnolkar and Ashutosh Rajesh Gadge (GH Raisoni College of Engineering and Management, India); Kartik RamhariKhakre and Manisha G Waje (G H Raisoni College of Engineering and Management Pune, India); Vaishali Raut (Pune & GHRCEM, India); **Mohd Salman Khan** (JIIT Noida, India)

Session-1.2.3: Intelligent Computing and Machine Learning – IV   (VENUE G12) (Offline)

Session Chair: Prof. Arun Sharma	

Session Rapporteur:Dr. Monika, Session In-charge:Dr.Sumit Mahajan

1571088821	**Predicting Stock Market Movements in Response to Global Events**
	N H Shrinandh, Sanidhya Sharma, **Shivram Mohan** and Minakshi M Unnithan (Amrita Vishwa Vidyapeetham, India); Lalitha Sreeram (Amrita Vishwa Vidyapeetham & Amrita School of Engineering, India)
1571088720	**Cryptanalysis of RFID Based Authentication Scheme for IoT Environment**
	Aarti Goel (Netaji Subhas University of Technology, India); Devender Kumar (NSUT, India); Deepak Kumar Sharma (Indira Gandhi Delhi Technical University for Women)
1571100932	**Automated Weed Detection Using YOLOv8: A Deep Learning Approach for Indian Agriculture**
	Somay Raj Singh (JSS Academy of Technical Education, Noida, India); **Gayatri Sakya** (JSS University Noida); Monika Malik (JSS ACADEMY OF TECHNICAL EDUCATION NOIDA & JIIT NOIDA, India); Chhaya Grover (JSS Academy of Technical Education, Noida, India)
1571098463	**Advances in Negative Capacitance FinFET Technology: Insights into Design Innovations and Performance Enhancements**
	Shubhda Kaushik and RishuChaujar (Delhi Technological University, India)
1571098343	**A Review on Remote Patient Monitoring Systems**
	Kunaal Das, **Rahul Jathvani** and Swati Vaid (Inderprastha Engineering College, India)
1571100011	**Advancing Grammatical Error Correction for English Text: A Comparative Study of Bahdanau Attention and Multi-Head Attention Models**
	Khushi Garg and Samarth Soni (JIIT, India); **Richa Gupta** (Jaypee Institute of Information Technology, NOIDA, India); Neetu Singh (Bobble AI, India)
Session-1.2.4: VLSI Technology and Embedded Systems – II (Online Session – LT4)	

	Session Chair: Prof. Manish Goswami	
	Session Rapporteur: Dr. Ankur Gupta, Session In-charge:Dr. Piyush Sharma	
	1571100728	**Exploring Circuit Families for Optimizing 3×2 Multiplier: Design and Analyses**
		Rohan Raj (Vellore Institute of Technology, India); Navaneeth M (Vellore Institute of Technology Vellore Tamil Nadu India, India); Satheesh Kumar S (Vellore Institute of Technology, India)
	1571098100	**Assistive System for Monitoring Malnutrition in Children**
		Sushant S Mannolkar (MS Ramaiah Institute of Technology, Bangalore, India); Sara Mohan George (M S Ramaiah Institute of Technology, India); Mannitha R, Navya P and DivanapuPrathibha Bharathi (MS Ramaiah Institute of Technology, Bangalore, India)
	1571068259	**Compressor-Based Approach for Power-Optimized Error-Tolerant High Accurate Approximate Multipliers Design and Implementation**
		Lakshmi SowjanyaKoneru (NIT WARANGAL, India & V r siddhartha engineering college (Deemed to be university), India), Shravya Manchala, Dr. Prakash Kodali
	1571069002	**Optimised Power-Efficient Design of Approximate Multiplier using Approximate Compressor**
		Lakshmi SowjanyaKoneru (NIT WARANGAL, India & V r siddhartha engineering college (Deemed to be university), India), Bodigam Chaithanya, Prakash Kodali
	1571098542	**Explainable AI in Credit Card Fraud Detection: SHAP and LIME for Machine Learning Models**
		Satya KeerthanaChirumamilla (Indian Institute of Technology Kanpur, India); Siri ChadanaNalluri, **Simrah Muskaan** and PoorvieSadagopan (Indian Institute of Technology, Kanpur, India)
	1571087145	**Design and optimization of efficient CNN hardware of digital number recognition for low power**
		Prakash Kumar and Anshuj Jain (Rabindranath Tagore University, India); Laxmi Singh (Rabrindranath Tagore University, India)
	Day 2: Friday, Feb 21, 2025	
09:00 A.M - 10:15 A.M.	**Technical Session 3** **(* Highlighted author name is the presenter name)**	
	Session-2.1.1: Communication – II (VENUE G10) (Offline)	
	Session Chair: Prof. Vineet Khandelwal	
	Session Rapporteur: Dr. Mohd Salman Khan, Session In-Charge: Dr. Divya Kaushik	
	1571081246	**Study of RSSI and Throughput in Identical Residential Units with Various Wi-Fi Configurations**
		Varun Kumar (Indian Institute of Information Technology Vadodara, India); **Sakshi Somani** (Indian Institute of Information Technology, Vadodara, India); Hari Gopal Jarupla (IIIT vadodara, India)
	1571086356	**A Wideband Polarization-Independent Metasurface Absorber using Vanadium Dioxide (VO2)**
		Soumava Biswas and SreejitaSamanta (University of Calcutta, India); **Ajeet Singh Verma** (IIT BHU Varanasi, India); Somak Bhattacharyya (IIT (BHU), India)

