SYMBIOSIS INSTITUTE OF COMPUTER STUDIES AND RESEARCH

InCoWoCo
Flagship Conference of WIE, Pune Section

IEEE Pune Section

IEEE Women in Engineering
Wie
IEEE PUNE SECTION

2024 IEEE International Conference on Women in Computing (INCOWOCO)
(13-15, November 2024)

Inaugural Programme

Day: Wednesday, 13th November 2024

Venue: SIMS, Auditorium, Khadki, Pune

Details	Time (IST)
Opening of Inaugural Ceremony, Invocation and Lighting of Lamp by the Dignitaries	5:00 PM – 5:05 PM
Conference preamble by Dr. Rajashree Jain, General Chair, IEEE InCoWoCo 2024	5:05 PM – 5:10 PM
Welcome address by Dr. Jatinderkumar R.Saini, Professor & Director, SICSR & Hon. Chair, IEEE InCoWoCo 2024	5:10 PM – 5:15 PM
AV message by Dr. Surekha Deshmukh, Chairperson, IEEE Pune Section & Hon. Chair, IEEE InCoWoCo 2024 AV message by Cathleen Kramer, President IEEE 2024	5:15 PM – 5:20 PM
Address by Dr. Amar Buchade, Vice- Chairperson, IEEE Pune Section & Gen. Co-Chair, IEEE InCoWoCo 2024	5:20 PM – 5:25 PM
Address by Guest of Honour -Dr. Tangaprakash Sengodan, Chief Executive, Diligentec Solutions	5:25 PM – 5:30 PM
Presidential address by Dr. Ramakrishnan Raman, Vice Chancellor, Symbiosis International (Deemed University), Pune & Patron, IEEE InCoWoCo 2024	5:30 PM – 5:37 PM
Address by Dr. Prerna Gour, Chair, Elect, IEEE India Council & Director, Netaji Subhash University of Technology, New Delhi	5:37 PM – 5:40 PM
Felicitations*	5:40 PM – 5:50 PM
Vote of Thanks by Dr. Priya Gokhale, General Chair, IEEE InCoWoCo 2024	5:50 PM – 5:55 PM
Cultural Evening –"Vande Maharashtra" Students and Lavani Group	6:00 PM – 6:45 PM
Conference Dinner	7:00 PM onwards

Day 0, Wednesday, 13 November, 2024			
17:00 to 18:00	Inauguration		
18:00 to 18:45	Cultural Night		
18:45 to 19:30	Conference Dinner		
Day 1 , Thursday, 14 November 2024			
Time	Details	Speaker	Venue: SICSR and Online
09:00 to 09:30	Keynote 1	Dr.Jyothika Athavale, President, IEEE Computer Society (Online mode)	
09:30 to 10:00	Keynote 2	Mr.Deepak Mathur, Vice President, IEEE MGA (Online mode)	
10:00 to 11:30	Session 1	Session 2	Session 3	Session 4
	6	6	6	6
11:30 to 11:45	Break		
11:45 to 13:15	Session 5	Session 6	Session 7	Session 8
	5	6	6	6
13: 15 to 14: 00	Lunch Break		
14: 00 to 15: 30	Session 9	Session 10	Session 11	Session 12
	5	6	6	6
15:30 – 15:45	Break		
15: 45 to 17: 15	Session 13	Session 14	Session 15	Session 16
	6	5	5	5

Day 2 , Friday 15 November 2024			
9:00 to 9:30	Keynote 1	TBD		
9:30 to 10:00	Keynote 2	TBD		
	Session 17	Session 18	Session 19	Session 20
10:00 to 11:30	6	6	6	6
11:30 to 11:45	Break		
11:45 to 13:15	Session 21	Session 22	Session 23	Session 24
	6	6	5	6
13:15 to 14:00	Lunch Break		
14:00 to 3:30	Valedictory		
3:45 to 4:15	Networking, Photographs, High Tea		

Paper Presentations: 10:00 (IST) to 11:30 (IST)

