Chaitanya Bharathi Institute of Technology

Proceedings of 7th Research Day 2025

12 - 13 December 2025

Research & Development Centre
Research & Entrepreneurship Hub
Chaitanya Bharathi Institute of Technology
(Autonomous under UGC)
Affiliated to Osmania University
Hyderabad – 500075
Telangana State, INDIA
www.cbit.ac.in

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University

Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION 47 years

7th Research Day and Five International Conferences

12th - 13th December 2025

PROGRAMME SCHEDULE

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<tr><td>09:00 – 09:45</td><td colspan="2">Registration</td></tr>
<tr><td>10:00 – 11:15</td><td colspan="2">Inaugural Function</td></tr>
<tr><td>11:15 – 11:30</td><td colspan="2">High - Tea</td></tr>
<tr><td>11:30 – 11:45</td><td colspan="2">Opening of Research Day Exhibition – R & E Hub</td></tr>
<tr><td>11:45 – 12:30</td><td colspan="2">Keynote Address & Sessions at Respective Conferences
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<tr><td>12:30 – 13:30</td><td colspan="2">Lunch</td></tr>
<tr><td>13:30 – 15:00</td><td>Poster and Product Exhibition – R & E Hub</td><td>Session 1: Technical paper presentations at respective conferences (Off-Line)</td></tr>
<tr><td>15:00 – 15:15</td><td colspan="2">Tea Break</td></tr>
<tr><td>15:15 – 16:45</td><td>Poster and Product Exhibition – R & E Hub</td><td>Session 2: Technical paper presentations at respective conferences (Off-Line)</td></tr>
<tr><th colspan="3">Day 2 : 13th December 2025</th></tr>
<tr><td>09:30 – 11:00</td><td>Poster and Product Exhibition – R & E Hub</td><td>Session 3: Technical paper presentations at respective conferences (Off-Line)</td></tr>
<tr><td>11:00 – 11:15</td><td colspan="2">Tea Break</td></tr>
<tr><td>11:15 – 12:45</td><td>Poster and Product Exhibition – R & E Hub</td><td>Session 4: Technical paper presentations at respective conferences (Off-Line)</td></tr>
<tr><td>12:45 – 13:30</td><td colspan="2">Lunch</td></tr>
<tr><td>13:30 – 15:00</td><td colspan="2">Visit of Guests to Poster and Product Exhibition – R & E Hub</td></tr>
<tr><td>15:00 – 16:30</td><td colspan="2">Valedictory Function</td></tr>
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2nd International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE 2025)

Conference Title:	2nd International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE 2025)
Track	Electronics and Communication Engineering Track-I
Parallel Session	1
Time and Date	13.30 – 15.00 Hrs. and 12th December 2025
Venue	N-Block Seminar Hall
Chairs	Shakil Basha Pogaku, Technical Program Manager, The Boeing Co, Seattle, Washington, USA
Link (if online)	Offline Session

Time	Paper ID	Paper Title and Authors
13.30 - 13:40	ICETE-2025_102	**Skin Cancer Prediction using Image Segmentation and Machine Learning** Maznu Shaik*, Krishnaih Modugu, Kavitha E, Jayalakshmi A, G.V.S.S Rakshith, Sateesh Amarneni (Vidya Jyothi Institute of Technology Hyderabad, T.G, India)
13.40 - 13:50	ICETE-2025_235	**Analysis of the Fractal Antennas for High Frequency Applications Using Rogers Variant** Mohammed Abdul Nasar*, Harisha Karagappa, Mohammed Mansoor Al-Anqoodi, B. Khaleelu Rehman (University of Technology and Applied Sciences, Nizwa, Sultanate of Oman)
13.50 - 14:00	ICETE-2025_239	**VidSpeak+: Real-Time Speech-to-Speech Translation for Indian and Tribal Languages** Sugamya Katta, Chitrala Laxmidevi, Visishta, Karamtoth Saibaba* (Chaitanya Bharathi Institute of Technology, Hyderabad, India)
14.00-14.10	ICETE-2025_255	**Automatic Baby Cradle Using Raspberry Pi and Deep Learning** P. Greeshma*, G. Bharath, N. Sai Kiran, U. Appala Raju, G. Vallathan, B. Sumithra (Geethanjali College of Engineering & Technology)
14.10-14.20	ICETE-2025_257	**Deep Learning based Gradient Boosting Model for Telecom Customer Churn Prediction** B. Sanjusha*, G. Krishna Vamsi Varma, K. Karthik Reddy, D. Ramya, G. Vallathan, B. Sumithra (Geethanjali College of Engineering and Technology)
14.20-14.30	ICETE-2025_297	**Design and Analysis of a Low Power Edge Triggered Johnson Counter Using Transmission Gate D-Flipflops and Integrated Clock Gating** Pannala Jhansi*, Male Chiranjeevi Goud, Chanchala Pruthvi Raj, G. Ramachandra Kumar, G. Vallathan, M. Chathar Singh (Geethanjali College of Engineering & Technology, Hyderabad, India)
14.30-14.40	ICETE-2025_299	**Design and Implementation of Finite State Machine (FSM) based Smart Parking Meter** Angadi Vinay, K Uma Maneendra*, Ravela Praveen Kumar, G. Ramachandra Kumar, Kondapally Madhavara, M. Chathar Singh (Geethanjali College of Engineering & Technology, Hyderabad, India)

14.40-14.50	ICETE-2025_305	**ViewPulse: DistilBERT-Based Emotion Detection System for Real-Time Service Feedback and Advertisement Management** Budha Karthik Gouda, S. Siva Priyanka*, Divya Tulasi, Vasanth K, CV Narsimhulu (Chaitanya Bharathi Institute of Technology, Hyderabad, India)
14.50-15.00	ICETE-2025_306	**AISAAS – A Review on Effortless Execution Through Autonomous Agents: Trustless by Design** Swathi Tejah Yalla, Karath Vamsi V*, T.V.R. Charan, B. Swapna (Chaitanya Bharathi Institute of Technology, Hyderabad)
15.00-15.10	ICETE-2025_311	**A Low-Cost Educational Prototype of Laser-Based Li-Fi Text Transmission System Using Binary Encoding and Photodiode Reception** Akkineni Naga Svabhu*, Kalyan Kasturi, Cherukuri Shashwath, Vudukula Vineet, Souraja Mandal, B. Khaleelu Rehman (Koneru Lakshmaiah Education Foundation, Bowrampet, Hyderabad)

Conference Title:	2nd International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE 2025)
Track	Electronics and Communication Engineering Track-II
Parallel Session	2
Time and Date	15.15 – 16.45 Hrs. and 12th December 2025
Venue	N-Block Seminar Hall
Chairs	Prof. P. Naveen Kumar, Professor, Osmania University, India
Link (if online)	Offline Session

