

**2025 Fifth International Conference on
Advances in Electrical, Computing, Communications and
Sustainable Technologies (ICAECT 2025)**

09 - 10, January 2025 | Bhilai, Chhattisgarh, India

Program Schedule

Date	Time	Event
09.01.2025	10.40 am to 11.20 am	Inaugural Function
	11.30 am to 12.05 pm	Keynote 1_Dr. LAU KWAN YIEW <i>Faculty of Electrical Engineering, Universiti Teknologi Malaysia, Johor, Malaysia.</i>
	12.05 pm to 12.40 pm	Keynote 2_Dr. Jagadeesh G <i>School of Computer Science Engineering and Information Systems Vellore Institute of Technology, Vellore</i>
	02.20 pm to 04.30 pm	Session 01: AECT_PHY01(OFFLINE)
		Session 02: CS01(Online)
		Session 03: CS02(Online)
		Session 04: CS03(Online)
		Session 05: CS04(Online)
		Session 06: CS05(Online)
		Session 07: CS06(Online)
		Session 08: EC01(Online)
		Session 09: EC02(Online)
		Session 10: EE01(Online)
10.01.2025	09.30 am to 10.05 am	Keynote 3 (ONLINE)
10.01.2025	10.30 am to 12.40 pm	Session 11: CS07(Online)
		Session 12: CS08(Online)
		Session 13: CS09(Online)
		Session 14: CS10(Online)
		Session 15: CS11(Online)
		Session 16: CS12(Online)
		Session 17: EC03(Online)
		Session 18: EC04(Online)
		Session 19: EE02(Online)
		Session 20: CS13(Online)

Session Name Tracks

CS - Computer Science & Engineering
EC - Electronics & Communication Engineering
EE – Electrical Engineering

Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google Meet platform.
3. Participants can join their respective sessions by clicking the meet link given or using passcode
4. Mode of presentation should be powerpoint presentation (ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 2 minutes (Queries)
6. Participant SHOULD join the session at least 30 minutes prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to contact the respective session coordinators for presentation related queries.

Session 01: AECT_PHY01 (OFFLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Chair: Dr. Achala Jain, Shri Shankaracharya Technical Campus, Bhilai

Session Co-ordinator: Dr. Tanu Rizvi, Shri Shankaracharya Technical Campus, Bhilai

Venue: Auditorium

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 3034	Non-Invasive technique for fingerprint-based blood group identification	Manswi Panpatte, Devyani Thakre
02.32 pm	25CHCS 7041	Machine Learning-Based Diagnosis of Thyroid Disorders Using Clinical Data	S Prasanth Vaidya, M.Srujana, G.Chaitanya, M.Meghana, I.Sri Harshitha
02.44 pm	25CHCS 7042	Innovative Approaches to Rainfall Prediction: Empowering Farmers with ML Models	Prasanth Vaidya Sanivarapu, V.Varshini, K.Akshara Bhavitha, K.Nandhini, Ch.Madhavi, M.Sarayu
02.56 pm	25CHCS 9016	Prediction of Liver disease using radiomics features and convolutional Neural Network	A.BAathsheba Parimala, R.S.Shanmugasundaram
03.08 pm	25CHEC 1049	Performance Analysis of a New Single and Partial Double Error Correcting (SPDEC) Code with Soft Decision Decoding	Raj Kumar Maity, Trisha Bhadra, Anish Pati, Anik Kapat, Satirtha Chatterjee, Sweta Bijali Maity
03.20 pm	25CHEC 3059	Enhanced Breast Cancer Detection in Ultrasound Images Using LoRA-Fine-Tuned Florence-2 Model	Aarushi Agrawal, Harleen Bagga, Richa Khandelwal

Session 02: CS01 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Prof. Neetish Kumar Chandrakar

Session Chair(s):

1. Dr. Abha Choubey, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Charan Panem Arur, National Forensic Sciences University, Tripura.

Google meet link: <https://meet.google.com/zjm-ccrd-vva>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 1069	The Transformative Power of Artificial Intelligence in the Future of Human Resource Management	Priya. M, G. Jayalakshmi
02.32 pm	25CHCS 1088	An Efficient Image Classification Technique using Transfer Learning Mechanism in the Context of Tumor Detection	Anasuya Sengupta, Alok Ranjan Pal, Anupam Dasgupta
02.44 pm	25CHCS 1095	Fighting the Illusion: Exploring Consumer Defense Against Deepfake Technology Using Protection Motivation Theory	Kanchan Pranay Patil, Dhanya Pramod, Sumon Mitra, Suraj Sarma, Pranavi Sodagiri, Sudhansu Saraswat
02.56 pm	25CHCS 2000	Enhancing Educational Outcomes: Predictive Analytics for Student Performance	Vijayalakshmi M, G Yadu Praveer, Mithun Veeramaneni
03.08 pm	25CHCS 2006	Empirical Analysis of Prompt-based LLMs for Structural classification of Indian Legal Judgements	Sidda Siri Chandana, Hemanth Bysani, Shubham Garg, Ghnana Prasoon, Deepa Gupta, Sushant Sinha
03.20 pm	25CHCS 2014	Emotion Analysis in Texts Using Decoder only Transformer Model	Ambati Shivani, Dokala Hrushikesh, Jaya Chandra, Tipirneni Lahari
03.32 pm	25CHCS 2019	Automated Regional Language News Article Classification System for Kannada and Telugu	Deepa Gupta, K Thejaa, Aarathi Rajagopalan Nair, Panduranga Katti
03.44 pm	25CHCS 2020	Tuberculosis Diagnosis from Chest X-Ray Image Using Deep Learning Techniques	Karib Shams, Ratul Saha, Mahmuda Islam Rodela, Sanjana Rashid Simran, Musharrat Khan
03.56 pm	25CHCS 2022	Extending the Progression Model of Alzheimer's Disease Combining KNN, LDA and SMOTE	Tatireddy Subba Reddy, Sowmya Gopiseti, G Krishna Prasad, Ch Sanjay Kumar, D.Vaishnavi
04.08 pm	25CHCS 2023	Enhancing Building Safety through Machine Learning-based Smoke Detection	Sulaiman Syed Mohamed, Judeson Antony Kovilpillai J, Pragya, Mahmood Hussain Mir, Golda Brunet R and Tawseef Ahmad Mir
04.20 pm	25CHCS 2026	The Impact of Transformer Models and Regression Algorithms on Automated Short Answer Grading	Abhijith.N.Nampoothiri, M.G.Thushara, Pradeesh.N, Anand Krishna K. R, Abhai Santhosh, Abhijith Kumar S, Suryan Kumar

Session 03: CS02 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Ms. Archana Senapati, Shri Shankaracharya Technical Campus, Bhilai

Session Chair:

