

3rd International Conference on the Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2024)

Oral Presentation Schedule

Indian Standard Time [GMT + 5.5 Hours]

Session ID	PCEMS 2024 – S1	
Date and Time	November 11, 2024 (Monday), 12:15 PM – 1:30 PM	
Venue	Hall 1 (CRC 6-1)	
Session Chairs	R. Venkatesh Babu, Poonam Sharma	
Paper ID	Paper Title	Authors Details
149	Predicting Diamond Prices Using Regression in Machine Learning	Amarbirsingh Randhawa (Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIET), Nanded); ANKUSH DADARAO SAWARKAR (SGGSIET, Nanded)*; Sandeep Mundhe (SGGSIET, Nanded); A. Waheed Deshmukh (SGGSIET, Nanded); Pravin Sonarkar (SGGSIET, Nanded)
186	Classification of Marine Organisms Using Deep Learning Method	Truptee Devisree (NIT Goa); K Mounika (NIT Goa); Naveen Kumar (NIT Goa); Trilochan Panigrahi (NIT Goa)*; R Dineshram (NIO Goa)
279	Ensemble of Machine Learning and Deep Learning for Intraday Stock Trading Decision in Quantitative Finance	Pratik K Agrawal (Department of Computer Science & Engineering, Symbiosis Institute of Technology, Nagpur Campus, Symbiosis International (Deemed University), Pune, India)*; Santosh Kumar Sahu (Visvesvaraya National Institute of Technology Nagpur); Santosh Kumar Sahu (Visvesvaraya National Institute of Technology Nagpur); A S Mokhade (Visvesvaraya National Institute of Technology Nagpur)
339	Finger Knuckle and Fingerprint based person authentication: Siamese Networks based approach	B H Shekar (Mangalore University); Swathi K (Mangalore University)*
354	Multi-Feature Reinforcement Learning for Financial Market Decision Making	Jitendra Kumar Awasthi (Visvesvaraya National Institute of Technology Nagpur)*

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Session ID	PCEMS 2024 – S2	
Date and Time	November 11, 2024 (Monday), 12:15 PM – 1:30 PM	
Venue	Hall 2 (CRC 6-2)	
Session Chairs	Umesh Deshpande, Saugata Sinha	
Paper ID	Paper Title	Authors Details
158	Localizing and Classifying Kannada Texts Using a YOLO-Based Approach	Malini M (REVA)*; Hemanth K S (Christ University)
164	Improved DeHazing using novel CycleGAN algorithm	Sudharsan Parthasarathy (Nit Trichy)*; Rithika Ramesh (NIT Tiruchirappalli); Sanjai A P (NIT Tiruchirappalli); Swarnima Khadanga (NIT Tiruchirappalli)
227	Automatic Sporadic colonic hamartoma characterisation using Narrow Band Imaging Colonoscopy	Diksha Chatterjee (Visvesvaraya National Institute of Technology, Nagpur)*; Aditi Jain (VNIT); Saugata Sinha (VNIT Nagpur)
231	Image Processing for Malaria Detection and Leukocytes Classification in Microscopic Blood Smears	Sharanbabu B (Panimalar Engineering College)*; Rakesh M R (Panimalar Engineering College); Ramana K S (Panimalar Engineering College); Ranjith Kumar A (Panimalar Engineering College); Subedha V Varatharaj (Panimalar Engineering College); DANISH QUAMAR (MIZORAM UNIVERSITY); AMBETH KUMAR V D (MIZORAM UNIVERSITY)
301	Unraveling the Dynamics of Classical Chaotic Systems and Strange Attractors: A Matlab-Based Exploration	Archana R (Federal Institute of Science and Technology)*; Treasa Sebastian (Federal Institute of Science and Technology); SREENIVAS P (MODEL ENGINEERING COLLEGE)