Time	Paper ID	Paper Title and Authors
15.15 - 15.25	ICETE-2025_195	**High-Speed, Pipelined ALU Design: A Comparative Survey of Approximate Computing on FPGA and ASIC Architectures** Varsha Tadi*, Aditi Battu, Iruvanti Sravani, M.L.N Acharyulu, Vivek Singh Kushwah (Chaitanya Bharathi Institute of Technology, Telangana, India)
15.25 - 15.35	ICETE-2025_238	**Non-Invasive Acoustic Biomarkers for Degenerative Disease: A Critical Review and Computational Roadmap for Speech-Based Neurodegeneration and Vibroarthrographic Osteoarthritis Detection** Srinivasulu Avvaru, Guthikonda Rekanth*, Anjali G, Y Dileep Kumar (VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Malla Reddy Engineering College for Women, Hyderabad, Mohan Babu University, Tirupati, Andhra Pradesh, India)
15.35 - 15.45	ICETE-2025_251	**A Cross Model Ensemble Learning Framework Using Clinical Biomarkers and Imaging Fusion** Punya Prabha, Tejaswini S, Sushma T V, Jaseema Feroze Mohideen*, Gowda N Yashaswini, Rhakia, Neha Channaiah, Ritika Putlur Dhanaraj (Ramaiah Institute of Technology, Bangalore, India, CMR Institute of Technology, Bangalore, Karnataka, India, Dayananda Sagar College of Engineering, Bangalore, Karnataka, India)
15.45- 15.55	ICETE-2025_254	**Smart Mining Helmet using Tinyyolov5n Lightgbm Fusion** Mohana Boddapu*, G. Srujan, Chandra, T. Akhila, N. Nagalakshumma, G. Vallathan, B. Sumithra (Geethanjali College of Engineering & Technology, Hyderabad, India)
15.55- 16.05	ICETE-2025_290	**A CMOS 90nm Double Tail Comparator Design in Cadence** S. Tarun Kumar*, M Raj Kumar Naik (Chaitanya Bharathi Institute of Technology, Hyderabad, India)
16.05- 16.15	ICETE-2025_298	**Design and Noise Analysis of 3-Stage CMOS Inverter using Cadence Virtuoso** Ruchika Akkela*, Ganesh, Bharadwaj, Jangam, Jamuna, Banoth, D. Madhavi Latha, G. Vallathan, G. Ramachandra Kumar (Geethanjali College of Engineering &Technology, Hyderabad, India)
16.15- 16.25	ICETE-2025_301	**Intelligent Appliance Management through Google Assistant and Real-Time Sensors**

		K. Bhargavi*, P. Srinivas Vardhan, R. Sardar, A.R.L. Padmaja, G. Vallathan, B. Sumithra (Geethanjali College of Engineering & Technology, Hyderabad, India)
16.25-16.35	ICETE-2025_312	**A Low Cost, IoMT Based Monitoring System for Covid Related Illnesses**
		Kalyan Kasturi, V. Kamalika, V. Sravani, K. SaiPriya, Varanasi Sreekar, Kari, Prudhvi Sai and Nettam Pranay Chowdary*, (Koneru Lakshmaiah Education Foundation, Bowrampet, Hyderabad, Nalla Malla Reddy Engineering College, Hyderabad)
16.35-16.45	ICETE-2025_318	**Implementation of 32-Bit MIPS Processor Using FPGA**
		Ardhanoor Charan Sai*, B. Khaleelu Rehman, Adepu Shashankh, Vishwa Charan Reddy, K. Chandra Babu (Chaitanya Bharathi Institute of Technology)

Conference Title:	2nd International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE 2025)
Track	Electronics and Communication Engineering Track-III
Parallel Session	3
Time and Date	09.30 – 11.00 Hrs. and 13th December 2025
Venue	N Block Seminar Hall
Chairs	Dr. D. Rama Krishna, Professor, Dept. of ECE, Osmania University
Link (if online)	https://meet.google.com/jox-wdmf-php

Time	Paper ID	Paper Title and Authors
09.30-09.40	ICETE-2025_106	**GSM based Electricity Reading Meter** Adline Jancy Y*, Sree Sudharsan S, Sanjith P, Sanjeev Krishnan R (Sri Ramakrishna Engineering College Coimbatore, India)
09.40-09.50	ICETE-2025_107	**Enhancing Email Security Through Machine Learning-Based Phishing Detection** B. Lava Kumar*, B. Uppalaiah P. Raju (Sree Vahini Institute of Science & Technology, Tiruvur, Andhrapradesh, India)
09.50-09.55	ICETE-2025_150	**Decentralized Identity Management using Blockchain Technology** Satyam Mishra*, Dhruv Sharma, Jai Kumar Vanjare, Shivam, Kareena, Ritika Choudhary (Chandigarh University Gharuan, India)
09.55-10.00	ICETE-2025_206	**Malicious URL Detection Using Machine Learning** P. Hema Sri*, A Koushik, D Pravalika, P. Munaswamy (Institute of Aeronautical Engineering, Hyderabad, India)
10.00-10.10	ICETE-2025_219	**Single-Stage DC-AC Converter of Quasi-Z-Source Inverter for Photovoltaic System** Tummapudi Suneel*, Somaroutu Pallavi Kanka Putlamma, Dudala Siri Chandana, Chirithoti Chandu, Pemma Akhila (Siddhartha Academy of Higher Education, Deemed to be University Vijayawada, AP, India)
10.10-10.20	ICETE-2025_224	**AI Augmented Precision Farming Using Big Data and Machine Learning** Yuvraj Tyagi*, Tanuja Dobal, Manvir Singh, Abhinandan Sharma, Sandep Kaur (Chandigarh University Mohali, Punjab, India)
10.20-10.30	ICETE-2025_237	**Chiron's Mandate: A Symbiotic Framework for Economic Cognition** B. Bhuvaneshwari, Sukirthana S, Sanjay ST*, Sylesh S, Suganthan S (Coimbatore Institute of Technology)
10.30-10.40	ICETE-2025_256	**A system of IoT devices to prevent overloading and underloading of wagons** A. Pravallika*, Munukuntla Harshitha, Nishanth Reddy (VNRVJIET, Hyderabad, India)
10.40-10.45	ICETE-2025_289	**Design And Implementation of a Memristor Based ALU Using the VTEAM Model** Eriki Sujith Sai, Vetriveeran Rajamani*, R. Santhosh Singh, P. Arihanth, Poongundran Selvaprabhu, B. Khaleelu Rehman (Vellore Institute of

		Technology, Vellore, Tamilnadu, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana)
10.45-10.50	ICETE-2025_308	**IoT-Based Urban Flood Level Monitoring in Low-Lying Areas**
		Divyansh Tiwari*, Harsh Gautam, Devansh Gupta (Chandigarh University, Gharuan, Mohali, Punjab, India)
10.50-10.55	ICETE-2025_310	**ML-Based Decipherable Computation of Global Warming Bumps on Agronomic Relevance**
		Sk. Abdul Pasha*, B. Uppalaiah (Sree Vahini Institute of Science & Technology Tiruvur, Andhrapradesh, India)
10.55-11.00	ICETE-2025_314	**AI-Powered Analytics Dashboard for School Performance Data**
		Anisha Saini, Aditi Ojha*, Muskan Kumari, Sakshi Kumari, Naveen Chander (Chandigarh University, Mohali, India)