1. Dr. Shrikant Tiwari, Galgotias University
2. Dr. Megha Mishra, Shri Shankaracharya Technical Campus, Bhilai

Google meet link: <https://meet.google.com/qxd-dzdh-tgh>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 2044	Automated Semantic Segmentation of Cervical Cells using High-resolution Network	Resmi S, Rimjhim Padam Singh
02.32 pm	25CHCS 2045	Leveraging NLP-Driven Sentiment Analysis for Enhancing Decision-Making in Supply Chain Management	Lakshmi Narasimha Raju Mudunuri , Praveen Kumar Maroju , Venu Madhav Aragani
02.44 pm	25CHCS 2049	Assessing the Accuracy of Regression and Classification Models in Air Quality Prediction	Harsh Kumar Vishwakarma, Guru Prasad M S, Vanshika Mittal, PavanKumar Naik, Chandrappa S, Naveen Kumar H N
02.56 pm	25CHCS 2072	Automated Diagnosis of Pneumonia Using Transfer Learning and Deep CNNs on Chest X-ray Images	Ankita Sharma, Sonam Mittal, Bura Vijay Kumar
03.08 pm	25CHCS 2074	Leveraging Deep Reinforcement Learning for Resource Allocation in Large-Scale IoT Networks	Annie Lotus A, David Samuel Azariya S, Sheeba Florance N, Priyabrata Thatoi, Anto Lourdu Xavier Raj Arockia Selvarathinam, Nisha Soms
03.20 pm	25CHCS 2077	Prediction of earthquake and its magnitude using Machine Learning	Ridhi Singh Gaur, Rajni Bhati, Nidhi, Ritu Rani, Garima Jaiswal, Arun Sharma
03.32 pm	25CHCS 2079	Comparative Study of Crop Yield Prediction Using Explainable AI and Interpretable Machine Learning Techniques	Himanshu Pant, Garima Joshi, Bhupesh Rawat, Himanshu Rai Goyal, Yogesh Joshi, Chandrapal Singh Bohra
03.44 pm	25CHCS 2080	Evaluating the Impact of Renewable Energy on Power Generation Costs: A Hybrid ANN and SCA Approach	Raginee Sharma, Binod Shaw, Chilaka Ranga, Achala Jain
03.56 pm	25CHCS 3008	A study on the Deep Learning Models for Lung Disease Detection from Chest X-Ray Images	S.Rani, S.Jeyalaksshmi , Srideivanai Nagarajan, M.Yogeshwari, M.Sakthivanitha,
04.08 pm	25CHCS 3009	Evaluating Reinforcement Learning Agents for Portfolio Management	Venu Madhav Aragani
04.20 pm	25CHCS 3010	Automated Essay Scoring: A comparative study of Machine Learning and Deep Learning Approaches	Bhuvi Bansal, Jhalak Gupta, Manasvi Singh, Ritu Rani, Garima Jaiswal, Arun Sharma

Session 04: CS03 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Prof. Swati Verma, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Samta Gajbhiye, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Shiva Shankar Reddy, SRKR Engineering College (A), Bhimavaram

Google meet link: <https://meet.google.com/zau-iwij-fti>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 3017	IoT-Enabled Asthma Trackers for Children with KNN for Improved Breathing Control	P. Sathyanathan, K. Balachander, Pramod Pandey, V. Prasanna Srinivasan, T. R. GaneshBabu, M. Muthulekshmi
02.32 pm	25CHCS 3018	Hybrid Deep Learning and Optimization Approaches for Energy-Efficient IoT Systems	Sheeba Florance N, David Samuel Azariya S, Annie Lotus A, Anto Lourdu Xavier Raj Arockia Selvarathinam, Priyabrata Thatoie, Nisha Soms
02.44 pm	25CHCS 3040	AI-Assisted Test Script Generation for GUI Applications	Saurabh Kapoor
02.56 pm	25CHCS 3061	Comparative Analysis of Machine Learning Algorithms for Binary Classification of Tea Leaf Diseases	Nidhi Shekhar, Megha J.S., Varsha J.S. and Revathi G.P.
03.08 pm	25CHCS 3072	DenseNet-Transformer Model: A Hybrid Architecture for Improved Human Action Recognition in Videos	R. Athilakshmi, Lakshmi Gnaneswara Prasadu Indugapalli, Anusuri Bhuvan Sai, M. Chandra Kiran Teja
03.20 pm	25CHCS 3077	Simulation and Analysis of ML-Based Chronic Kidney Disease Prediction	Sandeep Gupta, Raj Sinha, Shadab Hussain, Sandeep Kanaujia
03.32 pm	25CHCS 3089	Enhancing Breast Cancer Diagnosis: A Random Forest-Based Approach to Machine Learning	Priyanka V Deshmukh, Aniket K Shahade
03.44 pm	25CHCS 4011	Real-Time Anomaly Detection in Industrial Automation Using Generative Adversarial Networks	Ravindra Changala, Shamim Ahmad Khan, Vijay Kumar, V.Kanpur Rani, K. Dhilli, I Infant raj
03.56 pm	25CHCS 4013	Experimental Study of Various Deep Learning Models in Handwritten Character Recognition	Prudhvi Chanakya Nalluri, Siva Rama Sandilya Ponnekanti, Annapureddy Navya, Mupparaju Vijaya Lakshmi, Venkatrama Phani Kumar, Venkata Krishna Kishore Kolli
04.08 pm	25CHCS 4015	Emotion Analysis in Texts using Decoder only Transformer Model	Ambati Shivani, Hrushikesh Dokala , Gali Jaya Chandra
04.20 pm	25CHCS 7009	Improvement of Image Classification Technique Using Transfer Learning	Devanand Bhonsle, Ruhi Uzma, Priyanka Prasad, Rushikesh Bankar, Manjushree Nayake, Sampada vishwas Massey, Tanu Rizvi

Session 05: CS04 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Prof. Rajeshwar Dewangan, Shri Shankaracharya Technical Campus

Session Chair(s):

1. Dr. Siddharth Choubey, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Pankaj Jain, Nanasaheb Mahadik College of Engineering

Google meet link: <https://meet.google.com/trq-ydfd-xgw>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 4029	Data-Driven Credit Scoring: Integrating Genetic Algorithms with Ensemble Learning for Multi Class Classification	Arinjay Jain, Dhanya Pramod
02.32 pm	25CHCS 4032	Enhancing Message Security Using Product Labeling and Edge Deletion in Complete Bipartite Graphs	K. Maragathavalli, R. Mary Jeya Jothi
02.44 pm	25CHCS 4033	Identification of Accurate and Optimal rows for Upsampling of a Dataset	Tejaswini Katale, Amodi Baakle, Aakash Chotrani, Santosh Shinde
02.56 pm	25CHCS 4040	Adaptive AI for Intrusion Detection Using Hybrid Deep Learning Architectures to Minimize False Positives and Evolving Threats	Rajendar Thatikanti, Praveen P
03.08 pm	25CHCS 4051	Integrated Sentiment Analysis and Graph Neural Networks for Understanding Consumer Behavior	Divya Nimma, Pravin D Sawant, Sumit Pokhriyal, Neelima Kalidindi, Balakrishna Bangaru, R Saravanakumar
03.20 pm	25CHCS 4052	Novel Strategies for Text Summarization: Leveraging Transformer Models and Reinforcement Learning in English Language Processing	Seema Johar, Nisha Misra, Ruchi Tandon, Dayal Pyari, Janjhyam Venkata Naga Ramesh, Vimochana.M
03.32 pm	25CHCS 4054	Optimizing Athletic Performance through Graph Neural Networks: Predictive Analysis, Real-Time Tracking, and Advanced Optimization Techniques	P. Shyamala Anto Mary, S. Ramya, Dr.S. Vijay Peter, J V Naga Ramesh, Devulapally Swetha, R Saravanakumar
03.44 pm	25CHCS 4061	Comparative Analysis of Traditional Statistical Methods and AI-Based Approaches for Credit Risk Modeling in Banking	Ravindra Changala, Chamandeep Kaur, Deepak Gupta, Ozoda Talipova, Vuda Sreenivasa Rao, B.Anitha Vijayalakshmi
03.56 pm	25CHCS 4063	Multi AI agents based Black Box Audio Transcriber and Aviation Incident Report Generator	Ghanashyam Vagale, Mohammed Naif Khan, Rajat Goutam, Devarakonda Nikhil, Matur Rohith Kumar, Tarun Narula
04.08 pm	25CHCS 4076	Enhanced AI Model for Multimodal Influencer Marketing Analysis and Classification	Charu Bisaria, K.R. Praneeth, Divya Nimma, T. Naresh Babu, Manidipa Roy, M. Karthik
04.20 pm	25CHCS 4077	Optimizing English Lexical Databases with BERT and Reinforcement Learning	V.Saranya, G.R.K.Murthy, Purnachandra Rao Alapati, M. Mythili, K.Swarnamughi, B Kiran Bala