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Session ID	PCEMS 2024 – S3	
Date and Time	November 11, 2024 (Monday), 12:15 PM – 1:30 PM	
Venue	Hall 3 (CRC 6-3)	
Session Chairs	Avinash G. Keskar, Sahadev Roy	
Paper ID	Paper Title	Authors Details
93	AutoBill: An Integrated AI-Powered Autonomous Checkout System	Chetan Sunil Patil (Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology (SPIT))*; Atharva Tadge (Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology (SPIT)); Nikita Joby (Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology (SPIT)); Najib Ghatte (Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology (SPIT))
100	Multiple Controls Wheelchair for Elderly People & Lower Limb Disabilities for Hilly Region	Sudipta chatterjee (ODGI); Sahadev Roy (National Institute of Technology Arunachal Pradesh)*
118	VOICE CONTROLLED WHEELCHAIR FOR BLIND WITH HEARING ASSISTANT	Jayton Rodrigues (Padre Conceicao College of Engineering)*
120	An IoT Based Soil Analysis for Smart Agriculture Using Machine Learning	Shabnam Chandrakar (National Institutes of Technology, Raipur)*
295	Geophysical Monitoring System for Landslide-Prone Areas Using OhmPi and ESP32 Integration	Aswathy Madhu (Amrita Viswa Vidyapeetham)*; Aryadevi Remanidevi Devidas (Amrita Vishwa Vidyapeetham University); Balaji Hariharan (Amrita Vishwa Vidyapeetham)

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Session ID	PCEMS 2024 – S4	
Date and Time	November 11, 2024 (Monday), 12:15 PM – 1:30 PM	
Venue	Hall 4 (CRC 6-4)	
Session Chairs	Abhay S Gandhi, Trilochan Panigrahi	
Paper ID	Paper Title	Authors Details
289	Application of OTFS Modulation in Autonomous Vehicle Driving Systems for 6G Wireless Communication	Balakrishna Gugulothu (VNIT); Amit Agarwal (VNIT)*; Sourabh Tiwari (Chandigarh University)
307	Power-Efficient URLLC with RIS-aided Rate Splitting Multiple Access	Mayur Katwe (National Institute of Technology Raipur)*
353	Metaheuristic Optimization for 3D UAV Placement	PRAVEEN PAWAR (VNIT Nagpur)*; M Nithish Kumar (VNIT Nagpur); Dikshant Mendhe (VNIT Nagpur); Shaik Rafee (VNIT Nagpur)
86	Optimizing Ultra-Wideband Antenna Design Using Deep Learning Models: A Comparative Study of DBN-ELM and PSO-DBN Approaches	Nidhi Bhaskar (International Institute of Information Technology Naya Raipur)*; Vedica Mishra (International Institute of Information Technology Naya Raipur); Shrivishal Tripathi (IIIT Naya Raipur)
252	Performance and Design Analysis of Visible Light Communication Systems amidst Optical Background Noise Utilizing Filtering Techniques	JOBIN DANN (Sardar Vallabhbhai National Institute of Technology)*; Piyush N Patel (SVNIT, Surat)