1571099506	**Performance Evaluation of GSSMM and EISPA in Mobile Edge Computing Environment**
	Aryman Gupta and Akanksha Tandon (NIT Rourkela, India); Sanjeev Patel (National Institute of Technology Rourkela, India); Anil Saini (Bajaj Auto Limited Pune, India)
1571086353	**A polarisation insensitive broadband absorbing metasurface based on phase change material**
	SreejitaSamanta and Soumava Biswas (University of Calcutta, India); **Ajeet Singh Verma** (IIT BHU Varanasi, India); Somak Bhattacharyya (IIT (BHU), India)
1571095114	**HMSIW-Based MIMO Antenna with Enhanced Isolation for Advanced V2X Communication**
	Mr. Shaik Mahaboob Subani (Acharya Nagarjuna University, India); Dr. S Nagakishore Bhavanam (Mangalayatan University Jabalpur, India); Mrs. Vasujadevi Midasala (JNTUA, India); Dr. M. Gopi Krishna (Acharya Nagarjuna University, India)
1571100962	**V2I communication coverage analysis for VANET: A case study for city of Bengaluru, India**
	Suyash Sharma and Satish S Bhojannawar (KLE Technological University, India)
Session-2.1.2: Signal Processing – II (VENUE G11) (Offline)	
Session Chair: Dr.Manoj Kumar Mukul	
Session Rapporteur: Ms. Vaishali Sharma, Session In-charge: Dr. Nitin Muchhal	
1571101047	**Functional Connectivity and Power Spectral Density Analysis of EEG Signals in Meditation**
	Sahil Attri and RajashriKhanai (KLE Technological University, India)
1571099786	**Altered Attentional Network Dynamics in Temporal Lobe Epilepsy: A MEG-Based Analysis**
	Suhas M V (Manipal Institute of Technology, India); Mariyappa N (NIMHANS, India); Anitha H (Manipal Institute of Technology, India); Sanjib Sinha (NIMHANS, India); KarunakarKotegar (Manipal University, India); Ravindranadh M Chowdary, Raghavendra K, Ajay Asranna and Viswanathan L.G (NIMHANS, India)
1571088479	**Automated snoring detection system using synchrosqueezed wavelet transform**
	DhanhanjayPachori, **Ardhish Kunal Patel** and Tapan Kumar Jain (Indian Institute of Information Technology, Nagpur, India)
1571095078	**Automated classification of snoring and non-snoring sound signals based on singular superlet transform**
	DhanhanjayPachori, Kamal Raj and Tapan Kumar Jain (Indian Institute of Information Technology, Nagpur, India)
1571088443	**Skin Cancer Classifier: Performance Enhancement using Deep Learning Models**
	Swati Mishra (JAYPEE Institute of Information and Technology, NOIDA, India & JSS Academy of Technical Education NOIDA, India); Megha Agarwal (Jaypee Institute of Information Technology, India)
Session-2.1.3: Intelligent Computing and Machine Learning – V (VENUE G12) (Offline)	
Session Chair: Prof. Thipendra P Singh	

Session Rapporteur: Ms. Jyoti Deshwal Yadav, Session In-charge: Dr. Rahul Kumar	
1571101088	**Exploring Artificial Intelligence Techniques for Enhanced Accuracy in Medical Imaging and Early Disease Diagnosis**
	Sandeep Kumar (SR University, India); **Monali Gulhane** (University of Nagpur, India); Pratik Kamal Agrawal (Symbiosis Institute of Technology NAGPUR, India); Nitin Rakesh (Symbiosis Institute of Technology Nagpur, India & SIT Nagpur, India); Saurabh Bhattacharya (Galgotias University Greater Noida, India)
1571101002	**Advancing Blockchain-Based Systems to Enhance Security and Privacy in Healthcare Data Management Practices**
	MonaliGulhane (University of Nagpur, India); Nitin Rakesh (Symbiosis Institute of Technology Nagpur, India & SIT Nagpur, India); Saurav Dixit (Centre of Research Impact and Outcome Chitkara University, India); **Rashmi Sharma** (Symbiosis Institute of Technology, Nagpur, India & Symbiosis International University, Pune, India); Sandeep Kumar (SR University, India)
1571101077	**A Comprehensive Machine Learning Model for Kidney Stone Prediction**
	Ankita Tiwari (College of Engineering KoneruLakshmaiah Education Foundation, India); **Monali Gulhane** (University of Nagpur, India); Nitin Rakesh (Symbiosis Institute of Technology Nagpur, India & SIT Nagpur, India); Pratik Agrawal (Symbiosis Institute of Technology NAGPUR, India); Saurabh Bhattacharya (Galgotias University Greater Noida, India); Sandeep Kumar (SR University, India)
1571101044	**An Intelligent Approach to Cost-effective Management of Typhoid Fever in Children**
	Kingsley T. Igulu (Kenule Beeson Saro-Wiwa Polytechnic, Nigeria); **Thipendra P Singh** (Bennett University, Greater Noida, Uttar Pradesh, India); Tosin C. Olayinka (Wellspring University, Benin City, Edo State, Nigeria); Ojei H. Onyijen (Ambrose Alli University Ekpoma, Nigeria); Edwin Onatuyeh (Delta State University of Science & Technology, Nigeria); Wilson Nwankwo (Delta State University of Science & Technology, O, Nigeria)
1571101048	**Geneto-Neuro-Fuzzy Solution for Detection of Early Prostate Cancer**
	Duke Oghorodi (Delta State University of Science & Technology, Ozoro, Nigeria); Kingsley T. Igulu (Kenule Beeson Saro-Wiwa Polytechnic, Nigeria); **Thipendra P Singh** (Bennett University, Greater Noida, Uttar Pradesh, India); EdafeAtajeromavwo (Delta State Polytechnic, Ogwashi-uku, Nigeria); Wilson Nwankwo (Delta State University of Science & Technology, O, Nigeria)
1571101026	**'Predicting Customer Churn Rate using Machine Learning**
	Deep Raut (Symbiosis Institute of Technology Nagpur Campus Symbiosis International, India); Arya Nimje and DevanshuBhagwatkar (Symbiosis Institute of Technology, Nagpur Campus, India); (Symbiosis Institute of Technology Nagpur, India & SIT Nagpur, India); **Rashmi Sharma** (Symbiosis Institute of Technology, Nagpur, India & Symbiosis International University, Pune, India); MonaliGulhane (University of Nagpur, India)