Session 06: CS05 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Ms. Veenita Swarnkar, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Avinash Dhole, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Kamal k. Garg, Pandit Deendayal Energy University- PDEU (Formerly PDPU), Gandhinagar

Google meet link: <https://meet.google.com/vfp-jrkq-eiz>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 4084	Analysis for Predicting English Premier League Matches Using Clifford-Steerable Convolutional Networks	Mohideen AbdulKader M, S. Advay Vaithieswaran, Tanuj Rao
02.32 pm	25CHCS 4086	Multi-Modal Framework for Predicting Post-Pandemic Consumer Behavior Using BERT and GNN	Divya Nimma, Ch.Anudeep, Tripti Sahu, Nusrat Hamid Shah, Lubna Hamid Shah, B Kiran Bala
02.44 pm	25CHCS 4089	Advancing Tree Species Identification through Innovative Treescape Machine Learning Approaches	Mamilla Vasu Deva Reddy, Srinivasulu Jogi, and CH. Murali Krishna Yadav
02.56 pm	25CHCS 4093	Integrating Blockchain and Artificial Intelligence for Securing Payment processes Against Fraudulent Transactions	J V Naga Ramesh, Nusrat Hamid Shah, Malik Bader Alazzam, Divya Nimma, V. Selvi, A.Balakumar
03.08 pm	25CHCS 4096	A secure and efficient key management for intrusion detection in cloud storage based on PLS and SVM Model	B. Lakshmi, S. Rajathi, Vineetha Vargheese, Anju A Sanu, C. P. Thamil Selvi, P. Shenbagavalli, A. Suresh Kumar
03.20 pm	25CHCS 5001	CorLMI-FSA: An Efficient Feature Selection Approach for Stress Classification Using Physiological Signals	Shikha Shikha, Divyashikha Sethia, S. Indu
03.32 pm	25CHCS 5007	Generative Adversarial Networks for Endoscopic Image Classification	S Prabu, R Saravanan, T Gomathi, Surendran R, Deepa R
03.44 pm	25CHCS 5010	Applying Machine Learning Tools for Urban Resilience Against Floods	Mahla Ardebili Pour, Mohammad B. Ghiasi, Ali Karkehabadi
03.56 pm	25CHCS 5011	Advanced Deep Learning Framework for Diagnosing Autism Spectrum Disorder through Facial Expression Analysis	Jagadesh Balasubramani, Surendran R
04.08 pm	25CHCS 5012	Real-Time Hand Tremor Detection in Essential Tremor Patients Using Cloud-Based Deep Learning Solutions	Chitra Sabapathy Ranganathan, Palaniraj Rajidurai Parvathy, A.Sairam, P. Robert, T. R. GaneshBabu, M. Rajmohan
04.20 pm	25CHCS 5020	Artificial Intelligence in Smart Agriculture: Transforming Pest Management, Crop Yield Tracking, and Resource Efficiency in Eco-Friendly Farming Systems	V.S.Prakash, V.Samuthira Pandi, S.Kavitha, Shobana D, Lakshmi Priya J, M. Ravichandran

Session 07: CS06 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Mr. Vikky Kumhar, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Devanand Bhonsle, Shri Shankaracharya Technical Campus, Bhilai
- 2.

Google meet link: <https://meet.google.com/wds-ujna-sjf>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHCS 5022	FEniCSx based effective scheme for the Cahn-Hilliard equation	Harsh Bhutra, Bettina Ann Thomas, K Shreya Shri, T.V. Smitha, Nizampatnam Neelima
02.32 pm	25CHCS 5029	Advanced Deep Learning Techniques for Multivariate Weather Prediction using RNN and LSTM models	Chintha Venkata Ramana, B. Venkata Varma, U.V. Ramesh, P. Anand Kumar, A. Lakshmanarao, Raja Rao PBV
02.44 pm	25CHCS 5033	CineXDrama: Relevance Detection and Sentiment Analysis of Bangla YouTube Comments on Movie-Drama using Transformers: Insights from Interpretability Tool	Usafa Akther Rifa, Pronay Debnath, Busra Kamal Rafa, Shamaun Safa Hridi, Md. Aminur Rahman
02.56 pm	25CHCS 5035	AI-Driven Adaptive Intrusion Detection Systems for IoT Networks: Enhancing Cybersecurity Through Deep Learning Techniques	K Surendra Reddy, Haripriya R, Naveeth kumar R, Thatikonda Radhika, Bura Vijay Kumar, A.Athiraja
03.08 pm	25CHCS 5036	Data Fusion using Variational Information Bottleneck in IoMT System	Prabakaran A, Balamurugan N M, Kalavathi, John A, Sudha D
03.20 pm	25CHCS 7032	Detecting Plant Diseases with AI Deep Learning Techniques	Narenthirakumar Appavu
03.32 pm	25CHCS 5038	An Improved Nimble Filter for Medical Image Sharpening	Eswar R B, Vishnukumar S, Sabu M K, Neena Shilen
03.44 pm	25CHCS 5090	Virtual and Augmented Reality: Bridging the Digital and Physical Worlds for Immersive Experiences and Interactive Learning	Devi.P.P, Praveena. V, V.Samuthira Pandi, Iyswariya A, Shobana D, Lakshmi Priya J
03.56 pm	25CHCS 5096	Implementation of YOLOv9-Based Real-Time Object Detection for Robotic Finger Applications	Premkumar Duraisamy, Deepika A, Dhanushiya S, Karthik S
04.08 pm	25CHCS 6000	Enhancing ATM Accessibility: A Dual-Language (Tamil and English) Streamlit Application with Audio Guidance and Voice Command for Visually Impaired Users	Suganth S, Sri hari S, Ashwini S
04.20 pm	25CHCS 6003	An Efficient Intrusion Detection Model with Novel Machine Learning Stacking Ensemble Techniques	T.V. Sai Krishnaa, A. Ramya, A. Lakshmanarao, Kanagala Supriya Suhasini, G. Jose Moses, G. Sushma