Parallel sessions: 1, 2, 3 and 4

Time (IST)	Details
Session – 1 (10:00 to 11:30)	
10:00 - 10:15	WCS 1012: Shoreline and Land Cover Change Monitoring with Google Earth Engine in Uppada *Vempati Lakshmi Prasuna,Tanimiki Sujith Kumar, Puvvada Thanu Sree*
10:15 - 10:30	WCS 1029: Recession Forecasting: Domain-Specific Feature Selection Methodology *Tejaswini Katale, Jayashri Hase, Aakash Chotrani, Sakshi Ozarde*
10:30 - 10:45	WCS 1031: Optimizing Synthesis Parameters of BiFeO3 Nanoparticles with Bayesian Neural Networks *Raj Kumar Gupta, S. Vidhya, Mahendra Pratap Singh, Manasi Vyankatesh Ghamande, Sudhir Kumar, Pappu Kumar*
10:45 - 11:00	WCS 1032: Optimizing Crime Prevention Strategies Using Machine Learning Models *V.Ajitha, S.Irin Sherly, E.Venitha, M. Senthilkumar, N.Bhavyadevi Vishalakshi , R.Prathipa*
11:00 - 11:15	WCS 1058: Ensemble Based Precautionary Detection of Parkinsons Disease from Voice Signal *Yalamanchili Bhanu Sree, Vodnala Sharan Adhvy, Mohammed Shaji Affan, Kanvapuri Sai Praneetha, Katikireddy Sai Sahithi*
11:15 - 11:30	WCS 1062: Classification and Segmentation of Brain MR images using Deep neural networks and Fuzzy C-mean Clustering *Pallavi Asthana, Deepika kamboj*
Time (IST)	Details
Session – 2 (10:00 to 11:30)	
10:00 - 10:15	WCS 1063: Particle Swarm Optimizer Guided Active Contour Model For Lung Image Segmentation *Ashwini Vishwanathrao Biradar, Priti Vijaykumar Pancholi, Jyoti Dinkar Bhosale, Bharat Madhavrao Pawar, Ujwala V Suryawanshi*
10:15 - 10:30	WCS 1064: Enhancing FoG Detection with Wavelet Transforms using Random Forest and Neural Networks *Ayeesha Banu W, Shilpa N*
10:30 - 10:45	WCS 1098: The Transformative Role of Artificial Intelligence in Pharmaceutical Innovation and Biomedical Studies *Nikitha Arun, K.Ravichandran*
10:45 - 11:00	WCS 2004: Leveraging OpenStack-based Private Cloud for Intrusion Detection Using Deep Learning Techniques *Rahul Roshan G, Vishal S Salanke, Nagasundari S*
11:00 - 11:15	WCS 2010: Real-Time Prediction of Panic Attacks Through Sweat Analysis in Wearable Devices *Suthir Sriram, Shuddhasattwa Majumder, Mimansa, Nivethitha V, Akash Saxena, Thangavel M*
11:15 - 11:30	WCS 2024: Integrating machine learning in pre-clinical research for predictive analytics in drug development *Madhavan Periyasamy*

Thursday, 14 November 2024

Paper Presentations: 10:00 (IST) to 11:30 (IST)

Parallel sessions: 1, 2, 3 and 4

Time (IST)	Details
Session – 3 (10:00 to 11:30)	
10:00 - 10:15	WCS 2035 : A Deep Learning Model for Arrhythmia Detection Using Ultra-Edge IoT Sensors *Vishnu Prasad Goranthala, K. Siva Sankar, C. Brintha Malar*
10:15 - 10:30	WCS 2042: Unveiling Fuzzy Topologies: Innovative Approaches to Topological Structures via Fuzzy Binary Relations *P. Gnanachandra, C.Arunthathi, B.Ananda Priya, M.Seenivasan*
10:30 - 10:45	WCS 2043: Enhancing Intrusion Detection in Education Sector through Advanced Machine Learning Techniques: A Comparative Study *Glorybe E. Alegre, Patrick D. Cerna*
10:45 - 11:00	WCS 2059: Liver Disease Detection and Classification Using Machine Learning *Ashish Kumar Singh, Shiya Chopra, Manan Batra, Hasmat Fida*
11:00 - 11:15	WCS 2060: Leveraging Docker Containers for Deployment of Web Applications in Microservices Architecture *Meenaxi M Raikar, Priyadarshini Patil, Shankru Guggari, Prajwal Shavi,Swati Mudavi, Neha Patil, Viju Rangannavar*
11:15 - 11:30	WCS 2061: Detecting Image Tampering with Error Level Analysis using Convolutional Neural Networks *Aniket Dubey, Jash Shah, Vardhaman Munot, Supriya Agrawal*
Time (IST)	Details
Session – 4 (10:00 to 11:30)	
10:00 - 10:15	WCS 2063: Early Identification of Disease in Indian Gooseberry using Machine Learning and Deep Learning Techniques *Priyanka G, Mahalakshmi A, Padmavathy C, Nandhini R , Sathya S*
10:15 - 10:30	WCS 3008: Hierarchical model for Email Fraud Detection using Naïve Bayes and SVMI *Vasudevan,M.Nasurudeen,M.Senthil Kumar , R.M.Dilip Charaan, S.Ashok Kumar , Leena Jenefa*
10:30 - 10:45	WCS 3010: Real-Time Weather Data Analysis for Disaster Management and Response *Jyoti Arora, Palak Khullar, Anshika Saini, Rashi Sharma, Garima Sharma*
10:45 - 11:00	WCS 3014: Impact of Financial Literacy on Behavioural Intentions towards Digital Banking using TAM A Study in Presence of Personality Traits *Shesadri Kiran Thirumala, G. Sreenivasa Reddy, V. Sowmyasree*
11:00 - 11:15	WCS 3016: A Comparative Study of Stand-Alone and Hybrid CNN Models for Malaria Parasite Detection *Aditya Bhalerao, Jayashri Ghorpade, Sumedh Gole, Arpit Bora, Chetan Aher*
11:15 - 11:30	WCS 3021: Computer Vision-Based Identification and Classification of Leaf Diseases in Longyard Beans *Akshatha Prabhu, Sumukh M Guptha, Akshay Sudharshan P K*