	Session-2.1.4: Intelligent Computing and Machine Learning - VI (Online Session – LT4)	
	Session Chair: Prof. Kaushik Rai	
	Session Rapporteur: Dr. Ajitkumar, Session In-charge: Dr. Prabhakar Jha	
	1571099137	**Deep Learning for Facial Emotion Recognition: Insights from EmoNet**
		G Vallathan (Geethanjali College of Engineering and Technology, India); SenthilkumarMeyyappan (NallaMalla Reddy Engineering College, India); M Raman Kumar (NallaMalla Reddy Engineering College, India & JNTU Hyderabad, India);M. Gowthami M (Vinayaka Missions KirupanandaVariyar Arts and Science College Vinayaka Missions, India)
	1571098553	**AI-Driven Real-Time Exercise Repetition Counting System**
		Ratan Lal, Rikriti Koirala, Sai Swathi Thota and Khaja Nayab Rasool Shaik (Northwest Missouri State University, USA)
	1571093666	**Formation of Use Case Scenario Based on Use Case Diagram Using Text Semantics for IdVar4CL Application Development**
		Maritza Amalia IkaLaksana, YudiPriyadi and Yanuar Firdaus Arie Wibowo (Telkom University, Indonesia)
	1571101214	**Challenges in Infrared Small-Target Detection: A Benchmark of YOLO Models on UAV and Bird Infrared Imagery**
		Swapnil Shahapurkar, **Pratiksha Angadi**, Chandni Kumari, Prashant Uppar and Prema T. Akkasaligar (KLE Technological University, India)
	1571093669	**Functional and Non-Functional Requirement (FR and NFR) Formation Based on Requirement Elicitation Using Text Semantics in IdVar4CL Artifact**
		NaylaFatimatuzzahra and YudiPriyadi (Telkom University, Indonesia); Rio Nurtantyana (National Research and Innovation Agency, Indonesia & Telkom University, Indonesia)
	1571088768	**Classification of 3D Dynamic Contrast Enhanced Breast Tumor MRI Images Using CNN**
		Anjana Divakaran, J. Glory. Precious and S.P. Angeline Kirubha (SRM Institute of Science and Technology, India)
10:15 A.M - 10:30 A.M.	**High Tea**	
10:30 A.M - 11:15 A.M.	**Keynote Talk 3:** **Prof. Ananjan Basu** Professor, Centre for Applied Research in Electronics IIT Delhi **(Offline) VENUE: LT4**	
11:15 A.M - 12:30P.M.	**Technical Session 4** **(* Highlighted author name is the presenter name)**	
	Session-2.2.1: VLSI Technology and Embedded Systems – III (VENUE G10) (Offline)	
	Session Chair: Dr. Baljit Kaur	
	Session Rapporteur:Dr.Manika Jha , Session In-charge: Mohd Salman Khan	
	1571095076	**Design and Simulation of High Sensitivity AlGaN/GaN Based MOS-HEMT Biosensor for Biomolecule Detection**
		Rakesh Kumar (National Institute of Technology Raipur, India); Bandi Venkata

		Chandan and Kaushal Kumar Nigam (National Institute of Technology, Raipur, India); Ashish Kumar, Adil Tanveer and Hitesh Kumar (NIT Raipur, India)
	1571098949	**Study and Experimental Analysis of High-Performance Low-Power ALU using FinFET Device**
		Rahul Kumar (National Institute of Technology, Delhi, India); Dhandapani Vaithiyanathan (National Institute of Technology Delhi, India); Jyoteesh Malhotra (National Institute of Technology, Delhi, India); Preeti Verma and Baljit Kaur (National Institute of Technology Delhi, India)
	1571100879	**Latch and Flip-Flop Design Using Memristors and Transmission Gates with Timer Counter Implementation**
		Aditya Rayer, Mavulluru Ganesh and LaviTanwar (Delhi Technological University, India)
	1571101301	**First-Order Current-Mode All-Pass Frequency Selective Circuit with Single DCCII and Minimal Component Count**
		Khushbu Bansal and Jitendra Mohan (Jaypee Institute of Information Technology, India); Bhartendu Chaturvedi (Jaypee Institute of Information Technology, Noida, UP, India)
	1571101234	**An Efficient Automatic Car Parking Slot Allocation System**
		N Srivani, Prasanth A, K Srija and Chinthala Ramesh, Jayashree M. Oli (Amrita School of Engineering Amrita Vishwa Vidyapeetham Bengaluru, India); Jayashree Oli (Amrita School of Engineering, Bangalore, India)
	1571095113	**Engineering Interfaces to Address Trap Charge Challenges in Dopant-Free TFET**
		Madhura Prashant Bakshi, Bandi Venkata Chandan and Kaushal Kumar Nigam (National Institute of Technology, Raipur, India); Ashish Kumar, Adil Tanveer and Ashok Vaddeswarapu (NIT Raipur, India)
	Session-2.2.2: Intelligent Computing and Machine Learning – VII (VENUE G11) (Offline)	
	Session Chair: Dr. Shelly Sachdeva	
	Session Rapporteur: Dr. Aanchal Agarwal, Session In-charge: Ms. Vaishali Sharma	
	1571094222	**Analyzing the Efficacy of Machine Learning Models towards Forecasting the Influence Spread of Nodes in Complex Networks**
		Megh Singhal and Bhawna Saxena (Jaypee Institute of Information Technology, Noida, India)
	1571094598	**Regional Analysis of Influential Meteorological Factors in Monthly Precipitation Forecasting Using Machine Learning**
		Vinita Sangwan and Rashmi Bhardwaj (Guru Gobind Singh Indraprastha University, Dwarka, Delhi, India)
	1571087507	**A Comparative Analysis Of Deep Learning Techniques For Face Mask Detection System In Nuclear Power Plant**
		Satya Ranjan Panda, **Anuradha Rani Choudhury** and Ashis Kumar Mishra (OUTR , Bhubaneswar, India)
	1571100800	**Enhancing Lung Cancer Detection by Leveraging Machine Learning Algorithms**
		Anuradha Rani Choudhury, Satya Ranjan Panda, Ashis Kumar Mishra and JyotirumayeeRoutray (OUTR , Bhubaneswar, India)
	1571072046	**Predicting Daily Rainfall Amount Using Random Forest, Multivariate Linear Regression and Extreme Gradient Boosting**

