

**BDCC 2025 – 8th EAI International Conference on
Big Data Innovation for Sustainable Cognitive Computing**

December 19-20, 2025

Coimbatore, Tamil Nadu, India.

PROGRAM SCHEDULE

DAY I - CONFERENCE (19th December 2025)	DAY 2 - CONFERENCE (20th December 2025)
09.30 am – 09.45 am – Inauguration	10.00 am – 10.45 am – Keynote Seminar II
09.45 am – 10.30 am – Keynote Seminar I	10.45 am – 11.00 am – Tea Break
10.30 am – 10.40 am – Tea Break	11.00 am – 01.00 pm – Technical Presentation IV
10.40 am – 01.00 pm – Technical Presentation I	01.00 pm – 01.40 pm – Lunch Break
01.00 pm – 01.40 pm – Lunch Break	01.40 pm – 02.30 pm – Keynote Seminar III
01.40 pm – 03.00 pm – Technical Presentation II	02.30 pm – 02.45 pm – Tea Break
03.00 pm – 03.10 pm – Tea Break	02.45 pm – 03.00 pm – Valedictory Function
03.10 pm – 04.10 pm – Technical Presentation III	Second Day Technical Session Closed
First Day Technical Session Closed	

Presentation Time: 20 Minutes

Presentation Format: Power Point Presentation (PPT)

DAY I – CONFERENCE (19 th December 2025)	
Keynote Seminar I (09.45 am – 10.30 am)	
Key Note Seminar By :	
<p style="text-align: center;">Dr. Muhammad Zubair Department of Computer Science and Software Engineering Heriot-Watt University (Zhubanov Campus), Aktobe, Kazakhstan.</p>	
10.30 am – 10.40 am – Tea Break	
Technical Presentation I (10.40 am to 01.00 pm)	
Time	Title / Author Name
10.40 am – 11.00 am	<p style="text-align: center;">Human Centered AI for Managing Lifestyle-Related Risk Factors of Heart Diseases: A Medical Perspective</p> <p style="text-align: center;">Lalit Kumar Sharma, Dr. Gaurav Sharma, Dr. Prinyanka Vijay, Anil Kumar Pareek, and Ashutosh Dadhich Banasthali Vidyapith, Tonk, India</p>
11.00 am to 11.20 am	<p style="text-align: center;">A Comparative Literature Survey on Multi-Agent and LLM-Based Educational Chatbots with Modular Architectures</p> <p style="text-align: center;">Tabassum Ara, Shreyansu Panda, Jason Samuel Das, Amit Ranjan Das and Sidharth Vivek Prabhugoankar Department of AIML, HKBK College of Engineering, Karnataka, India.</p>
11.20 am to 11.40 am	<p style="text-align: center;">Towards Scalable Real-Time AI Analytics: Optimized Data Streaming with Kafka and Cassandra</p> <p style="text-align: center;">Sridhar Udayakumar , E. Anbalagan, Baskar M, Prathap Mani, Yuvaraj B Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, SIMATS, Saveetha University, Chennai, TamilNadu, India Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, SIMATS, Saveetha University, Chennai, TamilNadu, India Department of Computer Science and Engineering, Rajalakshmi Institute of Technology Chennai, TamilNadu, India</p>
11.40 pm to 12.00 pm	<p style="text-align: center;">Human Centered AI for Evaluating the Role of Parental Mental Health Literacy in Reducing Childhood Stigma</p> <p style="text-align: center;">Ashutosh Dadhich, Dr. Gaurav Sharma, Dr. Prinyanka Vijay, Anil Kumar Pareek, and Lalit Kumar Sharma Banasthali Vidyapith, Tonk, Rajasthan, India</p>

12.00 pm to 12.20 pm	<p>Toward Scalable and Interpretable Diabetic Macular Edema Diagnosis: A framework for the analysis of AI Techniques Using 3D Retinal Imaging</p> <p>Sandhya K R, Raja Muthiah, P. Nagaraj Department of Computer Science and Engineering, Kalasalingam Academy of Research and Education, Srivilliputhur, India Department of Computer Science and Engineering, SRM Institute of Science and Technology, Tiruchirappalli, Tamil Nādu, India</p>
12.20 pm to 12.40 pm	<p>Smart Bed Assistance via Gesture and Voice Control</p> <p>Bhavana Nerella, Nookala Sai Kovala, Srivani Konkapaka, Jayashree M Oli Amrita Vishwa Vidyapeetham , Bangalore,560035 India.</p>
12.40 pm to 01.00 pm	<p>Justice AI - An Agentic AI Legal Assistant for Bridging Access to Justice</p> <p>Shruthi M, Reethu V, and Quba Jaslin C Department of Artificial Intelligence and Machine Learning, St. Joseph' s College of Engineering, Chennai - 600119, Tamil Nadu, India</p>
01.00 pm – 01.40 pm – Lunch Break	
Technical Presentation II (01.40 pm – 03.00 pm)	
1.40 pm to 02.00 pm	<p>A Prediction Approach and Cross-Method Analysis of Parkinson's Disease Techniques and Evolution</p> <p>School of Computer Science and Engineering, Vellore Institute of Technology, Vellore 632014, Tamil Nadu, India</p>
02.00 pm to 02.20 pm	<p>A Review on NIST Recommended Cryptographic Schemes for the Post-Quantum Computer World era</p> <p>K Mariyappan, B K Mishra, Harini SA and MK Jayanthi Kannan Chennai Institute of Technology, Chennai Tamil Nadu, INDIA Chandigarh University, Mohali 17, Punjab, India Sri Sairam Engineering college, Chennai, India VIT Bhopal University</p>
02.20 pm to 02.40 pm	<p>Benchmarking Vulnerabilities of Large Language Models in the Medical Domain using Prompt Injection</p> <p>Neha Vinayak, Reddy Rani Vangimalla, and Ashish Narang Department of Computer Science and Information Systems, Birla Institute of Technology and Science, Pilani, 333031, Rajasthan, India.</p>