Session 08: EC01 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Prof. Chandrahas Sahu, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr Smita Selot, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Mangal Singh, Symbiosis Institute of Technology, Pune

Google meet link: <https://meet.google.com/obf-nkrq-igc>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHEC 1008	Low-Power Linear Feedback Shift Register using TSPC Flip-Flop and Clock Gating	Shashank Gupta and M. Vinodhini
02.32 pm	25CHEC 1033	A Review on VLSI Implementation of Proactive Noise Mitigation System for IoT Application	Mr.Arunlal CK, A.Selwin Mich Priyadharson
02.44 pm	25CHEC 1041	Device Parameter Variation for Gate Engineered Silicon Nanowire(SiNW) MOSFET	P.Lovely, K.S.Subashree, J.Sangeetha Ragavi, M.Sathishkumar, I.Vivek Anand, T.S.Arun Samuel
02.56 pm	25CHEC 1047	An Optimized Multiply Accumulate Unit for Embedded Applications	S. V. Kartheek, T. V. Sudeep, P. Harish and M. Vinodhini
03.08 pm	25CHEC 1052	Ultrathin and Compact Broadband Printed Monopole Antenna with Steady Radiation Pattern for SHF Satellite Communication	Kanwar Preet Kaur, Trushit Upadhyaya, Upesh Patel, Poonam Thanki, Killol Pandya and Dhara Patel
03.20 pm	25CHEC 1053	Compact Wideband two port MIMO antenna with high isolation for wireless applications	Poonam Thanki, Trushit Upadhyaya, Upesh Patel, Kanwar Preet Kaur, Killol Pandya, Dhara Patel
03.32 pm	25CHEC 1066	Numerical and Equivalent-Circuit Analysis of Ultrathin FSS with Wide-Stopband Response for EM Shielding Applications	Kanwar Preet Kaur, Simardeep Kaur, M.L.S.N.S Lakshmi, Shimpy Ralhan
03.44 pm	25CHEC 1076	Dysarthric Speech Data Augmentation using Generative Adversarial Networks	Shailaja Yadav, Dinkar Yadav
03.56 pm	25CHEC 1080	Identification and Classification of Freezing of Gait Episodes in Parkinson's Disease Using AutoML Techniques	R.Mohandas, Vinsley S.S, B.VeeraJyothi, Sumathi S, Chitra Murugan, M.Sambathkumar
04.08 pm	25CHEC 1084	Design and Simulation of a 1x2 Rectangular Microstrip Patch Antenna Array with Feeding Network	Md Boktiar Hossain, Khandoker Hoque, Samane Abdi, Ehsan Bazgir, Mohammad Atikur Rahman
04.20 pm	25CHEC 1097	Optimizing Cancer Detection through Gene Expression Data: A Comparative Study of Dimensionality Reduction and Deep Learning Technique	Anju Das, Neelima N

Session 09: EC02 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Prof. Rahul Pandey, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Shruti Tiwari, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Rachna Sharma, Nirma University, Ahmedabad

Google meet link: <https://meet.google.com/rpg-ppdf-skq>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHEC 2001	UWSN: A Novel Artificial Intelligence (AI) enabled Scheme to Improve Security and Energy Efficiency over Underwater Wireless Sensor Networks	P. Shyamala Bharathi, M Jaya Bharatha Reddy
02.32 pm	25CHEC 2002	Development of a Secured Spectral Decision-Making Model with Geographical Mobility for Multi-User Environment over Cognitive Radio Network	P. Shyamala Bharathi, Jayaprakash Reddy
02.44 pm	25CHEC 2003	AIAS: Experimental Evaluation of Spectrum Utilization over Cognitive Radio Networks using Artificial Intelligence (AI) Assisted Adaptive Searching Algorithm	P. Shyamala Bharathi, A Shankar
02.56 pm	25CHEC 2005	A Logical Determination of Intrusion Detection System over Cognitive Radio Networks using Cybersecurity enabled Artificial Intelligence Principles	P. Shyamala Bharathi, Jayaprakash Reddy
03.08 pm	25CHEC 2007	Analysis and Performance Evaluation of Perpendicular Shape Lumped Port Single State Antenna for High-Frequency Wireless Applications	Mary Joy Kinol.A, Thaj Mary Delsy T, Marshiana.D, Krishnamoorthy. N.RT
03.20 pm	25CHEC 2028	Extended Long Range Encrypted Wireless Mesh Communication Without Cellular Network	Naitik Thakor, Harsh Panara, Nisarg Jadav, Rutu Parekh
03.32 pm	25CHEC 2031	Optimized FPGA Architectures for high-speed NTT Computation	Chetan Harsha Lekkala, Sitadevi Bharatula, B. Naresh Kumar Reddy and K. Sarangam
03.44 pm	25CHEC 2043	Enhancing Low-Power Performance of GAA-TFETs through Gate Work Function Optimization	Obulesu Dandu, Anchula Sathish
03.56 pm	25CHEC 2048	Optimizing Energy Efficiency in 5G Networks: AI-Driven Innovations in RF Circuit Design	M.Jagadeesh Chandra Prasad, Harchana Bhoopathi, K.Vasanth Kumar, Suganya Devi C R, Jayapal Lande, ArulRaj S
04.08 pm	25CHEC 2068	Musical Guitar Tuning Using Machine Learning Approach for Custom Data using FFT and MFCC	Shashidhar R, Yash P Jain, Rahul V Tirlapur, Prakash Srivastava, Chander Prabha, Niranjun Athreya M
04.20 pm	25CHEC 2071	Design Of Tri-Polarized Microstrip Patch Antennas For X-Band Applications	Y Chalapathi Rao, Vemparala Sai Naga Sri Samhitha, B L S Lokesh, B Lakshmi Madhuri

Session 10: EE01 (ONLINE)

Date: 09.01.2025

Time: 02.20 pm to 04.30 pm

Session Co-ordinator: Prof. Simardeep Kaur, Shri Shankaracharya Technical Campus, Bhilai

Session Chair:

1. Dr. Shimpy Ralhan, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Naveen Goel, Samrat Ashok Technological Institute Polytechnic