Conference Title:	2nd International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE 2025)
Track	Electronics and Communication Engineering Track-IV
Parallel Session	4
Time and Date	11.15 – 12.45 Hrs. and 13th December 2025
Venue	N Block Seminar Hall
Chairs	Prof. Arindam Kushagra, Assistant Professor, Department of Electrical and Electronics Engineering, BITS, Pilani, Hyderabad
Link (if online)	Hybrid Session (https://meet.google.com/jzp-ztir-bhy)

Time	Paper ID	Paper Title and Authors
11.15-11.25	ICETE-2025_108	**Enhancing Security on Google Play: Detecting Fraud and Malware Applications** P Raju*, M. Mounika, B Lava Kumar (Sree Vahini Institute of Science & Technology, Tiruvur, Andhrapradesh, India)
11.25-11.35	ICETE-2025_189	**An overview of recent development in the congestion management of transmission side** Annu Dalal*, Sushil Kumar Gupta (DCRUST(Murthal), Haryana, India)
11.35-11.45	ICETE-2025_218	**Drone-Assisted Urban Heat Zone Mapping System for Smart City Environmental Monitoring** Anupam Sharma, Yash Mittal*, Abhinav Choudhar, Aman Kumar, Sumit sharma, Arpit Thakur (Chandigarh University Mohali, India)
11.45-11.55	ICETE-2025_222	**A Framework for Immutable Land Title Management using Non-Fungible Tokens on a Public Ledger** Ayush Mishra*, Dr Anuradha Misra (Amity University Uttar Pradesh, Lucknow, India)
11.55-12.05	ICETE-2025_236	**IoT-Enabled Smart Irrigation System with Solar Power and GSM Alerts for Efficient Water Management** Sugumaran Ganesan*, Sameeullah Kaja Hussnsin, Sivakumar, Muthusamy, Prasad Chandramohan, Vidhya Prakash Rajendran (University of Technology and Applied Sciences - Nizwa, Sultanate of Oman)
12.05-12.10	ICETE-2025_240	**Efficient Net-Powered Deep Learning System for Autism Image Detection** S. Siva Priyanka*, Radha S, Chelka Abhigna Patel, Rahul Tej Mora (Chaitanya Bharathi Institute of Technology, Hyderabad, India)
12.10-12.15	ICETE-2025_285	**Explainable AI-Driven Model for Phishing Website Detection and Interpretation** Shivani Sharma, Garv Kumar, Kamal Mehta*, Anshuman Raj, Nikhil Kumar, Piyush Prashar (Chandigarh University Mohali, India)
12.15-12.20	ICETE-2025_291	**Dual-Stage ASCII Character Encryption and Decryption Using Caesar Cipher and XOR Logic on FPGA**

		Aetipamula Gagandeep Sai*, B. Khaleelu Rehman, T. Syed Akheel, L Uma Maheshwari, Yatham Poojithai, Golla Praneeth (Chaitanya Bharathi Institute of Technology, Hyderabad, India)
12.20-12.25	ICETE-2025_292	**Dual Currency FPGA-Based Digital Vending Machine for Chips, Chocolate, Juice, and Water**
		Pratik Kumar*, Thakur Choudhary, Nikunj Goydani, Vetriveeran Rajamani, Poongundran Selvaprabhu (Vellore Institute of Technology, Vellore, Tamilnadu)
12.25-12.30	ICETE-2025_309	**Folded Ku-Band Electromagnetic Structure with Dual-Path Transmission Characteristics**
		Manish Mahajan*, D. K. Panda (Medicaps University Indore, Brainware University Kolkata)
12.30-12.35	ICETE-2025_313	**MATLAB - Based Windows Method for Designing FIR Digital Filters**
		Shrunga KS*, Sandra D' Souza (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)
12.35-12.45	ICETE-2025_317	**Saturation Based Image Dehazing Algorithm using VLSI Technology**
		D. Nagadevi*, Pyarla Chiranjeevi, Kanakala Avinash, Rommula Vijayendra Varma (Chaitanya Bharathi Institute of Technology, Hyderabad, India)

2nd International Conference on Power Energy and Secure Smart Technologies (ICPEST-2025)

Conference Title:	2nd International Conference on Power Energy and Secure Smart Technologies (ICPEST-2025)
Track	Interdisciplinary Track-1
Parallel Session	1
Time and Date	13:30 – 15:00 Hrs. and 12th December 2025
Venue	D Block Seminar Hall
Chair	Dr. Muthukumar Paramasivan, Professor, Electrical Science, Saveetha University, Chennai
Link (if online)	Offline

Time	Paper ID	Paper Title and Authors
13.30 - 13.40	11	**Foot Step Power Generation using Piezeo electric Sensors for Mobile Charging**
		Goriparthi Naga Lakshmi, Gandham Venkatasubbaiah, Gujjula Vennela*, Narayanam Mythreya Seshasai Bharadwaz (V R Siddhartha Engineering College)
13.40 - 13.50	13	**Advanced Electronic Device for Frequency Detection and Modulation to Relieve Tinnitus**
		Arun MV*, Akash S P, Jeffin Gracewell J (Saveetha engineering college)
13.50 - 14.00	18	**Sizing and Siting of Energy Storage System in a Military -Based Vehicle-to-Grid (V2G) Microgrid: A Comprehensive Review**
		Chigiri Sheetal*, M.P.R. Prasad, Ram Krishan (Central University of Karnataka)
14.00 - 14.10	30	**A Novel Delay-Equalized Carry-Save Multiplier Realized Through Cadence Custom Design Flow for High-Performance DSP Application**
		M.Perarasi*, B.Sarala, N. Raghunathan, S. Priyadharshini, M. Nivedha (SASTRA DEEMED UNIVERSITY)
14.10 - 14.20	32	**Hybrid Deep Learning Approaches for Zero-Day Attack Detection in Cloud Environments**
		Anwesa Naskar, Sayanti Mukherjee, Supratik Chatterjee, Nilendu Rakshit, Bibekananda Mondal and Sudipta Hazra* (MCKV Institute of Engineering, Howrah)
14.20 – 14.30	26	**Hydrogen Integrated Electric Hybrid Vehicles – A Review**
		P.V.R.Ravindra Reddy*, M.Balasubbareddy, V. Disharani, Rahul, A.Kiran Kumar (Chaitanya Bharathi Institute of Technology)
14.30 – 14.40	27	**Integrating Robotics into Education: A Comprehensive State-of-the-Art Review**
		Balasubbareddy Mallala*, P.V.R.Ravindra Reddy, Kowstubha Palle, T. Sukanth (Chaitanya Bharathi Institute of Technology)

Conference Title:	2nd International Conference on Power Energy and Secure Smart Technologies (ICPEST-2025)
Track	Interdisciplinary Track-2
Parallel Session	2
Time and Date	15:15 – 16:45 Hrs. and 12th December 2025
Venue	D Block Seminar Hall
Chair	Dr. B. Mangu, Professor & Vice-Principal, Department of Electrical Engineering, University College of Engineering(A), Osmania University, Hyderabad
Link (if online)	Offline