Paper Presentations: 11:45 (IST) to 13:15 (IST)

Parallel sessions: 5, 6, 7, and 8

Time (IST)	Details (Off line Presentations @SICSR)
Session – 5 (11:45 to 13:15)	
11:45 – 12:00	WCS 1019: Analyzing Twitter Sentiment Trends during the FIFA World Cup 2022 *Poonam Tijare, Jhansi Rani P.*
12:00 – 12:15	WCS 3089: Prediction of Novel CXCR7 Inhibitors Using QSAR Modeling and Validation via Molecular Docking *Belaguppa Manjunath Ashwin Desai, Merla Sudha, Suvarna Ghosh and Pronama Biswas*
12:15 – 12:30	WCS 4027: Detecting Heart Disease Using Machine Learning *Aryan Mhalsank, Sejal Wagh, Madiha Siddiqui, Jyoti Deshmukh*
12:30 – 12:45	WCS 4044: Predicting Stock Closing Prices: A Deep Learning Approach to Financial Forecasting *R. Elangovan, B. Santhi, J. Usha, B.K. Ranjith*
12:45 – 13:00	WCS 5053: Positioning Accuracy Enhancement of Android based GNSS Raw Data Through Advanced Error Correcting Algorithm *Debipriya Dutta, Somnath Mahato, Ankita Kumari, Shikha Suman, Soumya Kundu, Rajib Banerjee*
Time (IST)	Details
Session – 6 (11:45 to 13:15)	
11:45 – 12:00	WCS 3038: Sentiment Analysis for E-commerce Product Reviews using CNN-LSTM *Priti Paul, Soubhik Acharya, Bitan Misra, Soumi Majumder, Nilanjan Dey, Priya Pise*
12:00 – 12:15	WCS 3049: Segmentation of skin cancer images using KP-UNetD *Anupama, D.Sumathi, N.Vimala, K.S.L.Prasanna*
12:15 – 12:30	WCS 3061: Challenge in Underwater Object Detection and Video Segmentation Using Deep Learning *Amani Homoud, Saptarshi Das*
12:30 – 12:45	WCS 3080: Metasploit Based Automated Penetration Testing Using Reinforcement Learning *Aaryen Sanjay Toggi, Dharini Ravichandran Naidu,Raghav Srivastava,Bhavna Bose*
12:45 – 13:00	WCS 3083: Sudoku Solver Algorithms: A Comparative Analysis *Yashaswini Manyam, Srinidhi Sundaram, Apurvanand Sahay*
13:00 – 13:15	WCS 3084: Machine learning approaches in prediction ASD using gut microbiome profile *Puniethaa Prabhu, Ashna M, Balamurugan S, Javeed Akthar G, Sanjay Kumar K, Monesh T*

Thursday, 14 November 2024

Paper Presentations: 11:45 (IST) to 13:15 (IST)

Parallel sessions: 5, 6, 7, and 8

Time (IST)	Details
Session – 7 (11:45 to 13:15)	
11:45 – 12:00	WCS 3090: Improving Cardiovascular Disease Detection: A Comparative Approach with Boosting Algorithms and Imputed Features *Siddique Ibrahim S P, Gifsy Madhu, Jayaprakash Kadali, Nymisha Salivendra, Badugu Anitha*
12:00 – 12:15	WCS 3095: Enhancing Network Security: ML-Based Anomaly Detection *D.S B N S Rekha, V S S P Raju Gottumukkala,Gudapati, Diana Kamal, Shalini Eda*
12:15 – 12:30	WCS 3097: Agro-Weed Identification via Deep and Shallow Learning with Texture Features *J. Kavitha, S. Sowmyayani, S. N. Sithi Shamila, V. Murugan, L. Sharmila, R. Roselinkiruba*
12:30 – 12:45	WCS 4004: AcadQuiz: Ubiquitous Computing and The Future of User Generated Data *Shreelakshmi Sharma, U Ashritha Kini, Ramya D Shetty, Ramyashree*
12:45 – 13:00	WCS 4005: Linguistics of Sacred Semantics: Exploratory Data Analysis of Shri Bhagavad Gita *Gowri J, Vanitha V, Stephan Antony Raj A, Vinodhini D, Gnanaprasanambikai L, Ananthi M*
13:00 – 13:15	WCS 4025: Enhanced Lung Cancer Detection using Deep Learning Ensemble Approach *Sireesha Moturi , Manvitha Ainavolu , Naga Revathi Dokku , Prathima Kasula , Neelima Yagarani , Venkata Reddy Dodda*