Google meet link: <https://meet.google.com/gtf-gdrb-htf>

Time	Paper ID	Paper Title	Author Name(s)
02.20 pm	25CHEE 1033	Advanced Methods for Image Segmentation and Data Clustering: Applications in Medical Imaging and Real Estate	Jayasree K R, Gopalam Rahul Malik, Vivek. A
02.32 pm	25CHEE 1036	Enhancing Distribution System Efficiency Through Vector Space Control of Power Inverters for Improved Power Factor	Adrian Mullo, Manuel Jaramillo, Diego Carrion
02.44 pm	25CHEE 1037	Design and Analysis of a Boost Type Nine-Level Inverter with Reduced Switch and Capacitor Voltage Stress	Harsha Gobinath, Saivarshini R, Gopinath N P, Kannan Manickam, Prakash Shunmugam
02.56 pm	25CHEE 1040	Design and Implementation for Performance Evaluation of a Compensated PWM Inverter	Bommegowda K B, Durga Prasad, Rakshith B
03.08 pm	25CHEE 1047	Fuzzy –Random Forest Predictive Models for Improvement of Sugarcane Yield and Quality	Gowri Shankar D, Jayaparvathy R
03.20 pm	25CHEE 1048	Investigation of optoelectronic properties of $\text{Na}_2\text{AgBiBr}_6$: A solar cell material	Hansraj Karwasara, Nidhi Choudhary, Kishor Kumar, Jagrati Sahariya, Amit Soni
03.32 pm	25CHEE 1051	Minimizing Energy Mismatch in Electric Vehicle Batteries with the Osprey Optimization Algorithm: A Novel Approach to SOC and Range Enhancement	Chodagam Srinivas, Ibrahim Zafar, C Sravani, K Lalitha, N Sunil Kumar Reddy, K Chandu Babu
03.44 pm	25CHEE 1054	Performing Digital Simulation on Induction Machine in Both Motoring and Generating Mode of Operation- A Case Study	Ghousul Azam Shaik, Lakshmi Devi Aithepalli
03.56 pm	25CHEE 1055	Enhancement of Improving Power Quality using Solar PV Novel Shunt Active Power Filter and advanced MPPT Algorithms	Mohammed Zaid Khan, Seema Agrawal
04.08 pm	25CHEE 1058	Deep Learning in Solar Panel Maintenance: A Model Comparison for Automated Cleaning	Varikuti Sai Soumya Reddy, A Sreejagathi, S Mullai Venthan, and P Vijayakumar

Session 11: CS07 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Prof. Neetish Kumar Chandrakar, Shri Shankaracharya Technical Campus

Session Chair(s):

1. Dr. Abha Choubey, Shri Shankaracharya Technical Campus
2. Dr. Neha Gupta, Symbiosis University of Applied Sciences, Indore.

Google meet link: <https://meet.google.com/zjm-ccrd-vva>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHCS 6010	Optimization of Sale Forecasting Using Machine Learning	Deeptanshu Dwivedi, Viraj Sanadhya, Shoma Awasthi, Abhay Saxena
10.42 am	25CHCS 6014	AI-Enabled Muscle Oxygen Sensors for Personalized Exercise Intensity Monitoring and Recovery Analysis	K.Balachander, K.Balasubadra, Bharat Tidke, Sree Southry S, B Meenakshi, S. Murugan
10.54 am	25CHCS 6021	Enhancing Tax Revenue Forecasting Using CapsNet and CNV in Cryptocurrency-Driven Economics	Richa Mehta, Raghuveer Katragadda, Atluri Sree Ram, P. Pirakatheeswari, Bakkala Santha Kumar, Bhavani P
11.06 am	25CHCS 6022	Enhancing Corporate Tax Compliance and Fraud Detection Using Principal Component Analysis and Auto-Encoder	J V Naga Ramesh, Jagbir Singh Kadyan, Sunil Kadyan, Omar Mohsen Hussein, Ganesh Ramesh Teltumbade, Ponni Valavan M
11.18 am	25CHCS 6036	Enhancing Loan Default Prediction with Human-in-the-Loop and XGBoost Ensemble Learning	Shamim Ahmad Khan, Rahama Salman, Al-Hussein Maysir Majid, M. Mythili, Malik Bader Alazzam, Ponni Valavan M
11.30 am	25CHCS 6039	Optimizing Soccer Match Prediction with Deep Convolutional Neural Networks and Grey Wolf Optimization	Tushar Dhar Shukla, V.Kanpur Rani, Indrajeet Kumar, Omar Mohsen Hussein, Shaik Balkhis Banu, Bhavani P
11.42 am	25CHCS 6052	CNN LIPNET : Automated Lip Reading Using Deep Convolutional Neural Networks	V P V Datta Ganesh, O Sai Likith Kumar, P Jithendra, S Satheesh Kumar
11.54 am	25CHCS 6059	Optimization of parameters of the OWC wave energy converter device using a Machine learning approach	Kush Karnavat, Nilansh Vadodaria, Kshma Trivedi, Prashant Patel
12.06 pm	25CHCS 6060	Prediction of Covid -19 and Omicron data with ESPRINT, ERF, CSDLM and HMC-19HRP Models	V.Ramya, K.S.Thirunavukkarasu
12.18 pm	25CHCS 6062	Pelvic Uretero Junction Obstruction Detection Using Machine Learning Algorithm	Divya Mohan, Aryan Dayalani, Vimanyu Jain
12.30 pm	25CHCS 6067	Diabetic Nephropathy Detection and Prevention A Machine Learning Approach	Apoorva.A , Ch.Nanda Krishna, E.S.Chaitanya Swamy

Session 12: CS08 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Ms. Archana Senapati, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Megha Mishra, , Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Dipti Chauhan, Prestige Institute of Engineering Management & Research, Indore

Google meet link: <https://meet.google.com/qxd-dzdh-tqh>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHCS 6069	Hand writing based personality prediction using Adaptive Deep Convolutional Recurrent Neural Network	Puttaswamy B S, N Thillaiarasu
10.42 am	25CHCS 6074	Cryptography using Quantum Key Distribution (QKD)	Paurav Goel, Banisha Sharma, Promptucs Garnagee Jackson
10.54 am	25CHCS 6075	Bipolar Pythagorean Fuzzy Matrix And It's Application	K.Lalitha, V.Sivasankari, S.Sarguna
11.06 am	25CHCS 6077	Optimization of Ag-Loaded BiFeO ₃ /CuS Photocatalysts for Enhanced Antibiotic Degradation Using Random Forest and Genetic Algorithms	A. Sridharan, RVS Praveen, Raj Kumar Gupta, Pappu Kumar, Prasanna Kumara S G, M Anusuya
11.18 am	25CHCS 6089	Optimized ANFIS Controller based 5 level MLI with PV integrated grid tied power quality enhancement	Rekha B, H R Ramesh
11.30 am	25CHCS 7008	Optimized method for prediction and recommendation of various types of crops using Fusion Ensemble Learning Crop Recommendation Model	K. Komala Devi, Josephine Prem Kumar, Sourav Karanth
11.42 am	25CHCS 7013	Color Image Encryption Using Novel 5D Piecewise Map	Bharti Salunke, Sharad Salunke
11.54 am	25CHCS 7015	Decryption Algorithm to Unveil the Cybernetic Veil Using Fernet64's Cryptographic Cloak: Semantic Encryption-Decryption Method	Sireesha Kadiri, Vettrithangam D, Amit Majumder, J L Sarwani Theeparthi, S. Kaliappan, S.Rukmani Devi
12.06 pm	25CHCS 7016	AI Powered Behavioral and Environmental Analytics for Enhancing Safety in Automotive Cabin Environment	Antima, Vettrithangam D, Amit Majumder, Surisetty Madhuri, S. Rukmani Devi, Nirmal M.D
12.18 pm	25CHCS 7021	Enhancing Driving Cycle Development in the Automotive Industry: The Role of Short Cycle Times in Achieving Quick Feedback Loop Control	Arun Kumar Subramaniam, Siti Norbakyah Jabar, Salisa Abdul Rahman
12.30 pm	25CHCS 7027	Optimized Model Performance in Tuberculosis Detection through Class-Balanced Dataset and Early Stopping Techniques	R Shiva Shankar, Ivaturi Phani Bhaskara Praveen, K Amrutha, K Sravani, VVR Maheswara Rao, N. Silpa

