BDCC 2024 – 7th EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing

December 20-21, 2024

Coimbatore, Tamil Nadu, India.

PROGRAM SCHEDULE

DAY 1 - CONFERENCE (20th December 2024)	DAY 2 - CONFERENCE (21st December 2024)
09.30 am – 09.45 am – Inauguration	09.30 am – 10.30 am – Keynote Seminar II
09.45 am – 10.45 am – Keynote Seminar I	10.30 am – 10.50 am –Tea Break
10.45 am – 11.00 am –Tea Break	10.50 am – 12.50 pm – Technical Presentation IV
11.00 am – 01.00 pm – Technical Presentation I	12.50 pm – 02.00 pm – Lunch Break
01.00 pm – 02.00 pm – Lunch Break	02.00 pm – 03.00 pm – Technical Presentation V
02.00 pm – 03.00 pm – Technical Presentation II	03.00 pm – 03.20 pm – Tea Break
03.00 pm – 03.20 pm – Tea Break	03.20 pm – 04.00 pm – Valedictory Function
03.00 pm – 04.00 pm – Technical Presentation III	Second Day Technical Session Closed
First Day Technical Session Closed	

Presentation Time: 20 Minutes

Presentation Format: Power Point Presentation (PPT)

Join Zoom Meeting
https://us06web.zoom.us/j/3937525629?pwd=aG9scVVuYlpCamdxd1B3VGp5akxmZz09&omn=81844456148

Meeting ID: 393 752 5629
Passcode: 12345

DAY 1 – CONFERENCE (20ᵗʰ December 2024)

Keynote Seminar I (09.45 am – 10.45 am)

Key Note Seminar By :

Dr. Nagender Aneja
Collegiate Associate Professor
Department of Electrical and Computer Engineering,
Virginia Tech, Blacksburg,
Virginia, USA.

10.45 am – 11.00 am –Tea Break

Technical Presentation I (11.00 am to 01.00 pm)

Time	Title / Author Name
11.00 am to 11.20 am	Leveraging the Power of MediaPipe for Effective Sign Language Detection and Real-Time Audio Conversion Abhay Krishna, Nandana Manoj, Manni Chellappan, Joe Dhanith PR School of Computer Science and Engineering, Vellore Institute of Technology Chennai Campus, Chennai, India
11.20 am to 11.40am	Enhancing Data Warehousing Efficiency and Decision-Making through Fuzzy Dimensional Hierarchies PPG Dinesh Asanka, Department of Industrial Management, University of Kelaniya, Sri Lanka. Amal S. Perera, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka
11.40 am to 12.00 pm	A Machine Learning-Based Approach for Parkinson's Disease Diagnosis to Improve Clinical Decision Support Systems Karina V. Mehta, Maitri N. Shah, Malhar A. Solanki, Dharmesh R. Tank and Palak J. Parmar LDRP Institute of Technology and Research, KSV, Gandhinagar-382016,
12.00 pm to 12.20 pm	A Comprehensive Survey of Efficient Authentication Protocols for the IoV in VANETs P.R.Hemalatha, J.V.Anchitaalagammai Velammal College of Engineering and Technology, Madurai.

12.20 pm to 12.40 pm	Enhancement Of Acute Lymphoblastic Leukemia Using Spatial And Transform Filtering Techniques M. Menagadevi , Department of Computer Science and Engineering, School of Engineering, Malla Reddy, University, Hyderabad, India. Suriya Murugan, Department of Computer Science and Engineering, Sri Eshwar College of engineering, Coimbatore, India. Nirmala Madian, Department of Biomedical Engineering, Dr.N.G.P Institute of Technology, Coimbatore, India S. Sharmila, Department of Electronics and Communication Engineering, Dr.N.G.P Institute of Technology, Coimbatore, India. Anbumani .S, Dr.N.G.P Institute of Technology, Coimbatore, India.
12.40 pm to 01.00 pm	Short term forecasting of the power generation of a PV plant from relevant atmospheric parameters using ML/DL methods Renjit Lal Parameswaran, Hazarathayya, Sivam Bellakonda Computer Science Indian Institute of Information Technology, Kottayam, India

Technical Presentation II (02.00 pm – 03.00 pm)

02.00 pm to 02.20 pm	Diabetic Retinopathy Detection using CNN enhanced with Lesion Aware Module and Feature Preserve Module Anandaraj A, Abinaya S, Arul Prathiksha S, Atshaya M, Dhaboomya K Sri Eshwar College of Engineering, Kinathukadavu, Coimbatore
02.20 pm to 02.40 pm	KLOA: Improving VANET Security Against Social Engineering Attacks through Strategic Optimization Nitha C Velayudhan, Department of Computer Science & Engineering, Christ College of Engineering, Kerala, India Arun Pradeep, Department of Electronics & Communication, Saveetha Engineering College, Tamil Nadu, India Mukesh Madanan, Department of Computer Science, Dhofar University, Salalah, Oman