Time (IST)	Details
Session –8 (11:45 to 13:15)	
11:45 – 12:00	WCS 4034: Post-Quantum Encryption For Mathematical Model Using Quantum Machine Learning Approach *J. Kavitha, V.Gayatri, R.Rajani, L. Sharmila, V.S Harilakshmi, M. Misba*
12:00 – 12:15	WCS 4039: Leveraging Machine Learning to Predict IFC Project Success and Failure *S. Jayanthi, Jeya Ganesan J, Ismatha Begum, E Ramesh, Ravikumar Balaraman , Sunkam Gunasree*
12:15 – 12:30	WCS 4040: PneumoNet: Innovative Deep Learning Framework for Early Detection of Pneumonia via X-Ray Imaging *Vikas Kamra, Saloni Sharma, Ishika Sharma, Dhanishta Gupta, Ritika Bhardwaj*
12:30 – 12:45	WCS 4055: Efficient Text Formatting: A Comparative Analysis of Algorithmic Approaches *Bandaru Jaya Nandini, Mamidi Leha Sahithi, Siddareddy Gari Harshika, Apurvanand Sahay*
12:45 – 13:00	WCS 4060: AI-Based Intrusion Detection for DDoS and SQL Injection Detection Attacks *Heet Gala, Harsimran Kaur Lamba, Rejo Mathew, Sanjana Shinde*
13:00 – 13:15	WCS 4062: Performance Assessment of Algorithms for Ship Routing through AnyLogic Simulations *Swetha Sridhar, Sanjivani P. Shendre, Samrudhi S. Kamble, M.Yagnasri Priya, Apurvanand S.*

Thursday, 14 November 2024

Paper Presentations: 14:00 (IST) to 15:30 (IST)

Parallel sessions: 9, 10, 11, and 12

Time (IST)	Details (Off line Presentations @SICSR)
Session – 9 (14:00 – 15:30)	
14:00 – 14:15	WCS 6021: Enhancing Medical Image Quality Using Deep Learning Techniques *Nikita Patil, Sahil K. Shah, Vidya Kumbhar, T. P. Singh*
14:15 – 14:30	WEC 1071 : Numerical Study on Variation of Natural Frequency & Frequency Response with Voltage Excited Inclined Piezo at Different Locations on the Plate *K. Gurubrahmam, T Ramamohan Rao, Sree Lakshmi Gundebommu*
14:30 – 14:45	WEC 1097: Deep Learning based Intelligent Surveillance in Shopping Malls and Retail Stores *Pavithra V, S Nivedhan, R Sai Ranjani, R Hemalatha*
14:45 – 15:00	WCS 7051: Analysis of M/M/1 Queue with Backup server, Catastrophe and Reneging Customer *M. Seenivasan, R. Ramesh, F. Patricia, R.Vijayalakshmi, J Shiny Epciya*
15:00 – 15:15	WCS 7052: Single Server Markovian Queuing System with Working Vacations and Customer Impatience *M. Seenivasan, V. Anita, N. Sivasankari and K. Sakthivel*

Time (IST)	Details
Session –10 (14:00 – 15:30)	
14:00 – 14:15	WCS 4096: A Reinforcement Learning-Based Adaptive Learning Rate Scheduler For Optimizing Brain Tumor Detection *Saakshi Shekhar, Siddhanth Dubey, C. Jothikumar, C. Ashokkumar, S. Shamugam*
14:15 – 14:30	WCS 4097: Hybrid Machine Learning for Personalized Ayurvedic Drug Recommendation via Prakriti Assessment *Jimsha K Mathew, J Maruthu Pandi, V Harish Kumar ,Vadagam V Sri Vishnu Charan, Bindu S M, Bhoomika H*
14:30 – 14:45	WCS 5001: Evaluating the Effectiveness of Smote for Imbalanced Data Expansion and Its Impact on Classification Accuracy *Shaik Mohammed Imran, Angelina Geetha*
14:45 – 15:00	WCS 5011: Suicidal Risk Prediction Using Catboost Classifier: A Comparative Study of Six Machine Learning Classifiers *Shikha Prasher, Leema Nelson, Kanmani Pappa*
15:00 – 15:15	WCS 5012: Comprehensive Comparison of Different Machine Learning Algorithms for Heart Disease Prediction *Shikha Prasher, Leema Nelson, Deepak Arumugam*
15:15 – 15:30	WCS 5013: Fatal Health risk Prediction using Machine Learning Techniques with Cardiotocography Dataset *Shikha Prasher, Leema Nelson, deepapk Arumugam*

Paper Presentations: 14:00 (IST) to 15:30 (IST)