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Session ID	PCEMS 2024 – S5	
Date and Time	November 11, 2024 (Monday), 12:15 PM – 1:30 PM	
Venue	Hall 5 (CRC 5-1)	
Session Chairs	Petia Radeva, Ashish Tiwari	
Paper ID	Paper Title	Authors Details
63	Web-based Application for detection of Gingival Phenotype in Preventive Dentistry using Artificial Intelligence	Dr. Vibha Rajesh Bora (G H Rasoni College of Engineering,Nagpur)*; Dr.Surekha Rathod (Ranjeet Deshmukh Dental College & Research Centre,Nagpur); Mr.Piyush Shahu (G H Rasoni College of Engineering,Nagpur); Dr.Supriya Kaule (Ranjeet Deshmukh Dental College & Research Centre,Nagpur); Mr.Prateek Dutta (G H Rasoni College of Engineering,Nagpur)
103	Web-based Intelligent Chatbot for Depression Therapy	Anupam Agrawal (IIIT Allahabad, Prayagraj)*; Himanshu Mishra (IIIT Allahabad)
125	Hospital Patient Monitoring and Fall Prediction System Using Medical Intranet of Things (MIoT)	Swarna M M (Dr.MGR Educational and Research Institute)*; Shamugakumar Murugesan (MATIC); KRISHNAVENI S. (Dr M.G.R Educational Research Institute)
139	AI Enhanced Drug Recommendation System for Women	Amita Gowardhan Bante (G H Rasoni College of Engineering, Nagpur)*; Laxmi Ray (G H Rasoni College of Engineering, Nagpur); PRIYA R. MAIDAMWAR (G H Rasoni College of Engineering, Nagpur); Snehlata Dongre (G H Rasoni College of Engineering, Nagpur)
193	Enhanced Human Decision-Making Model for Iowa Gambling Task	Dinesh (NIT Raipur)*; Mithilesh Atulkar (NIT Raipur); Mitul Ahirwal (Maulana Azad National Institute of Technology, bhopal, India)

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Session ID	PCEMS 2024 – S6	
Date and Time	November 11, 2024 (Monday), 4:30 PM – 5:45 PM	
Venue	Hall 1 (CRC 6-1)	
Session Chairs	Parag Deshpande, Gauri Deshpande	
Paper ID	Paper Title	Authors Details
94	A Comprehensive Analysis and Recommendations for Fusion of Feature Vectors	PAVAN WAMAN GEDAM (VNIT NAGPUR)*; ASHISH TIWARI (VNIT NAGPUR); MEERA DHABU (VNIT NAGPUR); GUMMA SRI SOUGANDHIKA (IIITDM KURNOOL)
116	Adaptive Tactile Therapy system for children with Autism Spectrum Disorder	Dundi Umamaheswara Reddy (SRM INSTITUTE OF SCIENCE AND TECHNOLOGY)*; V Phani Kumar Kanaparathi (SRM Institute of Science and Technology); Bandaru Ramakrishna (SRM Institute of Science and Technology); Ganapathy Sankar U (SRM College of Occupational Therapy, SRM Institute of Science and Technology)
128	Deployment of MobileNet SSD Model for Real-time Autonomous Waste Detection and Collection	Nachiket Shailesh Laul (PVG's COET & GKPIOM)*; Aniruddh Sutar (PVGCOET); Pranav Oak (PVG's College of Engineering and Technology,Pune); Vaishali Gongane (PVG's College of Engineering and Technology)
145	Detection algorithms for fast moving targets in FMCW based Radar	Rashmika Thota (Defence Institute of Advanced Technology, Pune, India)*; Arthi R (Indian Institute of Technology, Madras); Christopher S (Indian Institute of Technology, Madras); A BAZIL RAJ ("Defence Institute of Advanced Technology, Pune")
146	Improvement of Iconicity in Signed and Spoken Vocabulary through Convolutional Neural Network	Pradip Selokar (Shri Ramdeobaba College of Engineering and Management Nagpur)*; Sadnyani Gomkar (Shri Ramdeobaba College of Engineering and Management Nagpur)

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Session ID	PCEMS 2024 – S7	
Date and Time	November 11, 2024 (Monday), 4:30 PM – 5:45 PM	
Venue	Hall 2 (CRC 6-2)	
Session Chairs	Omprakash Kakde, Mayur Katwe	
Paper ID	Paper Title	Authors Details
110	Design of RAM cell using Quantum Dot Cellular Automata	Mohammad Ashraf Pamidi (Indian Institute of Information Technology Sri City, Chittoor)*; Ramesh Kumar (IIIT Sri City)
162	PERFORMANCE ANALYSIS OF 16 BIT RISC PROCESSOR USING VEDIC MULTIPLIER	Mithilesh Safish Kavade (Vidyalankar Institute of Technology)*; Akhil U Masurkar (Vidyalankar Institute of Technology); Prasad Deshmukh (Vidyalankar Institute of Technology); Sankalp Mhatre (Vidyalankar Institute of Technology); Mayank Patil (Vidyalankar Institute of Technology)
215	PID and LQR Based Control for Quadrotor Landing on a Moving Platform	Anamika Singh (VNIT, Nagpur)*; Poojan Chetan Gandhi (Visvesvaraya National Institute of Technology); Prajyot Jadhav (Visvesvaraya National Institute of Technology)
220	Convolutional Recurrent Neural Network Architecture for Firewall Anomaly Detection	Asfiya Shireen Mukhtar Shaikh (Shivaji Science Collge,Nagpur)*; Ravikant Jugele (Shivaji Science Collge,Nagpur)
300	A 2.4GHz PLL Design Using a Source Switched Charge Pump and An Active Loop Filter	Sayali P Joshi (COEP Technological University)*