	Barun Kumar, Punam Kumari and **Ajit Patel** (Galgotias University Greater Noida, India); Sanjeev Kumar Prasad (Galgotias University, India)

Session-2.2.3: Intelligent Computing and Machine Learning – VIII (VENUE G12) (Offline)

Session Chair: Prof. Ashish Srivastava

Session Rapporteur: Dr. Shivani, Session In-charge: Ms. Jyoti Deshwal Yadav

1571100727	**Generative AI Meets IoT: A Bibliometric Mapping of Research and Development**
	Parneet Kaur (Chitkara University Punjab, India); Deepali Gupta (Chitkara University Institute of Engineering and Technology, India); Mudita Uppal (Chitkara University, India)
1571099395	**Real Time Machinery Health Detection Via Thermal Imaging**
	Jahiya Khan (Defence Institute of Advanced Technology, Girinagar, Pune, India); Manisha Jitendra Nene (Defence Institute of Advanced Technology, India)
1571095128	**Generating Avatar Using HamNoSys and SiGML for British Sign Language**
	Harshit Singh and Ashish Mishra (Jaypee Institute of Information Technology, India); Rahul Dubey (Madhav Institute of Technology and Science, India); Vipin Tiwari (Symbiosis Institute of Technology, Symbiosis International (Deemed) University, Pune., India)
1571098505	**Integrating Facial Image Data for Autism Identification: A Comparative Evaluation of Deep Learning Classifiers**
	Khushi Jindal (Indira Gandhi Delhi Technical University for Women, India); Jitendra Narayan (CSIR IGIB, India); Devendra Tayal (IGDTUW, India)
1571098127	**Comparative Analysis of Object Detection Accuracy in Diverse Background Conditions**
	AparajitaSheoran (Jaypee Institute of Information Technology, India); Aman Tripathi (Jaypee Institute of Information Technology, Noida, India); Ankur Bhardwaj (Jaypee Institute of Information Technology Noida, India)
1571100954	**Dual mode Biquadratic fractional order filter using VDTA**
	Dhairya Vardhan (Bharat electronics limited, India); Sachin Nath Agarwal (Bharat Electronics Limited, India)

Session-2.2.4: Communication– III (Online Session – LT4)

Session Chair: Prof. Basant Kumar

Session Rapporteur: Dr. Niraj Kumar, Session In-charge: Dr. Ajitkumar

1571098078	**Enhanced Image Steganography using Customized Differences between the Neighboring Pixels**
	Maulana Alirridlo, AdifaD'Layla, Ntivuguruzwa Jean De La Croix and Tohari Ahmad (InstitutTeknologiSepuluhNopember, Indonesia)
1571098080	**Enhanced Data Hiding Based on First, Middle, and Last Order Pixel in Spatial Domain Images**
	Mr. Rahmad Hidayat (InstitutTeknologiSepuluhNopember, Indonesia & STAIN Sultan Abdurrahman Kepulauan Riau, Indonesia); Mrs.Adifa D'Layla, Mr. Ntivuguruzwa Jean De La Croix and Prof. Tohari Ahmad (InstitutTeknologiSepuluhNopember, Indonesia)
1571089205	**5G Network Slicing Prediction Using Explainable Artificial Intelligence(X-AI)**
	MWP Maduranga (Sri Lanka Technology Campus Padukka, Sri Lanka); HKIS

		Lakmal (NSBM Green University Town, Sri Lanka); UdeshOruthota (Sri Lanka Technological Campus, Sri Lanka); Valmik Tilwari (Indian Institute of Information Technology, Guwahati, India); **Debashree Sharma** (Institute of Information Technology, Guwahati, India); SamiruGayan (University of Moratuwa, Sri Lanka)
	1571100919	**Honeypot-Based Security System for Intrusion Detection and User Protection**
		Ms. Animela Niharika (Amrita Vishwa Vidyapeetham, India); **Mr. Konapala Neehar Phani** (Amrita Vishwa Vidyapeetham, Bengaluru, India); Mr. Kalagara Venkata Sampath Raj (Amrita Vishwa Vidyapeetham, India); Mr. Sagar Basavaraju (Amrita Vishwa Vidyapeetham, Amrita University, India)
	1571098083	**Enhancing Data Security Through Double Steganography Approaches**
		Mr. Irfan Mirda, Mrs. AdifaD'Layla, Mr. Ntivuguruzwa Jean De La Croix and Prof. Tohari Ahmad (InstitutTeknologiSepuluhNopember, Indonesia)
	1571088464	**Neural Network-Based Evaluation of Energy Consumption across Diverse Zones**
		Manish Sehjihta (Jaypee University of Information Technology, India); Shruti Jain (Jaypee University of Information Technology, Waknaghat, India)
12:30 P.M - 01:30 P.M.		**Keynote Talk 4:** **Dr Manish Kumar Hooda,** Director, Indian semiconductor Mission & Head, Technology, development, SCL, Chandigarh Director , Meity, India **(Offline) VENUE: LT4**
01:30 P.M- 02:30 P.M.		**LUNCH**
02:30 P.M - 04:00 P.M.		**Technical Session 5** **(* Highlighted author name is the presenter name)**
		Session-2.3.1: Communication –IV (VENUE G10) (Offline)
		Session Chair: Prof. Sandeep K Singh
		Session Rapporteur:Dr. Divya Kaushik, Session In-charge: Dr. Manika Jha
	1571101185	**Blockchain Enabled Data Communication Scheme for Vehicular Named Data Networks'**
		Anu Kaushik, Rasmeet S Bali (Chandigarh University, India)
	1571093305	**Quantum Polarization in Two-Mode Generalized Binomial State**
		Anjali Jatwani and Amit Verma (Jaypee Institute of Information Technology, Noida, India)
	1571088809	**Design and Performance Analysis of a 16-Channel DWDM RoF System Using 112 Gbps Coherent DP-QPSK Modulation**
		Dr.Priyanka Thakur and **Dr. Manisha Bharati** (National Institute of Technology, Delhi, India)
	1571060519	**Statistical Analysis and Unsupervised Clustering of Faults in Grid-Connected Solar PV Systems Using K-Means**
		Vinay Singh and Ruby Beniwal (Jaypee Institute of Information Technology, India)
	1571095117	**Leveraging Machine Learning for Predicting Molecular Refractivity in Drug Toxicology**