Parallel sessions: 9, 10, 11, and 12

Time (IST)	Details
Session – 11 (14:00 – 15:30)	
14:00 – 14:15	WCS 5014: Evaluating efficient Mobile Network Picture fuzzy Environment *D.Anita shanthi, T.Elanthendral, K. Balasangu*
14:15 – 14:30	WCS 5040: Sign Language 2.0: Rethinking ASL Education for the Modern Age *Anushka Rajurkar, Atharva Hardikar, Kritarth Gupta, Artika Singh, Yashodhan Karulkar*
14:30 – 14:45	WCS 5056: Illuminating Solar Potential: A Real-Time Deep Learning, IoT, and Image Processing Approach to Ground-Based Cloud Movement Forecasting for Enhanced Solar Energy Management *P.K.M. Perera, K.B.S. Karunarathna, S. Hewawalpita, S.M. Dassanayake*
14:45 – 15:00	WCS 5058: Improving Alzheimer's Disease Detection Efficiency with Scattering Wavelet Transform *Neelam Shobha Nirala, Shivangi Giri*
15:00 – 15:15	WCS 5066: Advanced Deep Learning Approaches for Early Detection of Diabetic Retinopathy in Retinal Images *D.Vetrithangam , G.Pinki , Azra Fathima , Naresh Kumar Pegada , V.Devi , Aparajita Mukherjee*
15:15 – 15:30	WCS 5072: Universal approximation for bipolar fuzzy MADALINE neural network *S. Anita Shanthi, R.Preethi*
Time (IST)	**Details**
Session –12 (14:00 – 15:30)	
14:00 – 14:15	WCS 5092: Enhancing Asthma Diagnosis through Machine Learning: A Stacking Ensemble Approach *Manas Goel, Manya Gupta, C. Jothikumar, S. Shanmugam, C. Ashokkumar*
14:15 – 14:30	WCS 5095: Evaluating suitable smart glass for visually impaired person in fermatean picture fuzzy environment *S.Anita shanthi, S.Poonkodi,K.Balasangu*
14:30 – 14:45	WCS 6004: Automated Cricket Shot Detection: Enhancing Performance and Engagement Through Real-Time Analysis *Sriram S, Surya Santhosh V R, Baghavathi Priya S*
14:45 – 15:00	WCS 6030: Cross-Lingual Sentiment Prediction with Various Classifiers for Structural Correspondence Learning and Synonym Augmentation *Meghana D K, Kiran K, Harshala R, P Deepa Shenoy, Venugopal K R*
15:00 – 15:15	WCS 6032: Precision Agriculture: Improving Water Stress Forecasting in Tomato Plants using Bioristor Data and Advanced ML Techniques *Archanaa.N, M.Rithani*
15:15 – 15:30	WCS 6041 : Reservation Systems Cancellation Determination Using Machine Learning *Abhishek Kumar, Archana Kumari, Ravi Kumar Burman, Muskan Pandey, Nishant Kumar, Kamaldeep Kamaldeep*

Thursday, 14 November 2024

Paper Presentations: 15:45 (IST) to 17:15 (IST)

Parallel sessions: 13, 14, 15, and 16

Time (IST)	Details
Session – 13 (15:45 – 17:15)	
15:45 – 16:00	WCS 6051: Magnification of HRIS Adoption on HRIS Applications Using CFA and SEM Techniques Ammupriya A, D. Umamaheswari, Jayasree K, RM.Sivagama Sundari rishnan,
16:00 – 16:15	WCS 7039: Crop Disease Detection with Autonomous Robotic Systems Rithani M, Shabarirajan KJ, Shivanesh B, SyamDev RS
16:15 – 16:30	WEC 1011: Carry Tree Adders on FPGA's Design and its Implementation P.Kousalya, M.Lavanya, T.Archana
16:30 – 16:45	WEC 1017: Energy-efficient clustering and routing algorithm using modified squirrel search optimization and improved remora optimization for WSN *Ramkumar Natarajan,P.Tamil selvi ,M.A.Amarnath, S.Ramalingam, Boopathy.S, Chevala Rambabu*
16:45 – 17:00	WEC 1085: High-Performance MIMO Antenna with Defected Ground Structure for WLAN Applications *Kranti D. Patil, Dinesh Yadav*
17:00 – 17:15	WEE 1032: Double Voltage Gain Switched Capacitor Inverter with APOD PWM technique *Vijayakumar M, Shobana Selvaraj, K.Thenmalar, S.Ramesh, Arun V, A.Raja*
Time (IST)	Details
Session –14 (15:45 – 17:15)	
15:45 – 16:00	WEC 1045: Deep Learning Approach for Forest Change Detection and Prediction Using Satellite Images *Bodavula Sneha, Mididoddi Padmaja, Yarasani Kundana, Shaik Vasifa*
16:00 – 16:15	WEC 1049: low-power sram memory using sleepy-stack hybrid power gating technique *Sakthi K, Karthick R ,Dhanush G*
16:15 – 16:30	WEC 1050: Enhancing Image Reconstruction Accuracy Using Artificial Bee Colony (ABC) Optimization *Sajitha A S, S Sridevi Sathya Priya,Sanish V S*
16:30 – 16:45	WEC 1061: Speech Separation in Time-Domain using Auto-Encoder *Jaipreet Kour Wazir, Pawan Kumar, Javaid Ahmad Sheikh, Karan Nathwani*
16:45 – 17:00	WEC 1090: Attention-Based RNN for Alzheimer's Diagnosis: A Multi-Modal Approach with Enhanced Feature Retention Algorithm *S.Ramalingam, P.Gowsikraja, E.Loganathan, A.Logeswaran, N.Ramkumar, K.Geetha*

Thursday, 14 November 2024

Paper Presentations: 15:45 (IST) to 17:15 (IST)