Time	Paper ID	Paper Title and Authors
15.15 - 15.25	55	**Performance Analysis of Improved High Step-Up Luo Converter for WECS** T Baldwin Immanuel, M Rajavelan, P Rathnavel, T Beni Steena, Muthukumar Paramasivan* (Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences)
15.25 - 15.35	56	**Integrated Planning of Electric Vehicle Charging Infrastructure Considering Spatial Optimization, Queuing Reliability, and Renewable Microgrid Integration** T Baldwin Immanuel, M Rajavelan, P Rathnavel, T Beni Steena, Muthukumar Paramasivan* (Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences)
15.35 - 15.45	48	**AI-Based Remote Sensing Analysis for Environmental Monitoring** Aslam B Nandyal, Vivek Laxmikantrao Kulkarni*, Yuvaraj K. K., Vishwas R P, Navya K P (Alva's Institute of Engineering and Technology)
15.45 – 15.55	77	**Coordinated Scheduling of Renewable-Integrated EV Charging Stations Using HPOA for Distribution Grid and User Profits** T. Yuvaraj*, Belqasem Aljafari, (Centre for Smart Energy Systems, Chennai Institute of Technology, Chennai) (Electrical Engineering Department, College of Engineering, Najran University, Saudi Arabia)
15.55 – 16.05	78	**Demand Response–Enabled Peer-to-Peer Energy Trading for Prosumers and Consumers in an IEEE 12-Bus Distribution Network** T. Yuvaraj*, M. Thirumalai, Savitha Venkatesan. (Centre for Smart Energy Systems, Chennai Institute of Technology, Chennai, India.)
16.05 – 16.15	72	**Transient Energy Transform based fault detection during Power Swings** Kumarraja Andanapalli*, Sk Nazeer, Srinivas Vudumudi, Suresh Etukuri, Bhanu chandar Yenugu, Sudharani Bhupathiraju (SRKR Engineering College, Andhra Pradesh)
16.15 – 16.25	73	**Fault-Tolerant Single-Input Dual-Output DC–DC Converter with Reduced Component Count for Electric Vehicle Applications**

		Nurhakimah Mohd Mukhtar*, (Center of Excellence for Renewable Energy (CERE), Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia)
16.25 – 16.35	74	**Non-Isolated High Gain DC–DC Converter with Reduced Device Stress and Part Count for Fuel Cell Vehicle Applications**
		Belqasem Aljafari*, Najran University, Najran, Saudi Arabia

Conference Title:	2nd International Conference on Power Energy and Secure Smart Technologies (ICPEST-2025)
Track	Interdisciplinary Track-3
Parallel Session	3
Time and Date	09:30 – 11:00 Hrs. and 13th December 2025
Venue	D Block Seminar Hall
Chair	Prof. P. Satish Kumar, Head, Department of Electrical Engineering, University College of Engineering, Osmania University, Former Director, RGUKT Basar (IIIT Basar)
Link (if online)	Offline

Time	Paper ID	Paper Title and Authors
09.30 - 09.40	54	**Graphene-Based Wearable Biosensor for Non-Invasive Detection of hormones via Smartwatches** Nagadevi D, Vasist Vikas Reddy T, Harshith Varma U, Srikar Reddy S, Maneesh Reddy Venumbaka, Saravanan Gengan, Selvakumar Duraisamy and Bhanu Chandra Marepally* (Chaitanya Bharathi Institute of Technology)
09.40 - 09.50	57	**Realistic mmWave Channel Simulation for V2X Applications in Indian Urban Canyons using 3GPP TR 38.901** Dr. Vinodh Kumar Minchula* (Chaitanya Bharathi Institute of Technology)
09.50 - 10.00	31	**Fuzzy Logic-Assisted Dynamic Voltage Compensation Using D-STATCOM in Distribution Networks** Namburi Nireekshana* (Methodist College of Engineering and Technology, Telangana)
10.00– 10.10	21	**Microcontroller based Auto Control of Stand-by Transformer** Pranav Illinda*, Saiteja Kothakonda (Chaitanya Bharathi Institute of Technology)
10.10– 10.20	24	**Optimizing EV Charging Schedules with Hybrid Deep Learning** Swamy Keerthi Naga Akshay, Mr. Sama Sudheer Reddy, Moogala Sai Ram*, Dudgundi Sai Samrat (Institute of Aeronautical Engineering, Telangana)
10.20– 10.30	33	**Design of an Electric Bicycle with Bidirectional Energy Transfer** Desala Rajesh, Karuppiah Natarajan, Patil Mounica*, B. Praveen Kumar (Vardhaman College of engineering, Telangana)
10.30– 10.40	53	**Smart Energy Meter and Energy Theft Detection Systen Using GPS and GSM Technologies** Patil Mounica*, Vyshnavi, Manideep S, Pramod G, karuppiah N, Ravivarman S (Vardhaman College of engineering, Telangana)
10.40– 10.50	5	**A Review on Automated AI Scientists: Frameworks, Challenges, and Future Directions** Anish Reddy, Sridevi Mupparaju*, Varun Bhargav, Sheena Mohammed (Chaitanya Bharathi Institute of Technology)

3rd International Conference on Developments in Sustainable Materials, IoT & Robotics, Manufacturing and Energy Engineering (ICDSMIME-2025)

Conference Title:	3rd International Conference on Developments in Sustainable Materials, IoT & Robotics, Manufacturing and Energy Engineering (ICDSMIME-2025)
Track	Design and Manufacturing
Parallel Session	1
Time and Date	13.30 – 15.00 Hrs. and 12th December 2025
Venue	D-block MED seminar Hall, #102
Chairs	Dr. G Chandra Mohan Reddy, Principal MGIT Dr. PVR Ravindra Reddy, CBIT, Hyderabad
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m79e00bd9eeef38a9594a7b4715c36cd8

Time	Paper ID	Paper Title and Authors
13.30 - 13:40	2025103	**ANN Model for Fatigue Life Prediction of Carbon/Glass Fiber Reinforced Nanoclay Modified Polymer Composites** Elamvazhudi Balasubramaniyan*, Kulothungan Subramaniyan, Rajkumar Kothandaraman, Jaya Nithish Jaishankar, Thamarai Selvan Thangarasu, IFET College of Engineering, Tamilnadu
13.40 - 13:50	2025105	**Integrating Finite Element Method with Indian Knowledge System** Pullela Rama Lakshmi*, Samavedam Santhi, Gotluru Suresh Babu, Pinninti Ravinder Reddy, *Chaitanya Bharathi Institute of Institute of Technology
13.50 - 14:00	2025107	**Effect of post weld Heat Treatment on Microstructure and Microhardness of Electron Beam Welded Low Alloy Steel** Vijaya L. Manugula*, G. Chandra Mohan Reddy, Mahatma Gandhi Institute of Technology, Hyderabad
14.00-14.10	2025108	**Anti-Locking System for Living Being Life Protection in Stationary Vehicle** Dinesh Sharma*, M. Eshwar, P.V.Prasad Reddy, M. Yadi Reddy , S. Madhava Reddy , Mahatma Gandhi Institute of Technology, Hyderabad
14.10-14.20	2025109	**Analytical Prediction of Drawing force for Elliptical Deep drawn Cup** G Kishan, B.V.S. Rao*, University College of Engineering &Technology for Women, Kakatiya University, Warangal, Chaitanya Bharathi Institute of Technology, Hyderabad
14.20-14.30	2025111	**Engineering the Invisible: Nano scale Material Manipulation and Nanofabrication- A Critical Review** G. Sailaja*, Arshad Mohammed, G.Prasanna Kumar, V.Suvarna Kumar, Raju Muthyala, MJCET, Hyderabad, SriVenkateswara Engineering College, Suryapet, Telangana.
14.30-14.40	2025113	**Friction Stir Welding on AA 6082 T6 Aluminum Plates: Microstructural and Mechanical Evaluation** N. Raghava*, R. Satyasai, P. Prabhakar Reddy, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad

14.40-14.50	**2025114**	**Finite Element Analysis of Automobile Bumper Impact Resistant Under Repeated and Oblique Collisions**
		Arram Sriveni, Kannoju Aawish, Dasari Prachith Kumar*, Ch. Indira Priyadarshini, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
14.50-15.00	**2025118**	**Characterization And Analysis of Tungsten Carbide Machining Tool Mfg**
		R. Uday Kumar*, Ajay Kumar S, Mahatma Gandhi Institute of Technology, Hyderabad
15.00-15.10	**2025121**	**Performance-Optimized Design of a Spring-Assisted Slider-Crank Mechanism for Rowing Simulators using MATLAB Mfg**
		Artham Hemanth *, G Vijay Kumar, K Hari Prashanth, B Dhanraj, Vardhaman College of Engineering, Hyderabad
15.10-15.20	**2025128**	**Design and Analysis of Morphing Winglet**
		M. Ranateja*, TRD Prabhas, S. Srujan, P. Kiran Kumar Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
15.20-15.30	**2025131**	**Design and Fabrication of Mechanically Automated Sustainable Toilet Flushing System**
		A Jitin Karthik*, D Rohan, Y Anjan Kumar, P Anjani Devi Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
15.30-15.40	**2025137**	**Effect of Process Parameters on Tensile Strength and Penetration Depth in Shielded Metal Arc Welding of Mild Steel**
		Thammishetti Gayathri, Gayathri Nenavath, Resu Pravalika, Md Aleem pasha, V. Jaipal Reddy*, Chaitanya Bharathi Institute of Technology, Telangana, India

Conference Title:	3rd International Conference on Developments in Sustainable Materials, IoT & Robotics, Manufacturing and Energy Engineering (ICDSMIME-2025)
Track	IoT and Robotics
Parallel Session	2
Time and Date	15.15 – 16.45 Hrs. and 12th December 2025
Venue	D-block MED seminar Hall, #102
Chairs	Ms. Battula Sindhuri, IT Business analyst, NC, USA Dr. Venkata Sushma Chinta, CBIT, Hyderabad
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m79e00bd9eeef38a9594a7b4715c36cd8

Time	Paper ID	Paper Title and Authors
15.15 - 15.25	2025102	**Enhancing Safety and Efficiency of Sample Collecting Bot Through GPS Tracking and Surveillance IOT** S. Shivakumar*, Boda Devender, P.V.R Ravindra Reddy, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad
15.25 - 15.35	2025112	**AI-Driven Automation for India's MSME Sector: Opportunities and Challenges IOT** Sruthi Shanker Pydimarry, Case Western Reserve University, B.V.S.Rao*, Chaitanya Bharathi Institute of Technology
15.35 - 15.45	2025122	**Design Thinking in the Age of AI: Synergizing Human-Centered Innovation with Artificial Intelligence** Dr. B V S Rao, Manaswini Gatika*, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad
15.45-15.55	2025119	**A Study of Frequency and Dimension Variation of FinFET Multiplexer which is used in IOT devices** A. Navaneetha*, Dr. Kiran Kumar Amireddy, Venkata Sushma Chinta, Sharath Reddy, Mahatma Gandhi Institute of Technology.
15.55-16.05	2025124	**Leveraging Agentic AI To Optimize Hospital Operations and Clinical Decision Making** Allakonda Nichitha, Gadagotti Harika, V. Deekshitha, B. Veera Jyothi*, Chaitanya Bharathi Institute of Technology, Hyderabad
16.05-16.15	2025126	**A Comparative Analysis of Machine Learning Methods for Predicting Mechanical Properties of Dual Extruded FDM 3D Printed ABS/CFPLA composite** L. Sandeep*, K. Meher Pavan, V. Uday Kiran, D. Sita Madhuri, Chaitanya Bharathi Institute of Technology, Hyderabad.
16.15-16.25	2025133	**Analytical Simulation on the Effect of Air Velocity and Angle of Attack on an Aerofoil for De-Icing Using Piezoelectric Actuators** K. Salman Raju*, A. Sam Nischal, M. Saharsh Reddy, K. Gurubrahmam, Chaitanya Bharathi Institute of Technology, Hyderabad.
16.25-16.35	2025138	**Real-Time Environmental Data Acquisition With Arduino** Sindhu Battula*, IT Business analyst, Bank of America, Charlotte, Garikapati Swetha, Balaji's High Field School, Vizag.

Conference Title:	3rd International Conference on Developments in Sustainable Materials, IoT & Robotics, Manufacturing and Energy Engineering (ICDSMIME-2025)
Track	Sustainable Materials
Parallel Session	3
Time and Date	09.30 – 11.00 Hrs. and 13th December 2025
Venue	D-block MED seminar Hall, #102
Chairs	Mr. Kota Sri Harsha Reddy, Adikavi Nannayaa University Dr. V. Jaipal Reddy, CBIT, Hyderabad
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m79e00bd9eeef38a9594a7b4715c36cd8

Time	Paper ID	Paper Title and Authors
09.30-09.40	2025120	**Influence of Alccofine and Waste Foundry Sand on the Strength and Durability of Concrete** Danuka Preetham, Thunuguntla Chaitanya Srikrishna*, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad
09.40-09.50	2025123	**Evaluation of Solid Lubricant Performance in Turning of AISI 1040 Steel: A Comparison of Finite Element and Experimental Analyses** Rakesh Kumar Gunda*, Gangireddy Chandra Mohan Reddy, Kplipakula Venkata Kasi Viswanadham, Mahatma Gandhi Institute of Technology, Hyderabad
09.50-10.00	2025125	**A Tribological Study of epoxy glass Nanocomposites -A review** CH. Rishika Mohana, P. Gowtham*, P. Anjani Devi, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad
10.00-10.10	2025127	**Material Selection and Mechanical Performance of ABS, PETG and Composite Filaments in FDM Additive Manufacturing** Amanda Madhuri, Kolan Aishwarya, Vajrala Sai Rahul Reddy*, Ipsita Mohanty, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad
10.10-10.20	2025130	**A review on High performance coating techniques: strategies for wear, corrosion and thermal resistance enhancement** Mohd Hasnain Ali Quadri, Mohammed Suleman, Mohammed Mastana Parvez Shaik, Rakesh Kumar Gunda*, ChandraMohan Reddy Gangireddy, Mahatma Gandhi Institute of Technology, Hyderabad
10.20-10.30	2025132	**Detection and Characterization of Delamination in Layered Media Using Phased Array Ultrasonic Testing" materials** D. Chandhan, K. Sathwik, D. Nithin Kumar, Kiran Kumar Amireddy*, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Rishikesh Takkala, Senior Software Engineer, Skyler Infosystems INC.,101 Park Avenue, Suite 1300, Oklahoma City, Oklahoma