02.40 pm to 03.00 pm	An Exploration of Various Aspects in Opinion Mining and Sentiment Analysis Across Social Media Platforms S. Vinayaga Vadivu, P. Nagaraj and M. Raja Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Srivilliputtur, Virudhunagar, Tamilnadu, India.
03.00 pm – 03.20 pm – Tea Break	
Technical Presentation III (03.00 pm – 04.50 pm)	
<mark>Join Zoom Meeting</mark> http://surl.li/vdjhga Meeting ID: 393 752 5629 Passcode: 12345	
03.20 pm to 03.40 pm	Revolutionizing Supply Chains: A Systematic Review of Integration of Artificial Intelligence in Supply Chain Management Archana Sasi, Sreenath S, Shreehari Manu, Aadith Nidi, Shamdan C, Nitesh Yadav Jain University, Bangalore, India
03.40 pm to 04.00 pm	"Collaborativity": A Collaborative Ontology Construction Framework Kaneeka Vidanage, Asela Gunasekara Department of Computer Science, Faculty of Computing, General Sir John Kotelawala Defense University, Sri Lanka
First Day Technical Session Closed	

DAY 2 – CONFERENCE (21ˢᵗ December 2024)	
Keynote Seminar II (09.30 am – 10.30 am)	
Key Note Seminar By : Dr. T. Thamaraimanalan Professor (Associate), Department of Electronics and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India Join Zoom Meeting http://surl.li/vdjhga Meeting ID: 393 752 5629 Passcode: 12345	
10.30 am – 10.50 am –Tea Break	
Technical Presentation IV (10.50 am – 01.00 pm)	
10.50 am to 11.10 am	An Empirical Study on Employee Attrition using Machine Learning R.Mary Metilda, Professor, SREC Business School, Coimbatore H.Saranya, Student of SREC Business School, Coimbatore V.Vishnu Priya, Asst.Prof, SNS Business School, Coimbatore
11.10 am to 11.30 am	Road accident risk assessment to develop strategic recom-mendations for road safety of the Northwestern province of Sri Lanka: A systematic literature review J.H.K.I. Jayamaha and Thilini V. Mahanama University of Kelaniya, Faculty of Science, Sri Lanka
11.30 am to 11.50 am	Indian Sign Language Recognition for Physically Challenged People using Machine Learning Sripriya N, Poornima S, G Udaykiron Chowdary and V Sai Shyam Department of Information Technology, Sri Sivasubramaniya Nadar College of Engineering, Chennai, Tamilnadu, India Department of Information Technology, SIES Graduate School of Technology.
11.50 am to 12.10 pm	Cybersecurity using Machine Learning: Implementing an Intrusion Detection System using the NSL-KDD Dataset Amogh Ananda, Amrutha Bhat T P, Shubha V Rao, BMS College of Engineering, Bengaluru, India

12.10 pm to 12.30 pm	**Dynamic Web Framework for Analyzing Cyber Security using Hybrid Machine Learning** Suriya Murugan, Saranya N, Tresina Fernando F, Swetha Raylene J Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore
12.30 pm to 12.50 pm	**Smart Solution for Safer Roads: Identifying And Alerting Accident-Prone Zones Using Gis and Real-Time Data** Preethi Harris, Adhnan Jeff M S, Abhinavu G S, Harisudhan M Sri Ramakrishna Engineering College, Coimbatore, India

12.50 pm – 02.00 pm – Lunch Break

Technical Presentation V (2.00 pm – 3.30 pm)

02.00 pm to 02.20 pm	**Fuzzy Logic Based Technique To build Sustainability in Early Detection of Alzheimer's Disease** Nagarathna C R, Babu Kumar S, Archan B, Anjaneya , Muquitha Almas, Mahantesh U Department of AI and ML, BNM Institute of Technology, Bangalore, India Department of CSE, Christ Deemed to be University, Bangalore, India Department of CSE, Vidya Vikas Institute of Technology,Mysore, India Department of CSE, Bapuji Institute of Engineering & Technology, Davanagere, India Department of CSE, Dayananda Sagar college of engineering, Bangalore
02.20 pm to 02.40 pm	**Plant Species Identification Using Machine Learning Techniques** Rajkumar K and Devikanniga Devarajan Department of Data Science and Business Systems, School of Computing, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India - 603 203. Computer Science and Engineering, GITAM Deemed to be University, Nagadenahalli, Doddabalpur, Bangalore, Karnataka – 561203

02.40 pm to 03.00 pm	JourneyMate - An Optimized Secure Travel Planning and Integrated Booking System Suriya Murugan, Sarimila R, Srijaa R P, Swathi S, Vasumathi P Department of Computer Science and Engineering Sri Eshwar College of Engineering, Coimbatore
03.00 pm – 03.20 pm – Tea Break	
03.20 pm – 04.00 pm – Valedictory Function	
Second Day Technical Session Closed	