Parallel sessions: 13, 14, 15, and 16

Time (IST)	Details
Session – 15 (15:45 – 17:15)	
15:45 – 16:00	WEC 1072: Precision Gaze Localization for Gaze tracking *Venkatasubramanian K, Thanya Y*
16:00 – 16:15	WEC 1092: Leveraging DenseNet Features for Machine Learning based Lung Disease Diagnosis from X-rays *M Muthulakshmi , Suvetha S P, V Divya*
16:15 – 16:30	WEC 2000: Feature Extraction and Scalability: Custom VGG Inspired Neural Network for Multiclass Stress Detection *Jyoti Ramola, Rajwardhan Arya, Manish Parmar,Kiran Rawat,Rishi Prakash, Pankaj Verma*
16:30 – 16:45	WEE 1011: Improving Heart Disease Prediction with Stacked Ensemble Learning: A Comparison of Binary and Multiclass *Amirthaa M, Gerardine Immaculate Mary, Anitha Julian, Anto Lourdu Xavier Raj Selvarathinam*
16:45 – 17:00	WEE 1029: Performance Evaluation of Trinary Source 9 Level Inverter (TS9LI) With SPWM Control *M.Vijayakumar, S. Ramesh, M.Mohammadha Hussaini, V. Kamatchi Kannan, P.Jamuna, V. Arun*
Time (IST)	Details
Session –16 (15:45 – 17:15)	
15:45 – 16:00	WEC 1024: Power and Temperature Analysis in FPGA: Nine's Complement Operation on Artix Platform *Gurdeep Singh, Sonam Mittal*
16:00 – 16:15	WEC 1038: exploring hybrid beamforming techniques in 5G massive MIMO networks *Spoorthi S P, Bharathi S.H*
16:15 – 16:30	WEC 1067: CPW - Fed Dual Port High Gain Circular Shaped with Elliptical Slots Patch Antenna for Wireless Communications *Manjula Sanugomula, Ketavath Kumar Naik*
16:30 – 16:45	WEC 1070: EV speed tracking using the Regression-based Supervised Machine Learning algorithms *Mary Ann George, Anna Merine George, Dattaguru V. Kamat, Ciji Pearl Kurian*
16:45 – 17:00	WEE 1031: Deep Learning Driven Engineering Innovations: Advancing Sustainable Green Building and Smart Infrastructure for a Resilient Future *S.Senthil Kumar, P.Usha, P.Balakrishnan, V. Kamatchi Kannan, M. Manjula, M.Vijayakumar*

Friday, 15 November 2024

Paper Presentations: 10:00 (IST) to 11:30 (IST)

Parallel sessions: 17, 18, 19, and 20

Time (IST)	Details
Session – 17 (10:00 to 11:30)	
10:00 - 10:15	WCS 4067: An Enhanced Computer Vision and Clustering Approach for Agricultural Produce Classification *R Srivats, Kalyanasundaram V, G. Prethija, Abhiram Sharma*
10:15 - 10:30	WCS 4074: Optimization Techniques for the Traveling Salesman Problem: A Study of Conglomerate of Algorithmic Approaches *Yamini Niharika,Akhila,Vaishnavi,Apurvanand sahay*
10:30 - 10:45	WCS 4077: Smart Load Balancing in Cloud Environments: A Multi-Objective Hybrid SAACO Approach *Ayesha Mulla, Ridah Patel, Shreyas Vichare, Vijayetha Thoday*
10:45 - 11:00	WCS 4088: Optimizing Purchase Intention Prediction in E-CommerceS. Jayanthi, Rajeshwari D, *Naresh Goud M, R.Geetha, S. Benjamin Franklin, Pannangi Rajyalakshmi*
11:00 - 11:15	WCS 4095: Privacy-Preserving Feedback System Using Ring Signatures for Secure Authentication *Aditi Rai, Vijay Kumar Yadav*
11:15 - 11:30	WCS 1061: A Comprehensive Ensemble Approach with Real-Time Performance Metrics for Heart Failure Prediction *Nomula Nagarjuna Reddy, Nipun Lingadally, M. Shereesha and Thoutireddy Shilpa*

Time (IST)	Details
Session –18 (10:00 to 11:30)	
10:00 - 10:15	WCS 2026: AI-Powered Early Detection of Genetic Disorders in Fetuses Using Machine Learning Models *Rama Krishna Eluri, Aila Manogna, Chennupalli Gayathri, Tanniru Akhila, Kondepogu Yuvasri, Yamini Chandana, Sireesha Moturi*
10:15 - 10:30	WCS 2037: Configuration Analysis of Sustainable Development Path of County Rural E-Commerce HE GUIHE, Noor Zaidi Sahid, Norshila Shaifuddin
10:30 - 10:45	WCS 2062: Harnessing NLP and Deep Learning to Decode Disease–Gene Interactions in Lung Cancer *K. Mary Sudha Rani, V. Kamakshi Prasad*
10:45 - 11:00	WCS 2067: Deep Learning based Multi-Class Brain Tumor Detection and Localization using SVM Julakanti Sai Yaswanth, K Venkatesh, Nemaladdinne Abdul Khadar Jilani, Afnaan K, Tripty Singh, Prakash Duraisamy
11:00 - 11:15	WCS 2068: Comparative Analysis of Deep Learning Methods for Lesion Segmentation in Gastrointestinal Endoscopic Images *K Sai Chandana Reddy, K Dheeraj Reddy, L E Sree Sai Praneeth Goud, Afnaan K, Tripty Singh*
11:15 - 11:30	WCS 2069: Enhancing Cervical Cancer Diagnosis: Deep Learning and Explainable AI in Multiclass Image Classification *Kuthati Shreya, Lasya Priya Divakarla, Kanderi Johith Kumar, Afnaan K, Tripty Singh*