Conference Title:	3rd International Conference on Developments in Sustainable Materials, IoT & Robotics, Manufacturing and Energy Engineering (ICDSMIME-2025)
Track	Energy Engineering
Parallel Session	4
Time and Date	11.15 – 12.45 Hrs. and 13th December 2025
Venue	D-block MED seminar Hall, #102
Chairs	Mr Rajasekar Reddy, Renewsys, Hyderabad Dr. Guru Brahamam, CBIT Hyderabad
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m79e00bd9eeef38a9594a7b4715c36cd8

Time	Paper ID	Paper Title and Authors
11.15-11.25	2025101	**Enhancing the sustainability of microalgal biofuels through innovative emerging technologies**
		Kumar Gaurav*, Amity Institute of Biotechnology, Amity University Haryana, Gurugram
11.25-11.35	2025104	**Study on Performance Assessment of Biomass-Based Decentralised Power Generation in Indian Rural Electrification**
		Shaik Farhaan*, Sameer Ahmed Khan, G. Dileep, Ch. Indira Priyadarshini, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
11.35-11.45	2025106	**Fe-Doped Orange Peel Biochar with MnO2 Nanoparticles for High-Performance Microbial Fuel Cell Electrodes**
		M Mukunda Vani, Jyoti Pasrija*, Rallabandi Pattabhi Ramaraju, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
11.45-11.55	2025110	**Design and Analysis of Earth Air Heat Exchanger**
		K. Munna Kiran*, Saba Iram, P. Anjani Devi, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
11.55-12.05	2025115	**Beneficiation of Rare Earth Minerals by High Gradient Magnetic Separation**
		G Mahesh Babu*, G Pallavi, Sayooj, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
12.05-12.15	2025116	**Thermal Performance Evaluation of Engine Cylinder Fins with Varying Shapes and Aluminium Alloys**
		S Narasimha Kumar*, Munipally Shilpa, Konda Mukesh, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
12.15-12.25	2025117	**Performance Enhancement and Thermal Characterization of Shell and Tube Heat Exchangers**
		S Narasimha Kumar, Abhishek Varma*, S Arun kumar, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
12.25-12.35	2025129	**Design and Experimental Performance Assessment of a Portable Air Conditioner**

		S Narasimha Kumar*, Abdul Nafey, Chaitanya Bharathi Institute of Institute of Technology, Hyderabad
12.35-12.45	**2025134**	**Performance and Emission Analysis of a C.I. Engine Fuelled with WCO Biodiesel with Di-isopropyl ether as Additive**
		Karnakanti Shashi Kumar, Mungi Ankith Reddy, Sudagoni Manish Goud, Chirra Ashish, G. Sreenivasulu Reddy*, Mahatma Gandhi Institute of Technology, Hyderabad
12.45-12.55	**2025135**	**Design and prototype incinerator of fibers and pads.**
		V. Sri Pooja, P.Prasanthi, KNV Sreedevi, Chaitanya Bharathi Institute of Technology, Hyderabad
12.55-13.05	**2025136**	**Biomass Waste to Energy: Design and Fabrication of a Screw Briquetting Machine with Calorific Value Study**
		Nagini Yarramsetty*, Venkata Sushma Chinta, Kiran Kumar Amireddy, Narasimha Kumar S, Varimadugu Sandhya, Jyothirmayi Narne, M. Sanjay Srivatsav, Chaitanya Bharathi Institute of Technology, Hyderabad

International Conference on AI Applications and Technological Innovations (ICAIATI-2025)

Conference Title:	International Conference on AI Applications and Technological Innovations (ICAIATI-2025)
Track	AI Emerging Trends
Parallel Session	1
Time and Date	13.30 – 15.00 Hrs. and 12th December 2025
Venue	MCA Lab-1
Chairs	Prof. G. Shyama Chandra Prasad-Principal, Bhoji Reddy Engg. College for Women, Dr. B. Indira, Dept of MCA, CBIT
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m4abbdee91e436357267bc4861fcbd4b4

Time	Paper ID	Paper Title and Authors
13.30-13.50	53	**Federated Multimodal Disease Diagnosis under Modality-Heterogeneous Cross-Hospital Collaboration** Rizwana Banu H*, Ravishankkar A.M, Gayathri Devi T, Manikandan J, Manimekala B (Jai Shriram Engineering College)
13.50-14.10	56	**Deep Learning & Explainable AI Frameworks for Early Detection of Alzheimer's Disease** Sai Harika Usikarla*, Aaron Pitta, Mokshith Reddy Pulluru (Chaitanya Bharathi Institute of Technology(A) Hyderabad, Telangana)
14.10-14.30	69	**Ecosort AI** Jashwanth Kumar*, Usha Sri S, Pranav K, Krishna Aravinda V (Chaitanya Bharathi Institute of Technology(A) Hyderabad, Telangana)
14.30-14.50	70	**Advanced AI Techniques for Early Cognitive Decline Detection in Alzheimer' s Disease** Soha Farisa*, Sukumar Bodapatla, Mohammed Nadeem Uddin, Srinivasarao Madala (Chaitanya Bharathi Institute of Technology(A) Hyderabad, Telangana)
14.50-15.10	101	**VisionGuard:A Real-Time Driver Drowsiness Detection System Using YOLOv8, MediaPipe and Machine Learning** Dr. Arati Kothari*, Shaun Dias, Debashis Gope, Lokesh Kaushik (Ajeenkya D Y Patil University)

Conference Title:	International Conference on AI Applications and Technological Innovations (ICAIATI-2025)
Track	IoT & Cyber Security
Parallel Session	3A
Time and Date	09.30 – 11.00 Hrs. and 13th December 2025
Venue	CET lab-1
Chairs	Dr. P. SyamKumar, Assistant Professor in IDRBT, Hyderabad. Prof. Sangeeta Gupta, Professor, Dept of CET, CBIT
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=mdf4db7e54fb0aa27158784aa73da2171