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Session ID	PCEMS 2024 – S8	
Date and Time	November 11, 2024 (Monday), 4:30 PM – 5:45 PM	
Venue	Hall 3 (CRC 6-3)	
Session Chairs	Abhay S. Gandhi, Trilochan Panigrahi	
Paper ID	Paper Title	Authors Details
132	Multiband staircase shaped MIMO antenna for defence applications	Sneha Moghe (GSITS indore)*; Leeladhar D. Malviya (Shri.G.S Institute of Technology & Science,Indore)
185	Design and Optimization of a 6 GHz Circular Patch Antenna Using Machine Learning Algorithms	Ankita H Harkare (Shri Ramdeobaba College of Engineering and Management)*; Bhumika Amit Neole (Shri Ramdeobaba College of Engineering and Management); Kalyani Bobde (Shri Ramdeobaba College of Engineering and Management, Nagpur); Ishika Patne (Shri Ramdeobaba College of Engineering and Management, Nagpur); Anshika Jain (Shri Ramdeobaba College of Engineering and Management, Nagpur); Vaijayanti H Panse (Indian Institute of Information Technology, Nagpur)
221	Analyzing Centrality Measures in Network Graphs: Algorithms, Applications, and Heuristics	Pranav Sharma (Visvesvaraya National Institute of Technology)*; Prathit Aswar (Visvesvaraya National Institute of Technology, Nagpur)
253	UAV Assisted Secrecy Analysis for Future Wireless Communication	Girish Koche (VNIT Nagpur); Amit Agarwal (VNIT)*
276	Activity Detection Based Performance Analysis in Cell Free Massive MIMO System	Mitesh Sureshbhai Solanki (Marwaadi University)*; Vinutha Bhat (SVNIT Surat); Shilpi Gupta (SVNIT)

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Session ID	PCEMS 2024 – S9	
Date and Time	November 11, 2024 (Monday), 4:30 PM – 5:45 PM	
Venue	Hall 4 (CRC 6-4)	
Session Chairs	Ujjwal Maulik, Ashish Tiwari	
Paper ID	Paper Title	Authors Details
194	Iterative Sparse Inverse Covariance Estimation for Enhanced Skin Cancer Classification using VGG-19 with Batch Normalization	Shasvat Raj (Sikkim Manipal Institute of Technology); Ankit Kumar Titoriya (NIT Patna)*; Maheshwari Prasad Singh (National Institute of Technology Patna)
233	Deep Learning-Based Classification of Hyperplastic and Adenoma Polyps	Revant Annam (Visvesvaraya National Institute of Technology) * Saugata Sinha (Visvesvaraya National Institute of Technology)
333	Comparative analysis of performance of different Deep architectures for histopathology image segmentation to detect liver disease.	Saurabh Verma (Visvesvaraya National Institute of Technology) * Saugata Sinha (Visvesvaraya National Institute of Technology)
346	Automated Diagnosis of Coronary Artery Disease and Myocardial Infarction Using Optimal Anti-symmetric Wavelet-Based Features	Hardik Telangore (Institute of Infrastructure Technology, Research and Management (IITRAM), Ahmedabad.)*; Manish Sharma (Institute of Infrastructure Technology, Research and Management (IITRAM), Ahmedabad.); Vikram M Gadre (IIT Bombay)
347	Integrating Handcrafted Textural and Deep Learning Features for Improved Multi-Class Lung Disease Classification in Computed Tomography Imaging	Shazia Mannan (Mangalore University)*; B H Shekar (Mangalore University)