02.40 pm to 03.00 pm	<p>A Secure and Sustainable NFC-Based E-Visiting Card System for Digital Identity Management</p> <p>Linsa V U, Advait Sanil, Alna P J, Ribin Xavier, Sahna Saleeph, Nisanth P Artificial Intelligence and Machine Learning Department, Vidya Academy of Science and Technology, Thrissur, India</p>
03.00 pm – 03.10 pm – Tea Break	
Technical Presentation III (03.10 pm – 04.10 pm)	
03.10 pm to 03.30 pm	<p>Comparative Analysis of Current Mirror for Improved Current Mirroring Performance</p> <p>K. Karthika, Aaron Kevin Cameron Theoderaj and M.S.Harish Department of ECE, KCG College of Technology, India.</p>
03.30 pm to 03.50 pm	<p>Human-Centric Artificial Intelligence: A Framework for Ethical Big Data Decision-Making</p> <p>Sahaya Sarojini N and Gopinath Ganapathy St. Anne's Convent, Jayaraj Annapackiam college for Women, Periyaku-lam, Theni 625 601, Tamil Nadu, India. Computer Science Department, University of Bharthidasan, Trichy, India</p>
03.50 pm to 04.10 pm	<p>AI Tutor for Learning R Programming</p> <p>Linsa V U, Joise S Arakkal, Sabarinath K R, Shyamprakash K, Thrikshay Sukhdev, and Nisanth P Vidya Academy of Science and Technology, Thrissur, India</p>
First Day Technical Session Closed	

DAY 2 – CONFERENCE (20 th December 2025)	
<p>Keynote Seminar II (10.00 am – 10.45 am)</p> <p>Key Note Seminar By :</p> <p style="text-align: center;">Dr. Sowjanya Lakshmi A Department of Information Science and Engineering Sir M. Visvesvaraya Institute of Technology Bengaluru, Karnataka, India.</p>	
<p style="text-align: center;">10.45 am – 11.00 am – Tea Break</p>	
<p style="text-align: center;">Technical Presentation IV (11.00 am – 01.00 pm)</p>	
<p>11.00 am to 11.20 am</p>	<p style="text-align: center;">Enhancing Transfer Learning based Plant leaf disease Recognition using ResNet50</p> <p style="text-align: center; color: red;">Keerthika J, Abinaya G, Abinaya M, Aishwarya R and Ashwithaa L Department of CSE, Sri Eshwar College of Engineering, Coimbatore, India.</p>
<p>11.20 am to 11.40 am</p>	<p style="text-align: center;">Enhancing Spectrum Coordination in IoT-Based Systems: A Comprehensive Review of Design Factors</p> <p style="text-align: center; color: red;">Keerthika J, Anandakumar Haldorai, Sri Eshwar College of Engineering, Coimbatore, India</p>
<p>11.40 am to 12.00 pm</p>	<p style="text-align: center;">Lung Cancer Classification Using a Convolutional Neu-ral Network with Data Efficient image Transformer (DEiT): A Hybrid Deep Learning Approach</p> <p style="text-align: center; color: red;">V. Karunakaran, M. Suriya , Sindhu Madhuri G and Rajasekar Velswamy Department of CSE (Artificial Intelligence and Machine Learning), Sri Eshwar College of Engineering, Coimbatore. Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore. School of Computer Engineering, Manipal Institute of Technology, Bengaluru, Manipal Academy of Higher Education, Manipal, Karnataka, India. Department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani Campus, Chennai.</p>
<p>12.00 am to 12.20 pm</p>	<p style="text-align: center;">Mla-resnet18: a multi-layered attention-enhanced resnet framework for chest x-ray based infectious disease detection</p> <p style="text-align: center; color: red;">P. Poonguzhali, S. Nalini Department of Computer Science and Engineering, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli, Tamil Nadu, India. Department of Computer Science and Engineering, University College of Engineering, BIT Campus, Anna university, Tiruchirappalli, Tamil Nadu, India.</p>

12.20 am to 12.40 pm	<p>LoRaWAN Based Smart Monitoring and Alert System for Enhancing Safety in Mining Industry</p> <p>J. Prasad, Dhanaseelan T D, Dharshan B, Epshiba L , Abishek.M, Arjun.V KPR Institute of Engineering and Technology, Coimbatore, India</p>
12.40 am to 01.00 pm	<p>QGRL-Question Guided Relation Linking for Multi-Hop KGQA</p> <p>Pranshu Jain, Jay Prakash, and Suneera C M National Institute of Technology Calicut, Kerala 673601, India</p>
01.00 pm – 01.40 pm – Lunch Break	
Keynote Seminar III (01.40 pm – 02.30 pm)	
<p>Key Note Seminar By :</p> <p>Prof. Ali Shinwari Department of Computer Science and Information Technology, The American University of Kurdistan Kurdistan Region, Iraq</p>	
02.30 pm – 02.45 pm – Tea Break	
02.45 pm – 03.00 pm – Valedictory Function	
Second Day Technical Session Closed	