Time	Paper ID	Paper Title and Authors
09.30-09.50	1	**Integrating Sensor Networks and Data Analytics for Real-Time Monitoring and Management of Environmental Systems: A Comprehensive Survey**
		Machana Reddy* (Vasavi College of Engineering)
09.50-10:10	57	**Workflow Scheduling in Cloud using Teaching-Learning Based Optimization and Chaotic Particle Swarm Optimization**
		Vinay Kumar Sriperambuduri* (Vasavi College of Engineering)
10.10-10.30	102	**NURO: An AI-Powered Voice and Vision Controlled Robotic System Using Raspberry Pi**
		Arati Kothari*, Kshitish Mule, Dheeraj Malviya, Jagdishwar Pulimaddi, Amey Joshi (Ajeenkya D Y Patil University)
10.30-10.50	125	**Design of a Secure and Intelligent Healthcare Data Management System using Blockchain and Federated Learning**
		Shradha Reddy Basireddy*, Sreeja Bavandla, Sangeeta Gupta (Chaitanya Bharathi Institute of Technology, Hyderabad)

Conference Title:	International Conference on AI Applications and Technological Innovations (ICAIATI-2025)
Track	AI, Data Science and Predictive Analytics
Parallel Session	3B
Time and Date	09.30 – 11.00 Hrs. and 13th December 2025
Venue	MCA Lab-2
Chairs	Dr. C. Kishor Kumar Reddy, Professor, Stanley College of Engineering, Hyderabad, Dr. K. Ramana, Associate Professor, Dept of AIDS, CBIT
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=mee420c4b4dc8655eb3095b28765d194a

Time	Paper ID	Paper Title and Authors
09.30-09.50	61	**Evolving Paradigms in Legal Document Classification: From Rhetorical Roles to Adaptive Cross- Jurisdictional Hierarchies**
		Barshamolla Lavanya*, Tene Ramakrishnudu (NIT Warangal)
09.50-10:10	63	**A Comparative Review of Automatic Legal Document Summarization Techniques**
		Deepika Rangaraju*, RBV Subramanyam, Tene Ramakrishnudu (National Institute of Technology Warangal)
10.10-10.30	121	**Harnessing Data Analytics to Forecast the Impact of Climate Change on Water Resources: A Comprehensive Review**
		Venu Madhava Rao* (MVSREC)
10.30-10.50	122	**Data-Driven Approaches for Environmental Risk Assessment and Decision-Making in Climate Change Adaptation: A Review**
		Rama Krishna* (Vasavi College of Engineering)

Conference Title:	International Conference on AI Applications and Technological Innovations (ICAIATI-2025)
Track	AI and Applications
Parallel Session	3C
Time and Date	09.30 – 11.00 Hrs. and 13th December 2025
Venue	MCA Lab-1
Chairs	Prof. Uma Dulhare, Professor, Mufffakam Jah College of Engineering and Technology Dr. Y C A Padmanabha Reddy, Associate Professor, Dept. of AIML, CBIT
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m4abbdee91e436357267bc4861fcbd4b4

Time	Paper ID	Paper Title and Authors
09.30-09.50	35	**The Role of Artificial Intelligence in Transforming Physical Education and Sports Training**
		Sathuluri Raju*, K Gangadhara Rao, K Mahesh, Kunche Usha Rani, Movva Vinod, Boopathi D (Chaitanya Bharathi Institute of Technology(A) Hyderabad, Telangana)
09.50-10:10	47	**A Novel Deep Learning Strategy for CAD Classification Using CNN and LSTM Networks**
		Talari Bhuvaneshwari* (Faculty of Science and Technology (ICFAI Foundation for Higher Education)
10.10-10.30	60	**Intelligent Legal Information Extraction: Review of AI Frameworks for Contract and Case Analysis**
		B Priyanka*, Basava Raju Kachapuram (Anurag University)
10.30-10.50	75	**Ensemble Voting Classifier for Obsessive- Compulsive Disorder Prediction Using Neuroimaging and Oxidative Stress Biomarkers**
		Jajjara Bhargav* (SNS College of Technology, Coimbatore)
10.50-11.10	76	**Explainable AI Based Personalized Investment Advisory System**
		Arumugam Sneha*, Sai Santhosh M, Neha Prabha (Chaitanya Bharathi Institute of Technology(A) Hyderabad, Telangana)

2nd International Conference on Innovative Computing Technologies (ICICT-2025)

Conference Title:	2nd International Conference on Innovative Computing Technologies (ICICT-2025)
Track	Artificial Intelligence and Machine Learning, Data Science and Analytics
Parallel Session	1
Time and Date	13.30 – 15.00 Hrs. and 12th December 2025
Venue	C-212, 2nd Floor, C Block
Chairs	Prof. Ram Mohan, Professor & Head, IT Dept. Vasavi College of Engineering, Hyderabad. Dr. T. Sridevi, Associate Professor, CSE Dept. CBIT, Hyderabad,
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m2dc57a9b7117aed880e87249f8aa78e9

Time	Paper ID	Paper Title and Authors
13.30 - 13:40	21	**Predictive Fault Diagnosis and Optimized Fog Computing using ML approach**
		Soora Sathish Kumar*, R Vijaya Prakash, SR University
13.40 - 13:50	52	**Role of First Order Predicate Logic in Knowledge Acquisition and Representation in Artificial Intelligence**
		M Sujatha*, Y Praroopa, National Sanskrit University
13.50 - 14:00	75	**A Cognitive Learning Framework for Early and Accurate Detection of Gastrointestinal Cancers Using Multimodal Data Integration**
		Abdul Shabana Parveen M*, Sudersan Behera, SR University
14.00-14.10	5	**Mental State Classification using EEG Signals with Ensemble Machine Learning Approaches**
		Amara Rohan Raj*, Mali Sai Ganesh Reddy, Sanjana Thouta, Shaik Jakeer Hussain, Institute of aeronautical engineering
14.10-14.20	29	**LegalMind: A Review of AI-Powered Legal Text Processing and Prediction**
		Preety Singh*, VNR VJIET, Hyderabad
14.20-14.30	111	**Efficient Feature Selection for Heart Disease Prediction Using a Hybrid PSO–FPA Optimization Approach**
		Asif Shaik*, Vignan's Foundation for Science, Technology and Research
14.30-14.40	85	**A Graph-Based Text Summarization approach for Text Classification: An experiment with Telugu Text**
		JJC Prasad Yadav*, Dr Raja Kumar Rajaboina JNTUA Anantapuramu
14.40-14.50	151	**Ai-Enabled Diabetes Advisor: A Retrieval-Augmented Generation (Rag) Chatbot For Diabetic Health Assistant**
		Golla Manasa*, Guda Vanitha, Chaitanya Bharathi Institute of Technology(A), Hyderabad

Conference Title:	2nd International Conference on Innovative Computing Technologies (ICICT-2025)
Track	Distributed, Networking, Communication and Security
Parallel Session	2
Time and Date	15.15 – 16.45 Hrs. and 12th December 2025
Venue	L403, 4th Floor, L Block
Chairs	Prof. G. Suresh Reddy, Professor, IT Department, VNR Vignana Jyothi Institute of Technology, Hyderabad, Dr. B. Veera Jyothi, Associate Professor, IT Dept, CBIT, Hyderabad.
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=mde4fd05d45ec4290461e1b7b96774934