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Session ID	PCEMS 2024 – S10	
Date and Time	November 11, 2024 (Monday), 4:30 PM – 5:45 PM	
Venue	Hall 5 (CRC 5-1)	
Session Chairs	Avinash G. Keskar, Meera Dhabu	
Paper ID	Paper Title	Authors Details
126	Predicting Mortality Rates: A Regression Approach	Devki Deshpande (Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSJET), Nanded); ANKUSH DADARAO SAWARKAR (SGGSJET, Nanded)*; Rajesh Mapari (Anuradha Engineering College, Chikhli, India); Pakle Ganesh (SGGSJET, Nanded); Chandrakant P Navdeti (Indian Institute of Engineering Science and Technology, Shibpur, Howrah); Lal Singh (CSIR- National Environmental and Engineering Research Institute (CSIR-NEERI), Nagpur)
129	Clustering analysis of high-tech startups using machine learning	Devki Deshpande (Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSJET), Nanded); ANKUSH DADARAO SAWARKAR (SGGSJET, Nanded)*; Megha V. Jonnalagedda (SGGSJET); Shrinivas Khedkar (VJTI, Mumbai); Lal Singh (CSIR- National Environmental and Engineering Research Institute (CSIR-NEERI), Nagpur, 440 020, India)
206	Using Generative AI for Rapid Digital Prototyping of Industrial Design Sketches and 3D Renders	Ashish Jha (Infosys Ltd.); Vijayarsi Kalyan (Infosys Ltd.); Ninad Kulkarni (Infosys Ltd.)*; Ujwal Bhate (Infosys Limited)
248	Deep Learning-Based Rainfall-Runoff Modeling for Flood Forecasting: Case study in Krishna River	Sagar Lachure (VNIT Nagpur, VJTI Mumbai)*; Ashish Tiwari (VNIT Nagpur)
285	ILRSEM: Design of an Incremental Learning Model for enhancing Resource Scheduling Efficiency of Mobile Edge Deployments	Harshala Amit Shingne (Shri ramdeobaba college of engineering and management); Sruthi Nair (RCOEM); Ankit Arun Mahule (Solution Development, L&T Construction, PT&D IC, Pune)*; ANKUSH DADARAO SAWARKAR (SGGSJET, Nanded)

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Session ID	PCEMS 2024 – S11	
Date and Time	November 12, 2024 (Tuesday), 11:00 AM – 12:15 PM	
Venue	Hall 1 (CRC 6-1)	
Session Chairs	Ashwin Kothari, Mayur Katwe	
Paper ID	Paper Title	Authors Details
101	Design of Dual Element Miniature Microstrip Patch Antenna Array for Long Range Application	Aditya Bhagat (G H Raisoni College of Engineering, Nagpur)*; Samiksha Thakre (G H Raisoni College of Engineering, Nagpur); YOGESH SHRIRAM SOLUNKE (VNIT Nagpur); Ashwin Kothari (VNIT-Nagpur); TRUSHNA GAJANANRAO DEOTALE (G H RAISONI COLLEGE OF ENGINEERING,NAGPUR); Aditya Nirwan (G H Raisoni College of Engineering, Nagpur); Dhruva Choudhari (G H Raisoni College of Engineering, Nagpur)
133	Design of a Fifth-Order Wideband Bandstop Filter Using Stepped Impedance Resonators	SELVAKUMAR ARUMUGAM (SRMIST Kattankulathur)*; V Phani Kumar Kanaparathi (SRM Institute of Science and Technology); Vamsi Krishna Velidi (U R Rao Satellite Center)
189	Design of Triple Band Ultrathin Polarization Con-trolled Metamaterial Microwave Absorber with Multiple Resonating Structures	Gaurav Chaitanya (Indian Institute of Information Technology, Nagpur) *; Paritosh D Peshwe (IIIT, Nagpur); Ashwin Kothari (VNIT-Nagpur)
201	Permittivity evaluation based algorithm for detecting optimal thickness range of composite materials at microwave frequencies	Shankar Aenagandula (Visvesvaraya National Institute of Technology Nagpur)*; Neeraj Rao (VNIT Nagpur)
336	A New MIMO Antenna with High Gain for 5G mm-Wave Application	Swati Verma (MITS GWALIOR)*