Friday, 15 November 2024

Paper Presentations: 10:00 (IST) to 11:30 (IST)

Parallel sessions: 17, 18, 19, and 20

Time (IST)	Details
Session – 19 (10:00 to 11:30)	
10:00 - 10:15	WCS 2096: Comparison of various Computational Models for Accurate Stroke Prediction and Interpretation using LIME and SHAP Kernels *Chalana B Aruna, Anusha M, Ashwini Kodipalli, Gargi N, Harish L, Shridhar B Devamane*
10:15 - 10:30	WCS 2097: Enhancing Detection of Breast Cancer Through a Novel Framework: A Machine Learning Approach with Explainable AI Interpretation *Vidyashree R, Ashwini Kodipalli, Trupthi Rao*
10:30 - 10:45	WCS 2098: Enhancing Hospital Mortality Prediction for Heart Failure Patients through Hyperparameter Optimization and Interpretability Analysis with LIME and SHAP *Meena SA, Monisha Murthy, Ashwini Kodipalli*
10:45 - 11:00	WCS 3028: Influencing Consumer Behaviour on E-Commerce Platforms through Social Media Marketing Using BiLSTM-KNN Models *D. Sudha Arogya Mary Chinthamani, Saravanan LG, Rohit Kar, Rajendra Mahanandia, Milana Vanyan, Sweta Priya*
11:00 - 11:15	WCS 3030: Detection of PCOS Leveraging Machine Learning and Interpretation using Explainable AI *Bindu Madhavi V, Asfiya Firdouse, Ashwini Kodipalli*
11:15 - 11:30	WCS 3055: Advancing Marine Species Detection: A Comparative Analysis of YOLOv5 and YOLOv8 in Challenging Underwater Environment *Bharath R, H U Ujwal, Chandan K, R C Ravindranath, Chandramma R and Rakshith H R*

Time (IST)	Details
Session –20 (10:00 to 11:30)	
10:00 - 10:15	WCS 3076: Depression Detection from Social Media Text using NLP and Deep Learning Techniques *Chrisanne Gomes, Shyam M Kumar, Soni Sweta, Maariyah Ghaswala*
10:15 - 10:30	WCS 3086: Monitoring Urban Growth and Infrastructure Evolution with U-Net Deep Learning Model *Atharv Asole, Divya Mundhada, Ishan Chourasia, Shreyas Banode, Atiya Khan*
10:30 - 10:45	WCS 3091: Optimized Deep Learning for Multi-Class Retinal Disease Classification Using ResNet-101 *K.Suresh Babu, G.Saranya, Kattiri.Santhoshkumar, Talari Babu, Venkata Thirumala.M, Dodda Venkatareddy*
10:45 - 11:00	WCS 3093: Automated Detection and Mitigation of Malicious Packages in the PyPI Ecosystem and .exe files: PyGuardEX *Mit Gandhi, Mehek Patel, Harshil Bhadra, Saurav Verma*
11:00 - 11:15	WCS 4001: Improving Passenger Count Accuracy in Crowded Public Transit Stops Archana Nigam, Sanjay Srivastava
11:15 - 11:30	WCS 4047: Image Inpainting using Deep Learning Architectures: PConv and GAN *Reya Sharma, Akansha Tyagi, B.G.Sahithi, G.Divya, J.Akshaya Varshini Reddy*

Friday, 15 November 2024

Paper Presentations: 11:45 (IST) to 13:15 (IST)

Parallel sessions: 21, 22, 23, and 24

Time (IST)	Details
Session – 21 (11:45 to 13:15)	
11:45 – 12:00	WCS 4049: Software Startups Success Prediction: Machine Learning Methods of Comparative Analysis *J Anitha Gracy, S Parthasarathy, S.Hirthick, P.Nandhini*
12:00 – 12:15	WCS 4057: An Integrated Framework for Predictive Maintenance Using KNN, Random Forest, and SVM *A.Vijay, S.Prabhu, N.Kanagaraj, P.Sopna, S.Nathiya, J.Sumitha*
12:15 – 12:30	WCS 4091: Analysis of Green Computing models on AWS using machine learning algorithms *T. Sudeep Reddy, Beena B.M*
12:30 – 12:45	WCS 5018: Emotion and Cause Detection in Dialogues Using Capsule Networks *Shyam Ganesh K, S Baghavathi Priya, Lavanya G*
12:45 – 13:00	WCS 5030: CNN-Driven detection of Abnormalities in PCG signals using Gammatonegram Analysis *Sumanth Tata, Sireesha Moturi, Somnath Katragadda, Venkata Pavan Kumar Laghumavarapu, Brahmaiah Lingala, Venkatareddy Dodda*
13:00 – 13:15	WCS 5086: Detection and Quantification of TB Bacilli in Sputum Smear Images *Rithani M, Jeevanantham, Sona B, SyamDev R S*