	Saloni Joshi and Reema Gabrani (Jaypee Institute of Information Technology, India); **Ruby Beniwal** (JIIT, India)
1571100755	**Performance Enhancement of IRS-assisted Communication Systems Under Rayleigh Fading Channels**
	Ravneet Chawla (Jaypee Institute of Information Technology, India); Bajrang Bansal (Jaypee Institute of Information Technology, Noida, India)

Session-2.3.2: VLSI Technology and Embedded Systems – IV (VENUE G11) (Offline)	
Session Chair: Prof. R. K. Dwivedi	
Session Rapporteur:Dr. Nitin Muchhal, Session In-charge: Dr. Aanchal Agarwal	
1571098955	**A Study On Thickness Optimization And Variation In Lead Free Perovskite CH3NH3SnBr3**
	Aryan Sharma and Atul Srivastava (Jaypee Institute of Information Technology, India)
1571098547	**Tuning of Piezoelectric Energy Harvester for Self Powered Pacemaker Application**
	Ojas Chauhan and **Shradha Saxena** (Jaypee Institute of Information Technology, Noida, India)
1571064308	**Temperature Sensitivity Analysis of Electrically Doped GaSb/GaAs Heterojunction TFET**
	Priyanka Kwatra (Jaypee Institute of Information Technology, India); Vinay Anand Tikkiwal (JIIT, Noida & ECE, India); Mukesh Kumar Bind (Jaypee Institute of Information Technology, Noida, India); Dharuv Verma and Jatin Pathak (Jaypee Institute of Information Technology Noida, India)
1571096245	**Beyond Limits: Machine Learning Driven Reliability Forecasting for Nanoscale ULSI Circuits**
	Karan Singh (Jaypee Institute of Information Technology, India); Shruti Kalra (JIIT, India)
1571096238	**Reliability-Aware Machine Learning Prediction for Multi-Cycle Long-Term PMOS NBTI Degradation in Robust Nanometer ULSI Digital Circuit Design**
	Karan Singh (Jaypee Institute of Information Technology, India); Shruti Kalra (JIIT, India)
1571064367	**Sensitivity Analysis of a Polarity-Controlled Tunnel Field-Effect Transistor-based Biosensor**
	Mukesh Kumar Bind (Jaypee Institute of Information Technology, Noida, U.P., India); Sajaivir Singh (Jaypee Institute of Information Technology, Noida, U. P., India); Kaushal Kumar Nigam (National Institute of Technology, Raipur, Chhattisgarh, India)
Session-2.3.3: VLSI Technology and Embedded Systems – V (VENUE G12) (Offline)	
Session Chair: Prof. Jitendra Mohan	
Session Rapporteur:Dr. Rahul Kumar, Session In-charge: Dr. Shivani	
1571095045	**CapsNet-Based Deep Learning Approach for Robust Image Forgery Detection**
	Deepak Joshi (Jaypee Institute of Information Technology, Noida, India);

	Abhishek Kashyap (Jaypee Institute of Information Technology, India); Parul Arora (JIIT, India)
1571095088	**Unmanned Aerial Vehicle (UAV) Types, Sensors, Control & Applications: A Review**
	MunishPatial (Jaypee University of Information Technology Waknaghat, India); Rajiv Kumar (JUIT, India); M J Nigam (RIT Roorkee, India)
1571099688	**Exploring SRAM Layout Using Open-Source Tools: A Case Study with Skywater 130nm PDK, Magic, Xschem, ngSpice, and OpenRAM**
	Om Bhatt, Darshana Sankhe, Avinash More (NMIMS, India)
1571088756	**Progressive Use of IoT and 5G network-based systems post COVID-19 pandemic**
	VishwajeetVishwajeet (Sharda University, Greater Noida, India); Pallavi Gupta (Sharda University, India); Arvind Kumar (Sharda University Greater Noida, India); Ayushi Singh (Dayalbagh Educational Institute, India)
1571088766	**Use of AI/ML-based systems in healthcare domain in reference with COVID-19 pandemic**
	Ayushi Singh (Dayalbagh Educational Institute, India); Vishwajeet (Sharda University, Greater Noida, India)
1571095011	**Implementation of High Speed Cascode Cross -Coupled Stage Comparator in CMOS Technology**
	Nishi Pandey (Rabindranath Tagore University, India); Laxmi Singh (Rabrindranath Tagore University, India)

Session-2.3.4: Signal Processing -III – (Online Session – LT4)

Session Chair: Dr. Vipin Balyan

Session Rapporteur: Dr. Prabhakar Jha, Session In-charge: Dr. Niraj Kumar

1571100783	**Binarization in DeepFake Audio Detection: A Comparative Study and Performance Analysis**
	SaliqGowhar and Atul Pandey (National Institute of Technology Karnataka, India); Bhawana Rudra (National Institute of Technology Karnataka, Surathkal, India)
1571098516	**Adaptive CEEMD-SVD Joint Denoising Algorithm via Aquila Optimization in FMCW Radar**
	Jiaxin Cao, Huiyue Yi, Wuxiong Zhang and Hui Xu (Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Shanghai, China)
1571094966	**Adaptive Logistic Regression Leveraging Arctan in Active Learning**
	Sananda Kumar (KIIT University, India)
1571076535	**A Sigmoid Filter Proportionate Normalized LMS Algorithm for Sparse Systems**
	Deepak Kumar Rout (KIIT University, Bhubaneswar, India); Ansuman Patnaik, **Mrs Rosalin** and Satish Kumar Gannamaneni (KIIT University, India)
1571083977	**Multi-Hop Satellite Communications Link Analysis in the South Pacific Region**