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Session ID	PCEMS 2024 – S12	
Date and Time	November 12, 2024 (Tuesday), 11:00 AM – 12:15 PM	
Venue	Hall 2 (CRC 6-2)	
Session Chairs	Vikram M Gadre, Meera Dhabu	
Paper ID	Paper Title	Authors Details
121	Spam Detection: A Binary Classification Approach in Machine Learning	Kunal Bandale (Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSJET), Nanded); Shital Gaikwad (Mahatma Gandhi Mission's College of Engineering and Technology, Nanded, Maharashtra); ANKUSH DADARAO SAWARKAR (SGGSJET, Nanded)*; Pakle Ganesh (SGGSJET, Nanded); Ankit Arun Mahule (Solution Development, L&T Construction, PT&D IC, Pune)
202	Multi-modal based Sentiment Analysis Web Application using Flask and Deep Learning Models	Gulshan Sunil Hariyani (Dr. Vishwanath Karad MIT World Peace University)*; Aniket Singh (Dr. Vishwanath Karad MIT World Peace University); Prathamesh Patil (Dr. Vishwanath Karad MIT World Peace University); Virag Kothari (Dr. Vishwanath Karad MIT World Peace University); Preeti Kale (Dr. Vishwanath Karad MIT World Peace University)
205	Enhancing Accuracy & Efficiency Analysis for Emotion detection & Prediction using Deep Learning model	RAVI RAY CHAUDHARI (MIT Art, Design and Technology University, Loni Kalbhor Pune); HIMANSHI AGRAWAL (MIT Art, Design and Technology University, Loni Kalbhor Pune)*
222	Enhancing Ear Detection for Biometric Systems Using YOLOv9	Niraj K Nagrale (G H Raisoni College of engineering, Nagpur, Maharashtra)*; Virendra Kumar Swarnkar (BHARTI VISHWAVIDYALAYA)
230	Towards Safer Homes: AI-Driven Predictions for Domestic Violence Against Women	Saleha S Ismail Saudagar (MIT Art Design and Technology University Pune)*; Anuja Rajendra Jadhav (MIT ADT University); Mayura Shelke (MIT Art Design and Technology University Pune)

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Session ID	PCEMS 2024 – S13	
Date and Time	November 12, 2024 (Tuesday), 11:00 AM – 12:15 PM	
Venue	Hall 3 (CRC 6-3)	
Session Chairs	Vishal Satpute, Mahendra P. Singh	
Paper ID	Paper Title	Authors Details
19	Tiny-YOLOv3 and SSD: Performance Evaluation for Human Detection in Crowded Images Under Various Conditions	Lokesh M Heda (Shri Ramdeobaba College of Engineering and Management, Nagpur)*; PARUL SAHARE (INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR); Lokesh M Heda (Indian Institute of Information Technology, Nagpur)
212	Devnagari Sign Language Recognition with LSTM-based RNN	Deepali Rajaram Naglot (MGMU JNEC)*; Deepa Deshpande (MGMU JNEC)
258	REAL TIME EARLY CURVE ACCIDENT WARNING SYSTEM	Jency Thomas (Muthoot Institute of Technology and Science); Adithya M A (MITS, VARIKOLI); ANIT PETER (MITS, VARIKOLI); ANITA P MARKOSE (MITS, VARIKOLI); TANIA K H (MITS, VARIKOLI)*
282	Adaptive Graph Matching for Unsupervised Person Re-Identification in Video Surveillance	Evany Anne M (NITT)*; M. Brindha (NIT Trichy); Sivakumaran N (National Institute of Technology)
320	An Approach for Extraction of Relevant Contextual Information from Exercise Logs using Large Language Models	Anand Arumilli (Oracle India Pvt Ltd)*; Amit Oberoi (IIT Delhi); Ayesha Rifa (IIT Delhi)