Session 13: CS09 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Prof. Rajeshwar Dewangan, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Ajay Verma, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. V.J.Chakkravarthy, Dr. M.G.R. Educational and Research Institute, Chennai

Google meet link: <https://meet.google.com/trq-ydfd-xgw>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHCS 7031	Exploring Hybrid Classifiers Through Stacking and Voting Ensembles for Robust Multilingual Spam Classification	P.L.R.Kameswari, P.R.Sudha Rani
10.42 am	25CHCS 5037	Privacy Preservation of Cluster Integrity on Web-Scraped Hospital Data	Hrishik Sai Bojnal, Dharmisht SVK, J Krishna Kaarthik, Dhyaan Kotian, Shashidhar Virupaksha
10.54 am	25CHCS 7035	Artificial Intelligence in Financial Derivatives: A Comparative Analysis of PSO and ACO for American-Style Put Options	Afroza Akter, Salma Parvin, A B M Shahadat Hossain, MD Morshedul Islam
11.06 am	25CHCS 7036	Multi-Camera Trajectory Based Vehicle Re-Identification for Robust Traffic Monitoring	R.Athilakshmi, Emandi Venkata Sanjeevi Sai Prasanna, Syed Yasir
11.18 am	25CHCS 7039	An Explainable AI-Driven Hybrid Model for Enhanced Intrusion Detection in Network Security	Harsha Garikapati, Kausik Challapalli, Sai Venkat Ramineni, Veera Manikanta Sai Adusumilli, Roop Sai Charan kothamasu, Satish Anamalamudi.
11.30 am	25CHCS 7040	Optimized Hybrid Cryptographic Technique using Symmetric and Asymmetric Encryption for Cloud Computing	Suresh R, T. R. Nisha Dayana
11.42 am	25CHCS 7047	Bit Manipulation Based Data Transformation Approach for Privacy Preservation in Data Mining	Karthikeyan.B, Keerthinath.R, Arunprasad.P, Bala Krishnan.R, Rajesh Kumar.N, Manikandan.G
11.54 am	25CHCS 7053	Optimization of Insurance Claim Cost Prediction Through Health Data and Machine Learning	Shivram Mohan, Sanidhya Sharma, Sonali Agrawal, Kamatchi S
12.06 pm	25CHCS 7054	Predictive Analytics for Power Transformers and Energy Consumption using Machine Learning Approaches	Libina M, Aswin R, Mohamed Imthiyas M
12.18 pm	25CHCS 7058	Integrating ASR and RoBERTa for Automated Oral English Proficiency Scoring	Soma Sircar Dasgupta, Yaisna Rajkumari, Freeda Rajakumari, K.M.Madhumitha, T.Jayasudha, Sreela B
12.30 pm	25CHCS 7066	Optimization of Energy Management in Electric vehicle using AI	D. Sungeetha, K. Malarkodi , P. Murali, P. Princy Magdaline, Steffy Gran J, S. Anuradha

Session 14: CS10 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Ms. Veenita Swarnkar, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Achala Jain, Shri Shankaracharya Technical Campus, Bhilai
2. Dr.S.Kayalvili, Kongu Engineering College, Erode

Google meet link: <https://meet.google.com/vfp-jrkq-eiz>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHCS 7067	Enhanced Security Through Honeywords and Video CAPTCHA: An Innovative Authentication and Tracking Mechanism	Madhuri Gurale, Komal Borate, Rachana R. Sangitrao, Garima Tiwari
10.42 am	25CHCS 7069	Algorithm of Double Roman Domination Number in Some Chemical Graphs.	J. Meena, T. N. M. Malini Mai
10.54 am	25CHCS 7070	Modular Multiplicative Divisor Labeling Techniques for Efficient Minimum Spanning Tree Computation in Jellyfish Graph using Kruskal Algorithm	P. Kalarani, R. Revathi
11.06 am	25CHCS 7072	Efficient Parking Space Detection with Multi-Scale Feature Networks and YOLOv5	Sudhanshu Ranjan, Krish Sen, Pulkit Dwivedi
11.18 am	25CHCS 7073	Real-Time Exercise Repetition Counting and Form Analysis using Mediapipe and Computer Vision	Krish Sen, Sudhanshu Ranjan, Pulkit Dwivedi
11.30 am	25CHCS 7074	Unveiling the Connection: Music Preferences and Mental Health Through Machine Learning Analysis	Karunya Thakeria, Kritika Jain, Khushi Sain, Ritu Rani, Arun Sharma, Rajiv Sharma
11.42 am	25CHCS 7076	Enhancing Spoken English Assessment Using Convolutional Recurrent Neural Networks	Md. Sahidul Islam, A. Sulochana, T. Sugadev, N. Sheik Hameed, S. Vijayakumar, M.K.Mohamed Faizal
11.54 am	25CHCS 7077	Improving Automated Assessment of English Spoken Discourse Using Transfer Learning Models- Wav2Vec 2.0	N. Sheik Hameed, S. Vijayakumar, K. Rajaraman, V. Vinod Kumar, Tamilarasan P, M.K.Mohamed Faizal
12.06 pm	25CHCS 7078	Development of an Arabic Sign Language Recognition System Utilizing Deep Convolutional Neural Networks	Meenal R Kale, Chamandeep Kaur, Indrajeet Kumar, Haider Sharif Mahdi, Vijay Uprikar, Sankari V
12.18 pm	25CHCS 7081	Real-Time Adjustment of Wheelchair Ergonomics and Comfort Using Cloud-Integrated GBM Techniques	K.Balasubadra, P.Sathyanathan, R.Aiyshwariya Devi, Bharat Tidke, T. R. GaneshBabu, S. Murugan
12.30 pm	25CHCS 7084	Similarity solutions of Shallow water wave equation	D. Indhumathy

Session 15: CS11 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Prof. Swati Verma, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Avinash Dhole, Shri Shankaracharya Technical Campus, Bhilai