		Donaldson Liu (Fiji National University, Fiji); SairusiKorodrauNaivaluwaqa (Fiji International Telecommunications Ltd, Fiji); Bebeto Merak (Fiji National University, Fiji); DeshvinDavnit (Chand, Fiji); Satyanand Singh, Sr. (Fiji National University, Fiji & Electronics, Instrumentation and Control Engineering, Fiji); JiuliasiUluiburotu (Fiji National University, Fiji)
	1571101178	**Vidhya: A Virtual Tutor for Enhancing English Education in Rural Areas of India**
		Sruthy Anand and **Kasa Amareswar Reddy** (Amrita Vishwa Vidyapeetham, India); Pitti Abhiram Reddy (Amrita vishwavidyapeetham, India); Chandolu Shanmukha Srinivas (Amrita Vishwavidyapeetham, India); Sethuraman N Rao (Amrita Vishwa Vidyapeetham, India)
04:00 P.M - 04:15 P.M.		**Tea**
05:30 P.M - 06:30 P.M.		Keynote Talk 5: **Prof. Ravinder Dahiya** Professor, Department Electrical and Computer Engineering Bendable Electronics & Sustainable Technologies (BEST) Gp., Northeastern University College of Engineering, 360 Huntington Ave Boston, MA 02115, USA **(Online) VENUE: LT4**
		Day 3: Saturday, Feb 22, 2025
09:00 A.M - 10:00 A.M.		**Technical Session 6** **(* Highlighted author name is the presenter name)**
		Session-3.1.1: Communication -V (VENUE G10) (Offline)
		Session Chair: Dr. Abhinav Gupta
		Session Rapporteur: Ms. Vaishali Sharma, Session In-charge: Mr. B. Suresh
	1571094997	**Enhancing Non-Orthogonal Multiple Access with Practical Successive Interference Cancellation: A MIMO Approach with Interference-Predicted MMSE Techniques**
		Mr. Neeraj Dwevedi (Amity University, LUCKNOW, India); Sachin Kumar (Amity University Lucknow Campus (UP) India, India); Sudeep Tanwar (Nirma University & Institute of Technology, India); Subhanshu Tyagi (Thapar Institute of Engineering & Technology, Deemed University, Patiala, India)
	1571100866	**Probe Based SIW Microwave Sensor for Detection of Adulteration in Mustard Oil**
		Abhay Kumar (Jaypee Institute of Information Technology Noida, India); Nitin Muchhal (Jaypee Institute of Information Technology Noida); Nidhi Tewari (Jaypee Institute of Information and Technology, India)
	1571099800	**Performance Analysis of Interference Limited Hybrid RF/FSO Satellite-Terrestrial Networks**
		Abhijeet Upadhya (Jaypee Institute of Information Technology Noida, India); Anu Goel (NSUT East Campus (Formerly AIACTR), Affiliated to GGSIPU, India)
	1571096573	**Downlink Throughput, SINR & Coverage Analysis in Urban Scenario for LTE &mmWave 5G NR MIMO**

	Ms. Swarnima Jain, **Mr. Goutam Kumar,** Mr. Anhad Markan and Dr. C M Markan Goutam Kumar (Dayalbagh Educational Institute, India)
1571101186	**Smart parking and automation based system as dynamic approach**
	K. Sherin, A.R. Darshika Kelin **,Hains Immanuel Vaiz** (Anna university, India); Bharath B (Anna University, India)

Session-3.1.2: VLSI Technology and Embedded Systems – VI   (VENUE G11) (Offline)

Session Chair: Prof. Arti Noor	
Session Rapporteur: Ms. Jyoti Deshwal Yadav, Session In-charge: Ms. Amrita Kaul	
1571101191	**Sensitivity analysis of Dielectric Modulated Dual Gate Gallium Nitride Junctionless Accumulation Mode Nanowire FET based Biosensor**
	Anupama, Sonam Rewari and Neeta Pandey (Delhi Technological University, India)
1571095077	**Temperature-Dependent Sensing Properties of SOI-SDG-FinFET for Chemical Detection**
	Ajay Kumar Singh (NITRR, India); Bandi Venkata Chandan and Kaushal Kumar Nigam (National Institute of Technology, Raipur, India); Ashish Kumar and Adil Tanveer (NIT Raipur, India); Dharmender N (GLBITM, India)
1571086524	**Multiplexer SRAM Combination-Based Design of Multiple Combinational Gates for In-Memory Computation'**
	Mohit Gupta, Ravi S Siddanath and Nishant Dwivedi (IIIT ALLAHABAD, India); Nitish Kumar (Indian Institute of Information Technology, Allahabad, India); KavindraKandpal (Indian Institute of Information Technology Allahabad, Prayagraj, India); Manish Goswami (Indian Institute of Information Technology, India)
1571100914	**Subthreshold Performance Comparison of Doped and H-Cu Carbon Interconnects**
	Ramneek Sidhu (Chandigarh University, India); Mayank Kumar Rai (Thapar Institute of Engineering and Technology, India)
1571101166	**Developing Predictive Models and GUI for Area & Power Estimation of PISO Shift Register for FPGAs**
	Radhika Gupta (Ajay Kumar Garg Engineering College, Ghaziabad - Uttar Pradesh, India); Priti Kumari (A.P.J. Abdul Kalam Technical University, Lucknow - Uttar Pradesh, India); Rashi Jaiswal (A.P.J. Kalam Technical University, Lucknow - Uttar Pradesh, India); Tukur Gupta (Ajay Kumar Garg Engineering College Ghaziabad, India)

Session-3.1.3: Intelligent Computing and Machine Learning – IX   (Online Session – LT4)

Session Chair: Prof. Bhaskar Gupta	
Session Rapporteur: Dr. Ajitkumar, Session In-charge: Ms. Bhuvaneshwari S.	
1571086378	**Next-Generation Bug Reporting: Enhancing Development with AI Automation**
	Avinash Patil (Juniper Networks, USA); Aryan Jadon (Juniper Networks Inc, USA)
1571097741	**Intelligent Human Behaviour Detection Leveraging ConvLSTM and LRCN Deep Learning Approaches**