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Session ID	PCEMS 2024 – S14	
Date and Time	November 12, 2024 (Tuesday), 11:00 AM – 12:15 PM	
Venue	Hall 4 (CRC 6-4)	
Session Chairs	Kishor Bhurchandi, Shyam Lal	
Paper ID	Paper Title	Authors Details
174	Classification of Heart Sound Signals using Spectral Features for Diagnosis of Heart Abnormality	MANISH N TIBDEWAL (SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING)*; Rupesh Subhash Mahamune (NIT Silchar); Pooja Masne (Shri Sant Gajanan Maharaj College of Engineering Shegoan); Janhavi Mudholkar (SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGG.); Kshitija Deshmukh (SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGG.)
249	Physiological Signal Mapping: PPG-TO-ECG Conversion using BiLSTM	Madhu G (VNIT); Pranav Unkal (VNIY); Amit Agarwal (VNIT)*; Sandeep Kumar Singh (NIT Hamirpur)
340	Hypertension detection with Machine Learning classifiers using PPG signals	Hardik Telangore (Institute of Infrastructure Technology, Research and Management (IITRAM), Ahmedabad.)*; Manish Sharma (Institute of Infrastructure Technology, Research and Management (IITRAM), Ahmedabad.)
348	Xception-Based Face Anti-Spoofing Approach for Secure Biometric Authentication	K Vannurswamy (Mangalore University)*; B H Shekar (Mangalore University)
351	Gesture prediction using Surface-EMG signals	SIBANI PANIGRAHI (National Institute of Technology Karnataka)*; Sohham Seal (National Institute of Technology Karnataka); Dr. Shyam Lal (NIT Karnataka); Dr. Ganesh Naik (Flinders University)

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Session ID	PCEMS 2024 – S15	
Date and Time	November 12, 2024 (Tuesday), 11:00 AM – 12:15 PM	
Venue	Hall 5 (CRC 5-1)	
Session Chairs	Abhay S Gandhi, Joydeep Sengupta	
Paper ID	Paper Title	Authors Details
182	All-optical XOR gate and Half Adder implementation using SPM and SOA	Aakriti Garima (SVNIT-SURAT)*; Vasundhara . (SVNIT); Abhilash Mandloi (SVNIT,Surat)
217	Overhead Reduction in CSI Estimation for RIS-Enabled MISO Wireless Communications	ANISH KUMAR GUPTA (Visvesvaraya National Institute of Technology, Nagpur)*; Dr. Punitkumar Bhavsar (Visvesvaraya National Institute of Technology Nagpur); Vishwas Raval (Central University of Gujarat)
251	Design and Performance Analysis of MIMO VLC for Vehicular Communication Systems	JOBIN DANN (Sardar Vallabhbhai National Institute of Technology)*; Piyush N Patel (SVNIT, Surat)
316	Data transmission over x-pol and y-pol 1550 nm carrier for short reach optical fiber communications	DEEPAK S (Cochin University of Science and Technology)*; Naveenkumar M (Indian Institute of Science); Neha Gupta (Indian Institute of Science); Shivaleela E S (IISc)
352	Dual-Band Antenna for Seamless 900 MHz and 2.4 GHz Connectivity	Divyam Verma (SSTC), Shrivishal Tripathi (IIIT Naya Raipur), Venkata Siva Prasad D (DSPM International Institute of Information Technology)