Google meet link: <https://meet.google.com/zau-iwij-fti>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHCS 7085	Enhanced Facial Emotion Detection Using Convolutional Neural Networks And Attention Mechanisms	D. Indhumathy, S Yeswanth
10.42 am	25CHCS 7088	Skin Cancer Detection Using A Multi-Scale AI Deep Learning Approach	Narenthirakumar Appavu
10.54 am	25CHCS 7094	A Novel Weighted KNN Approach for Predicting Health Impacts Based on Air Quality Data	Vijayshri Khedkar, Nagagopiraju Vullam, Kasichainula Vydehi, V. Guru Kumar, A. Lakshmanarao, Mohan Ajmeera
11.06 am	25CHCS 7097	Enhancing Vehicle Ride Quality and Performance through Regressive Machine Learning-Based Adaptive Suspension Control	Prabu C R, Rahulkrishnan Ravindran, Katari Sai Abhiram Varma, Anjali T
11.18 am	25CHCS 7099	Hybrid Audio Watermarking Using Frequency-Time Features and Machine Learning for Enhanced Robustness Against Attacks	Sampada Vishwas Massey, Megha Mishra, Vishnu Kumar Mishra
11.30 am	25CHCS 8002	Improving Oxygen Delivery in Critical Care Transport with IoT and Logistic Regression Models	Chitra Sabapathy Ranganathan, H. Azath, A Bharath, G. Arunsankar, M. Rajmohan, S. Sujatha
11.42 am	25CHCS 8007	Avian Hazard Mitigation: A Classification Approach to Bird Strike Analysis	Najiba Said Hamed Al-Zadjali, Charles Savarimuthu, B. Sudaravadivazhagan, Emanuel O. Rances
11.54 am	25CHCS 8029	Wearable Assistive Device for Enhanced Navigation in Visually Impaired Individuals Using YOLO-Based Object Detection	Abhishek S. Rao, Ramaprasad Poojary, Karthik Pai B H, Rohan Arya A R, Utkarsh, Harsh Kumar, Darshan S and H Nagesh Shenoy
12.06 pm	25CHCS 8060	Performance Benchmarking of ML Models for Resource Constrained Devices	Sreeraj S, Hari Krishnan D
12.18 pm	25CHCS 8072	Leveraging Data Balancing and GlowGen Optimization for Effective Fraud Detection	K Amrutha, R Shiva Shankar, Ivaturi Phani Bhaskara Praveen, V MNSSVKR Gupta, VVR Maheswara Rao, N. Silpa
12.30 pm	25CHCS 8080	Energy-Efficient Autism Spectrum Disorder Data Collection Mechanism using Wireless Sensor Networks and Internet-of-Things	Vijaya Shetty S, Srujana.S.N, P. Ramesh Naidu, Jyoti Neeli, Sarojadevi H, Ramya Prakash

Session 16: CS12 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Prof. Chandrahas Sahu, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Samta Gajbhiye, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Rohit Raja, Guru Ghasidas Vishwavidyalaya, Bilaspur.

Google meet link: <https://meet.google.com/obf-nkrq-igc>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHCS 8090	Effectual Side Channel Attack Detection Using Convolutional Neural Network Optimized CMP-COA	Prasath Vijayan, Sudalaimuthu T
10.42 am	25CHCS 9018	PneumoAid: A Human-Centered AI Platform for Pneumonia Detection and Patient Support	Rishil Shajan, Maria Santhosh, Honey Joseph, Sajin Arjunan, Shaun Jacob Roy, Muhammed Yaseen H
10.54 am	25CHCS 9100	Cricket Shot Classification from Video Using Body Pose Landmarks	Chava Govardhana Rao, N Sai Harshith Varma, Kashish K C, Priyangshu Mazumder, Prema Ramasamy
11.06 am	25CHCS 9103	Impact of in-service defects in composite and porcelain disc insulators on flashover performance of HVAC strings	P Rajamani, G Ramesh, K Govardhanachari, K Devender Rao and T Bhavani Shanker
11.18 am	25CHCS 9112	IoT-Based Transfer Learning and Genetic Algorithm Approaches for Smart Environmental Pollution Detection and Management.	Shafqat Alauddin, Sree Vidhya S, S. Pragadeeswaran, P. Sowjanya, Rajashree Bhokare, Maaz Allah Khan
11.30 am	25CHCS 9116	Enhancing Real-Time Threat Detection with YOLOv8 and LSTM Integration for Intelligent Surveillance Systems	Prakash Chandra Behera, V.Kanpur Rani, Deepak Gupta, Noor Kaylan Hamid, Vuda Sreenivasa Rao, Dhaaraani R
11.42 am	25CHCS 9118	Transforming High Frequency Trading Predictions with CNN-LSTM Networks	S. Baghavathi Priya, Priyanga S, Sri Surya Shobith Kamisetty, Venkata Sai Vinay Neelapala, Nithila G
11.54 am	25CHCS 9119	Bipolar Fermatean Fuzzy Matrix and its Applications Based on Multi- criteria Decision Making Problems	K.Lalitha, S.Sathya, S.Sarguna
12.06 pm	25CHCS 9123	A novel approach to brain tumor detection using AI ML, DL, with synthetic data augmentation	Narenthirakumar Appavu
12.18 pm	25CHCS 9130	Natural Language Processing for Sentiment Analysis in ESL Writing: Understanding Emotional Tone in Learner Essays	M. Vinoth Kumar, Subuhi Kashif Ansari, Deepak Gupta, P.Kavitha, G.M. Prem Kumar, B Kiran Bala

Session 17: EC03 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Prof. Rahul Pandey, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. B.Keshav Rao, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. Kanwar Preet Kaur, Chandubhai S. Patel Institute of Technology (CSPIT)

Google meet link: <https://meet.google.com/rpg-ppdf-skg>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHEC 2072	An inverted T and C-shaped slots loaded with Substrate Integrated Waveguide (SIW) antenna for Wireless Applications	S.Janu Priya, R. Samson Daniel
10.42 am	25CHEC 2076	Performance Evaluation of Precise/Approximate Multipliers for Filter Applications	Yenimireddy Sandhya, Arun Sekar Rajasekaran, Aluvoju Vivek, J. Prasad, B Sivasankari, G. Sekar
10.54 am	25CHEC 2083	Hybrid CNN-LSTM Approach for Predicting and Analyzing Customer Churn in the Banking Sector	Amit Kaushik, Rahul Gupta, Ajay Singh, Hassan Safi Ahmed, Vuda Sreenivasa Rao, B.Anitha Vijayalakshmi
11.06 am	25CHEC 2082	Adversarial Artifact Removal: A GAN-Based Framework for Enhanced Image Quality and Reliability	Pournima Pande, M. Misba, Deepak Gupta, V.Kanpur Rani, Hassan Safi Ahmed, A.Balakumar
11.18 am	25CHEC 2089	Identification and Characterisation of Metal Breaks Utilising Chipless RFID Sensors within an IoT Framework	Harikrishnan A I, T. Mary Neebha, Sumi M
11.30 am	25CHEC 2092	Security Key Generation in SRAM based PUF for Cryptographic Applications	Pushpa Raikwal, Nipun Gupta, Nikhil Agarwal, Mahima Maheshwari, Neelam Dayal
11.42 am	25CHEC 2093	Design Guidelines for Voltage Doubler Circuits with Transmission Line Impedance Matching Networks for RFEH Applications	Imaculate Rosaline, Prasad Shastry
11.54 am	25CHEC 2097	Scalable Brain Stroke Prediction Using PySpark: A Big Data Approach	Rohit S Nair, Rahul Varma, Sampath, Ramu keerthana
12.06 pm	25CHEC 2098	Design of Compact Dual-Band Modified Slotted Circular Antenna for Body Area Networks	Sitharth K, Prasath VL, Sree Devi B, Mohan C
12.18 pm	25CHEC 3001	Design of a Wideband Square Shaped Split-Ring Resonator (SRR) for RF Harvesting	Sindhuja S, Versha Devi V V, Mohan C
12.30 pm	25CHEC 3002	Analysis of ML Models & Data Balancing Techniques for Medicare Fraud Using PySpark	Konduru Praveen Karthik, Taduvai Satvik Gupta, Doradla Kaushik, T. K. Ramesh