		Chakradhar Amingad, Harika Janmanchi, Mohammed Sultan, K Shalini, Shanmugasundaram Hariharan and Bhanu Prakash Maddala (Vardhaman College of Engineering, India)
	1571098184	**Evaluating Machine Learning Algorithms for Effective Credit Card Fraud Detection**
		Parth Saxena (Independent Researcher, Houston, Texas, USA)
	1571100926	**Evaluating Machine Learning Algorithms with Feature Selection for Cybersecurity: A Case Study on Pegasus Spyware**
		Kakarlapudi Amit (Amrita Vishwa Vidyapeetham University, India & Amrita Vishwa Vidyapeetham, India); **SravyaGorle** (Amrita Vishwa Vidyapeetham, India); Dhanush Sai Kurukundu (Amrita Vidhya Vidyapeetham, India); Sagar Basavaraju (Amrita Vishwa Vidyapeetham, Amrita University, India)
	1571098518	**Leveraging Machine Learning for Fraud Identification in International Shipping**
		Rahul Jaiswal (University of Agder, Norway); **Anu Priya** (Notion, India)
	1571088792	**Smart Gym Assistant: Posture Monitoring and Rep Counting**
		Lalitha Sreeram (Amrita Vishwa Vidyapeetham & Amrita School of Engineering, India); **Arya Jayasankar**, Krishnendu M Uday and **Ishaan Shokeen** (Amrita Vishwa Vidyapeetham, India)
10:00A.M - 10:15 A.M.	**High Tea**	
10:15 A.M - 11:15 A.M.	**Keynote Talk 6: Dr. Surya Bhattacharya** Director of System in Package (SiP) at A*STAR Institute of Microelectronics (IME), Singapore **(Online) VENUE: LT4**	
11:15A.M - 12:30 P.M.	**Technical Session 7** **(* Highlighted author name is the presenter name)**	
	Session-3.2.1: Women in Engineering – I (VENUE G10)(Offline)	
	Session Chair: Dr. Krishna Singh	
	Session Rapporteur: Mr. B. Suresh, Session In-charge: Dr. Ankur Gupta	
	1571100976	**Advancements in Automated Segmentation Techniques for Endometrial Cancer : A Comprehensive Review**
		Kirti Aggarwal, Aastha Singhal, **Sakshi Singh** and Najme Zehra Naqvi (Indira Gandhi Delhi Technical University for Women, India)
	1571099487	**Transfer Learning based Fusion of CT and MR Images**
		Pragya Gupta (Jaypee University of Information Technology, India); Nishant Jain (JUIT, India)
	1571101032	**Intelligent obstacle detection and classification for visually impaired individual**
		Harsh Raj Singh Solanki (G H Raisoni College of Engineering and Management, PUNE, India); **BhagyashriKalidasBirajdar** (G H Raisoni College of Engineering and Management Pune, India); Aniket SampatRaykar and Rupali Bapurao Patil (G H Raisoni College of Engineering and Management, India)
	1571097232	**Highly Birefringent Terahertz PCF Using Epsilon-Near-Zero (ENZ) Material for Polarization Maintaining Applications**
		Ms. A. Alice Linsie , Ms (SRM Institute of Science and Technology, Ramapuram, India); Shyamal Mondal (Defense Institute of Advanced Technology, Girinagar, Pune, Maharashtra, India); Shanthi Prince (Department of Electronics and

	Communication Engineering ,SRM Institute of Engineering and Technology)
1571101159	**Assessment of a Metal-Strip on Stack Gate Oxide Underlap TFET for Improvement of Analog/RF and Linearity Performance**
	Priyanka Verma (JIIT, Noida, India); Satyendra Kumar (JIIT NOIDA, India)

Session-3.2.2: Industrial Application – I (VENUE G11) (Offline)

Session Chair: Dr. Pushpendra Kumar	

Session Rapporteur: Ms. Amrita Kaul, Session In-charge: Dr. Himani Gupta	

1571082935	**An improved modified adaptive PNGV model for electric vehicle battery performance & charge stability**
	Ravish Yadav, MunishManas and Rajesh Kumar Dubey (dept. of Electrical Engineering, Central University of Haryana Mahendragarh-123031, Haryana India)
1571097535	**Optimal Dispatch Strategy for Roof Top Solar PV-Based EV Charging Stations**
	Rishabh Mishra (Rajkiya Engineering College Ambedkar Nagar, India); Mohammed Aslam Husain and Yudhishthir Pandey (Rajkiya Engineering College, Ambedkar Nagar UP, India); Asif Khan (Integral University, UP, India); Alka Agrawal (Babasaheb Bhimrao Ambedkar University, India); Shivam Mishra (Rajkiya Engineering College, Ambedkar Nagar, India)
1571100754	**A Quantum-Enhanced Semantic Communication Framework for Securing Military Health IoT Data**
	Anmol Agrawal (IIIT, Naya Raipur, India); Rishabh Verma (IIIT Naya Raipur, India); Amar Sinha (IIIT, Naya Raipur, India)
1571088694	**Automated Power Quality Assessment Using IEVDHM Technique**
	Vaibhav Mishra (Analog Devices India, India & Analog Device India, India); **Vivek Kumar Singh** and Ram Bilas Pachori (Indian Institute of Technology Indore, India)
1571085856	**Fabrication and Characterization Glass/AZO/Ag Ultraviolet Photodetector**
	Rishibrind Kumar Upadhyay (Jaypee Institute of Information Technology, Noida, India); **Shivani Sharma** (Jaypee Institute of Information Technology Noida, India)
1571086414	**Optimizing Brain Tumor Classification Using YOLOv8: A Comparative Study with CNN Architectures on MRI Scans**
	Srishti Verma (Amity University, India); Alakto Choudhury (Amity Institute of Biotechnology, India); Priyanka Narad (Indian Council of Medical Research, India); Abhishek Sengupta (Amity Institute of Biotechnology, India)

Session-3.2.3: Technology for Humanity – I (VENUE G12) (Offline)

Session Chair: Prof. Virendra P. Vishwakarma	

Session Rapporteur:Ms. Bhuvaneshwari S., Session In-charge: Dr. Harish Bishwakarma	