Time	Paper ID	Paper Title and Authors
15.15 - 15.25	128	**Herbtrace: Blockchain-Driven Framework for Transparency and Traceability in Herbal Supply Chains**
		S Komal Kour*, T Adilakshmi, M Sunitha Reddy, B Vaishvik, A Yuva Karthik, Vasavi College of Engineering
15.25 - 15.35	50	**Machine Learning Model to Detect DDOs Attack in Multi UAV Networks**
		R Tamilkod, Srinivasarao T, Leelavathy N, Teja K.H.V.V.D*, Pavan Satish Kumar T, Dileep V, Godavari Global University
15.35 - 15.45	86	**AI Powered Personal Research Assistant**
		Venkata Rosi Reddy Jakkireddy*, Radhika Vankayalapati, VNRVJIET
15.45- 15.55	36	**Automated Loan Approval System Using Machine Learning**
		R Tamilkodi, Suryakala K, Ratalu S, Rukmini Pravallika A*, Vinay Kumar A, Vivek Ch, Godavari Institute of Engineering and Technology
15.55- 16.05	32	**Waste Segregation Using a Robotic Arm with Visual And Smell-Based Sensing**
		Penneru Shaswathi Sanjana*, Sreevalliputhuru Siri Priya, Smera S Kini, Kesarla Hasini Srinilaya, Abhishek S, Akhil V.M, Amrita Vishwa Vidyapeetham
16.05- 16.15	25	**Explainable Boosting Algorithm: A Model-Agnostic Framework Integrating XAI Approaches for Transparent E-Commerce Analytics**
		S Vairachilai*, SR University, Mollguri Jagadeesh, SR University, S.Periyanayagi, VIT Bhopal University
16.15- 16.25	66	**Attention-LSTM Based Alibaba Stock Price Prediction**
		Nallamothu Srilekha*, V Lakshmi Chetana
16.25- 16.35	152	**Summarizing and Classifying Indian Legal Judgments Using Explainable Artificial Intelligence**
		R Venkat*, B. Veera Jyothi, K. Swathi, Mahesh Raghuvir Susarla, Chaitanya Bharathi Institute of Technology, Hyderabad

Conference Title:	2nd International Conference on Innovative Computing Technologies (ICICT-2025)
Track	Smart Systems, Quantum Computing, Emerging Technologies
Parallel Session	3
Time and Date	09.30 – 11.00 Hrs. and 13th December 2025
Venue	C-212, 2nd Floor, C Block
Chairs	Prof. K. P. Supreethi, Professor & Head, CSE Dept. JNTUH University College of Engineering, Science & Technology, Hyderabad, Dr. V. Padmavathi, Associate Professor, CSE Dept. CBIT, Hyderabad.
Link (if online)	https://cbithyd.webex.com/cbithyd/j.php?MTID=m2dc57a9b7117aed880e87249f8aa78e9

Time	Paper ID	Paper Title and Authors
09.30-09.40	58	**Quantum Entanglement-Based Internet: The Future of Medium-Less Communication**
		Sujanavan Tiruvayipati*, Vikram Narayandas, Kumari Gubbala, Swathi Akuthota, Ramadevi Yellasiri, CVR College of Engineering
09.40-09.50	114	**Comparative Analysis of Temporal Convolutional Networks and LSTM for Air Quality Forecasting**
		M. Sunitha, T. Adilakshmi, S. Komal Kaur, M Jayanth, N Radha Krishna*, Vasavi College of Engineering, Hyderabad
09.50-10.00	138	**Machine learning suitability for the prediction of the early diagnosis of the peritonitis in similar lines with hemodialysis Parameters**
		Akuthota Swathi*, Golda Dilip, Atluri Vani Vathsala, SRM Institute of Science and Technology
10.00-10.10	57	**RemindU-A Flutter Based Mobile App for Improving Medication Adherence Among Elderly People**
		Shaliya B*, Amrutha Varshini G, K. Boopalan, Veltech
10.10-10.20	73	**Multi-Scale Context-Aware Deep Learning Framework for Waste Segmentation with Transformer-Based Recognition**
		K. Gomathi*, G. Michael (SIMATS) Saveetha University Chennai
10.20-10.30	74	**High Fidelity Waste Classification Using Contrastive Attention Fusion and Federated Contrastive**
		K. Gomathi*, G. Michael (SIMATS)Saveetha University Chennai
10.30-10.40	121	**Development and analysis of a real-world Indian tree species bark texture Dataset: A deep learning approach for species classification**
		Penneru Shaswathi Sanjana*, Sreevalliputhuru Siri Priya, Smera S Kini, Kesarla Hasini Srinilaya, Abhishek S, Akhil V.M, Amrita Vishwa Vidyapeetham
10.40-10.50	20	**Cross Modal Similarity Evaluation System**
		Srikande Sowmya*, K Venkat Vatshal, M Lakshman, T Saiteja, P Sai Ram, Vidya Jyothi Institute of Technology

Conference Title:	2nd International Conference on Innovative Computing Technologies (ICICT-2025)
Track	Image Processing, Computer Vision, IoT and Robotics, High Performance, Cloud and Green Computing
Parallel Session	4
Time and Date	11.15 – 12.45 Hrs. and 13th December 2025
Venue	L403, 4th Floor, L Block
Chairs	Prof. Panduranga Vital Terlapu, Professor, Aditya Institute of Technology and Management (AITAM), Tekkali, Srikakulam, Andhra Pradesh, India Dr. E. Padmalatha, Associate Professor, CBIT, Hyderabad.
Link	https://cbithyd.webex.com/cbithyd/j.php?MTID=mde4fd05d45ec4290461e1b7b96774934

Time	Paper ID	Paper Title and Authors
11.15-11.25	32	**Waste Segregation Using a Robotic Arm with Visual and Smell-Based Sensing** Penneru Shaswathi Sanjana*, Sreevalliputhuru Siri Priya, Smera S Kini, Kesarla Hasini Srinilaya, Abhishek S, Akhil V.M, Amrita Vishwa Vidyapeetham
11.25-11.35	72	**Design and Simulation of a Pipelined RISC-V RV32IM Custom Microprocessor with Hardware Accelerated Extensions** Somesh Komarellu*, Nanda Kishore Kammati, Shivarama Krishna Ande, Bindu Sree V, IARE, Hyderabad
11.35-11.45	35	**Secure and Interoperable Healthcare Data Exchange Using Blockchain, Smart Contracts, and Privacy-Enhancing Technologies** Mallika Thogaru*, Suryakala Eswari G, Swathi Iddum, Anil Neerukonda Institute of technology and Sciences
11.45-11.55	89	**Explainable Multi-Stage Diabetic Retinopathy Detection Using Attention-Enhanced Transfer Learning on Fundus Images** Snekan J*, Shyam Ganesh, St Joseph's College of engineering
11.55-12.05	38	**Integrating Offensive Insights into Defensive Development: A Web Security Scanner** R Tamilkodi, Madhuri N, Sravani Tulasi S*, Shalem Raj P, Banni T, Godavari Global University
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