Time (IST)	Details
Session – 22 (11:45 to 13:15)	
11:45 – 12:00	WCS 5089: Blood Test Report-Based Prediction and Classification of Diseases Using Artificial Neural Networks *Ashwini Kodipalli, N Prajwal, Vamshi Vignesh B, Trupthi Rao, Gargi N, Shridhar B.Devamane*
12:00 – 12:15	WCS 6000: Deep Learning Model-Based Region Measurement Analysis for Breast Cancer Classification *Radhika Meegada, Hemanta Kumar Bhuyan*
12:15 – 12:30	WCS 6001: Comparing the Best-fit and Integrating Generative Deep Learning with Time Series Models for Metal Price Forecasting: A Predictive Analysis *Palash Bairagi, Shrey Arora*
12:30 – 12:45	WCS 6008: Ovulytics: A Machine Learning Approach for Precision Diagnosis of PCOS, PCOD and Infertility *Tanushree Jha, Sirisha M, M. S. Bhargavi*
12:45 – 13:00	WCS 7031: Crop Quality Prediction with GPU-DLCQPA: Comparing Deep Learning and Traditional Machine Learning Techniques *Srinivasa Rao Alapati, A.V.H Sai Prasad, Guduri.Padma Rao, Mandula Aruna, K.L.V.G.K.Murthy, S.Kaliappan, Siva Kumar Pathuri*
13:00 – 13:15	WCS 7037: Enhancing EEG Analysis for Rapid Brain Activities Detection in Patients *Abhivyakti Yadav, R Kaif Ahmed, Annamalai R, S.Sudha Mercy*

Friday, 15 November 2024

Paper Presentations: 11:45 (IST) to 13:15 (IST)

Parallel sessions: 21, 22, 23, and 24

Time (IST)	Details
Time (IST)	Details
Session – 23 (11:45 to 13:15)	
11:45 – 12:00	WCS 7041: Rack Sensor Dynamics: Analyzing Sensor Behavior Using Random Forest and XGBoost for Optimized Job Allocation *Sai Bhumika Challagulla, B. M. Beena*
12:00 – 12:15	WCS 7042: Enhancing Gestational Diabetes Prediction Through Deep Learning and Traditional ML Techniques *Srinivasa Rao Alapati, Nagamallikharjunarao.Billa, M.Vamsi Krishna, J.V.Rama Kumar, S.Kaliappan, Siva Kumar Pathuri, Krishna Priya Burra*
12:15 – 12:30	WCS 7045: Computing the TCCD-Number for the strong product of Graphs and Its Application in Urban Water Treatment: Addressing Water Scarcity through Drainage Purification *S. Kaviya, G. Mahadevan, C. Sivagnanam*
12:30 – 12:45	WCS 7047: CNN-Based Handwritten Recognition with Bilinear Interpolation *K.Anuradha, E. Mercy Beulah, T. Kiruba Devi, S. NirmalaSugirtha Rajini, V J Chakravarthy*
12:45 – 13:00	WCS 7048: Enhancing Lung Cancer Classification Using Deep Learning Architecture *Preetha G, S.Nirmala Sugirtha Rajini, R.Soundharya Devi, V J Chakravarthy*
Time (IST)	Details
Session – 24 (11:45 to 13:15)	
11:45 – 12:00	WEC 1004: Implementation of the frequency domain feature extraction technique for machine learning-based seizure detection *Sandeep Kumar Saini, Garima Chandel*
12:00 – 12:15	WEC 1013: Improving Structural Safety with Machine Learning: Shear Strength Prediction in Interior Beam-Column Joints *Sunkavalli Sidvilasini, Palanisamy T*
12:15 – 12:30	WEC 1027: Mangrove Density sprawl analysis using Multispectral images of Revas beach, uran taluka in Raigad District *Kedar Shyam Somani, Rohini Ochawar, Sanjay Balamwar*
12:30 – 12:45	WEC 1036: Design and Simulation of Inset Cut slots antenna for beyond 5G applications *Smrity Dwivedi*
12:45 – 13:00	WEC 1037: Implementation of TAM-based fundamental analog and arithmetic operations using DDCCTA *Deva Nand, Sweta Kumari*
13:00 – 13:15	WEC 1073: Early Detection of Neurological Disorders Using Frequency Domain Features and Machine Learning *Sandeep Kumar Saini, Garima Chandel, Ranjita Saini, and Rakesh Kumar*