1571097917	**Neurological responses to meditation with EEG analysis using novel empirical Fourier-Bessel decomposition approach**
	Ashok Mahato (Indian Institute of Technology Indore, India); Shailesh Bhalerao (Maharastra, India); Ram Bilas Pachori (Indian Institute of Technology Indore, India); Vikram M. Gadre (IIT Bombay, India); Dipika Das Mahapatra (Research Scientist, India)
1571093681	**Leveraging Machine Learning for Biomarker Discovery and Risk Prediction**

	in Autoimmune Disease Genetics
	Jatin Mehta (University Institute of Engineering, India & Chandigarh University, India)
1571094984	**Wearable Triple Band Dual Polarization Antenna for Body Area Networks**
	KamisettiSasank (Vignan's IIT, Visakhapatnam, India); **Deepak Ram** (IIT (BHU), Varanasi, India); Kalyani Kandiraju (Sai Vidya IIT, Bangalore, India); Somak Bhattacharyya (IIT (BHU) , Varanasi, India)
1571100946	**Simulation-Based Sensitivity Analysis of GaAs/GaSb Heterojunction Polarity-Controlled TFET for Biosensing Applications**
	Mukesh Kumar Bind (Jaypee Institute of Information Technology, Noida, India); Priyanka Kwatra (Jaypee Institute of Information Technology, India); Vinay Anand Tikkiwal (JIIT, Noida & ECE, India); Sajaivir Singh (JIIT, Noida, India); Kaushal Kumar Nigam (NIT Raipur, India)
Session-3.2.4: Technology for Humanity-II(Online Session – LT4)
Session Chair: Dr. Satyanand Singh
Session Rapporteur: Dr. Manika Jha, Session In-charge: Dr. Madhu Jain
1571100556	**A Novel Neuro Fuzzy Deep Random Vector Functional Link Network for Early Cancer Diagnosis using Thermography**
	Swapna Davies (Rajagiri School of Engineering and Technology, India & APJ Abdul Kalam Technological University, India); Jaison Jacob (Rajagiri School of Engineering Technology, India & APJ Abdul Kalam Technological University, India)
1571094292	**Population Nutrition-Driven Crop Recommendations: Addressing Regional Micronutrient Deficiencies for Improved Public Health**
	P Seshanth Vishal, PrabinaSubedi, Sri Ramya Divakarla and Avula Harini (Amrita Vishwa Vidyapeetham, India); Lalitha Sreeram (Amrita Vishwa Vidyapeetham & Amrita School of Engineering, India)
1571100547	**Exploratory Data Analysis and Machine Learning Classification of Chronic Kidney Disease: Insights into Causes and Complications**
	Abhay Divakar Patil (KLE M.S. Sheshagiri College of Engineering and Technology Belagavi, India)
1571100557	**Pneumonia and tuberculosis classification from chest x-ray images through composite features and ensemble learning'**
	Dharmesh Ishwerlal Rathod and Reshu Agarwal (Amity University Noida, India); Sujatha K.S (JSS Academy of Technical Education, India)
1571089246	**Performance Comparison of K-SVD, Discriminative K-SVD, and Approximate K-SVD Dictionary Learning Algorithms for Public Road Type Recognition**
	Ashwin Rai (Deloitte, India); **Pubali De** (Institute of Engineering and Management, UEM Kolkata, India & Jadavpur University, India); Saibal Ghosh (Jadavpur University, India); Pritam Paral (IIEST, Shibpur, India); Amitava Chatterjee (Jadavpur University, India)
1571094603	**Advanced Sleep Stage Classification Through a Convolutional Recurrent Attention-Based Neural Network Model**

		Sebastian Urbina Fredes and **Ali DehghanFiroozabadi** (Universidad TecnológicaMetropolitana, Chile); Pablo Adasme (University of Santiago de Chile, Chile); David Zabala-Blanco (Universidad Catolica del Maule, Chile); Pablo Palacios Játiva (Universidad Diego Portales, Chile); Cesar Azurdia (Universidad de Chile, Chile)
	Session-3.2.5: Communication – VI (Online Session – LT5)
	Session Chair: Prof. D. S. Saini
	Session Rapporteur: Dr. Shivani, Session In-charge: Dr. Ritu Raj
	1571098933	**Unveiling the Shadows: DarkNET Traffic Detection Using Deep Learning Techniques**
		Naors Y Anad Alsaleem and Samah Fakhri Aziz (University of Al-hamdaniya, Iraq)
	1571098261	**A Scalable Framework for IoT Applications in Cloud Environments**
		Tushar Gupta and Shirin Bhambhani (Senior IEEE Member, USA)
	1571087442	**Deep learning Based Enhanced Approximate Message Passing for mmWave Massive MIMO Channel Estimation**
		Anusaya Swain (NIT ROURKELA, India); Athira K (National Institute of Technology Rourkela, India); Shrishail M Hiremath (NIT Rourkela & Communication and Networks, India); Sarat Kumar Patra (National Institute of Technology, Rourkela, India)
	1571098122	**Decentralized Security Architecture for Health IoT Leveraging TGA and ANN**
		Rahul JaywantraoShimpi and Vibha Tiwari (Medicaps University, India)
	1571073564	**Advanced Strategies for Mitigating Anomalies in Vehicular Ad-Hoc Networks (VANETs)**
		Thuvva Anjali (Amity University, India); Rajeev Goyal (Amity School of Engineering and Technology, India); Balaji G N (Vellore University, India)
	1571097868	**Applying the Multifractal Model of Asset Returns (MMAR) to Financial Markets: Insights and Limitations**
		Srinivas R. Gottimukkala (Deere & Company, USA)
12:30 P.M - 01:15P.M.	**Keynote 7: Prof. Ramesh Bansal,** Professor, Department of Electrical Engineering, University of Sharjah, University City, Sharjah, P.O. Box 27272, UAE (Offline) VENUE LT4
01:15P.M.- 01:45P.M	**Valedictory Session (Offline) VENUE: LT4**
01:45P.M onwards	**LUNCH**