Session 18: EC04 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Dr. Tanu Rizvi, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Devanand Bhonsle, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. D. Vaithiyanathan, National Institute of Technology, Delhi

Google meet link: <https://meet.google.com/pkx-kqcz-nca>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHEC 3006	Efficient Siamese Network Based Approach for Multi-Class ECG Classification in Arrhythmia Detection	Lubaib P, Dhoulath Beegum J, Harishanker VS, Abhijith Harikumar, Ajul Anilkumar, Arjun PK
10.42 am	25CHEC 3014	High-Frequency Operations: Reflection Coefficients and Optimal Impedance Matching in Microstrip Patch Antennas	S Saranya, R Saravanakumar, Alamelu alias Rajasree S, M Vinoth, K Balaji, Sathish M
10.54 am	25CHEC 3017	Cloud based Proficient Cardiovascular Disease Prediction Using hybrid machine learning models	M. Lorate Shiny, Kalpana Murugan
11.06 am	25CHEC 3018	Implementation and Validation of Onset Prediction Model for Seizure Detection Using Machine Learning	Sandeep Kumar Saini, Garima Chandel
11.18 am	25CHEC 3020	Efficient Metasurface-Based Wireless Power Transfer System for ISM Band Applications	Shivarajnaathan M, Vignesh N, Siva T, Mohan C
11.30 am	25CHEC 3021	A New LDMOS structure using GaN with Improved Breakdown Voltage and Figure of Merit	Gurubrahmam Policharla, Sarada Musala, Michael Cholines Pedapudi, Manish Kumar Rai
11.42 am	25CHEC 3028	Meta-material Loaded Tapered Vivaldi Antenna Design for Ka-band Applications	Ritesh Kumar Kushwaha
11.54 am	25CHEC 3039	Performance comparison of various ALU Designs with High Speed Adders and Multipliers	Hemanth J, Dola Sanjay S
12.06 pm	25CHEC 3052	Design of T shaped slotted Microstrip Antenna with Truncated Corners for WLAN/C BAND/X Band Applications	Sudhakar. A, Murthy. GRS, Lakshmu Naidu. M, Naeema Nazar
12.18 pm	25CHEC 3055	Leveraging CNN for Accurate Hand Gesture Recognition	Kunal Thakur, Ashu Taneja
12.30 pm	25CHEC 3056	YOLOv8-Based Traffic Sign Detection for Autonomous Vehicles in Diverse Environments	Kunal Thakur, Ashu Taneja

Session 19: EE02 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Co-ordinator: Prof. Simardeep Kaur, Shri Shankaracharya Technical Campus, Bhilai

Session Chair(s):

1. Dr. Shimpy Ralhan, Shri Shankaracharya Technical Campus, Bhilai
2. Dr. K. Dhayalini, K. Ramakrishnan College of Engineering, Trichy

Google meet link: <https://meet.google.com/gtf-gdrb-htf>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHEE 1062	Advanced Clustering and Image Segmentation Techniques in CNNs: A Study of CIFAR-10, YOLOv3, and K-Means	Jayasree K R, Gopalam Rahul Malik, Vivek.A
10.42 am	25CHEE 1068	Current Actuated Islanding Detection Method Using Stockwell Transform and Current Change Rate	Kavita Kumari, Nagendra Kumar Swarnkar, Om Prakash Mahela
10.54 am	25CHEE 1070	Enhanced Economic Load Dispatch Using a Novel Optimization Approach: A Cost Minimization Perspective	V B Thurai Raaj, Chodagam Srinivas, A V Pavan Kumar, A.Venkata Subba Rao, V.Sindhuja, C.Venkata Navya
11.06 am	25CHEE 1073	Design of Wide Neural Network Model for Controlling Tunable LED luminaire (Neural Network based Luminaire Control)	Ancy Princia Aranha, Anna Merine George, Vedavyasa Kamath, Ciji Pearl Kurian, Padmashree K.S
11.18 am	25CHEE 1074	Design of a 12-Element MIMO Antenna Array System for 5G Mobile Handsets	Muhammad Y. Muhsin, Ghassan Nihad Jawad, Ali J. Salim, Zainab F. Mohammad, Hussam AL-Saedi, Jawad K. Ali
11.30 am	25CHEE 1083	Integrated Strategies for Developing Cost-Effective Hybrid Power Systems for Sustainable Energy Solutions	Venkatesh Kumar S, C. Kathirvel
11.42 am	25CHEE 1091	Voltage Stability Analysis of Distribution Network Using Artificial Neural Network	Reethu Dhanya, Jeevindu M., R. M. Shereef, Samina T
11.54 am	25CHEE 1092	Cost Minimization in Residential Hybrid Energy Systems Using Advanced Scheduling Algorithms	Chodagam Srinivas, A. V. Pavan Kumar, V Pranay Teja Reddy, B Pavan, K Himasagar Reddy, Y Yugandhar Reddy
12.06 pm	25CHEE 2012	Data-Driven Capacitor Placement for Power Loss Minimization: A Machine Learning Approach	M.Rama Prasad Reddy, Madana Boyana Hemanth Kumar, Golla Indra Kumar, M Chaitanya
12.18 pm	25CHEC 1020	Unveiling the Depths of Stromal Layer Analysis with Deep Learning: Harnessing Mobilenet V2 Algorithm for Comprehensive Insights	Kamireddy Vijay Chandra, C.V.Rambabu, D.Manju, N.Syamalad Poornaiah Billa

Session 20: CS13 (ONLINE)

Date: 10.01.2025

Time: 10.30 am to 12.40 pm

Session Chair: Dr. Ramya M

Google meet link: <https://meet.google.com/rwk-uyav-ayi>

Time	Paper ID	Paper Title	Author Name(s)
10.30 am	25CHEC 3065	Deep Learning and IoT-Enabled Framework for Accurate Classification and Monitoring of Alzheimer's Disease Based on EEG Signal Analysis	R.Sathish, R.Muthukumar, S.Karthikkumar, K Dhivya
10.54 am	25CHEC 3072	Deflection of light rays in electric field	Ghanshyam Jadhav
11.06 am	25CHEC 3074	Classical Explanation of Photoelectric Effect	Ghanshyam Jadhav
11.18 am	25CHCS 9282	Analysis of M/M/1 Queueing model with Backup server, Catastrophe and Reneging Customer	M. Seenivasan, R. Ramesh, R.Vijayalakshmi, F. Patricia, J. Shiny Epciya
11.30 am	25CHCS 9287	Single Server Markovian Queuing System with Working Vacations and Customer Impatience	M. Seenivasan, V. Anita, N. Sivasankari and K. Sakthivel
11.42 am	25CHCS 9291	CNN-Based Handwritten Recognition with Bilinear Interpolation	K.Anuradha, E. Mercy Beulah, T. Kiruba Devi, S. Nirmala Sugirtha Rajini, V J Chakravarthy
11.54 am	25CHCS 9293	Enhancing lung cancer classification using deep learning Architecture	Preetha G, S.Nirmala Sugirtha Rajini, R.Soundharya Devi, V J Chakravarthy