



7TH INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ADVANCED COMPUTING (ICRTAC'24)

**School of Computer Science and Engineering, Vellore Institute of Technology,
Chennai, India**

In collaboration with

**Faculty of Computer Science and Information Technology
Universiti Putra Malaysia, Malaysia
Bureau of Indian Standards
UiPath**

**Theme: Automating Sustainability: Bridging SDG Goals
with Recent Trends in Advanced Computing at
ICRTAC'24**

**Venue: VOC Auditorium, ADMIN Block 5th floor, VIT Chennai,
India**

Date: Nov 14th -15th 2024

Online tracks

ICRTAC - 2024 : Technical Program Schedule **Day 1 Schedule**

Technical Session 1 – Online (Track: T1- Artificial Intelligence)

Date: 14-11-2024

Timing: 1.30 PM to 3.15 PM

Meeting link:<https://zoom.us/j/98880953516?pwd=5ZjSS43KdspgV39ubaI3ad8acy1wZL.1>

Passcode: 521341

Paper ID	Title of the paper	Author name	College Name	Time	Judges
6	A Comprehensive Review on Automated Learning Systems to Monitor the Prevalence of Musculoskeletal Pain Among Students in Classroom	Dilliraj Ekambaram Vijayakumar ponnusamy	SRM Institute of Science and Technology Kattankulathur, Chengalpattu District, Tamilnadu, India.	1.30 PM to 1.45 PM	Session Chair 1: Dr. Vasanthi Govindaraja, Senior Software Engineer, National General, Dallas, Texas, USA Session Chair 2: Dr.Sunil Kumar.T Associate Professor, University of Gavle Sweden Internal Evaluator: Dr. Asnath Vicky Phamila Y VIT Chennai Moderator : Dr. P.Prakash, VIT Chennai
41	Real-time Object Detection for Autonomous Vehicles: A Comparative Study of CNN, SSD, and Improved YOLO V5	Darthy Rabecka	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, India	1.45PM to 2.00PM	
54	Framework for Enhancing Web Scraping with LangChain and Large Language Models	Lakshmi Harika H Palivela Nikhil Vaidhyanathan G	Vellore Institute of Technology, Chennai	2.00 PM to 2.15 PM	
55	Enhanced Skin Disease Classification Using LLM	Yuvaraaj M	St Joseph's Institute of Technology	2.15 PM to 2.30 PM	
70	Interpreting American Sign Language into Text and Audio for Live Streaming	Umadevi Ramamoorthy Seema Surendran Maria Sapthika	CMR University	2.30 PM to 2.45 PM	
87	Investigating security challenges and solutions for preserving privacy while sharing data across networks - a study with reference to e-commerce websites	Gold Beulah Patturose J JEEVIA HARSHINI M Priscilla Rajadurai	St. Joseph's Institute of Technology	2.45 PM to 3.00 PM	
98	An Efficient Prediction Based Dynamic Resource Allocation Framework in Quantum Cloud Using Knowledge Based offline Reinforcement Learning	Valarmathi Krishnamoorthi	Vellore institute of technology	3.00 PM To 3.15 PM	

Date: 14-11-2024

Timing: 1.30 PM to 3.15 PM

Technical Session 2 – Online (Track: T2- Artificial Intelligence)

Meeting link:<https://zoom.us/j/95530730736?pwd=SdTc3l8lRjG23loxnA5bjaklv1Us0J.1>

Passcode: 789045

Paper ID	Title of the paper	Author name	College Name	Time	Judges
103	A Hybrid Optimization Approach for Brain Tumor Detection Using Fusion of FPSO	Alphonsa J Sheeja Kumari Dayana Moncy	Saveetha Institute of Medical and Technical Sciences	1.30 PM to 1.45 PM	Session Chair 1: Dr. Elakkiya R, BITS Pilani Dubai Session Chair 2: Dr. Ramesh Ragala, Scientist, India Meteorological Department, Delhi Internal Evaluator: Dr. Muthumanikadan V VIT Chennai Moderator: Sujithra@Kanmani VIT Chennai
106	Exploring Cognitive Wellbeing: Analyzing the Interplay Between Mental Health and Individual Resilience	R Nagha Akshayaa Dr.SAJIDHA S A Nisha V M Aakif Mairaj	Vellore Institute of Technology, Chennai,India	1.45PM to 2.00PM	
107	Optimized Brain Tumor Detection through Fusion of Firefly Algorithm and Genetic Algorithm	Alphonsa Sheeja Kumari V Roslin Dayana	Saveetha Institute of Medical and Technical Sciences	2.00 PM to 2.15 PM	
130	Acoustic Scene Analysis in Hearing Aid using Light Weight CNN Model	Gnanaprakash v Sajan P.PhilipShoukath Ali KJeen Retna KUMAR R Preethi D Saranya N	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	2.15 PM to 2.30 PM	
131	Sarcasm Prediction: Textual Analysis Approach	VARUN GADI Palak Seth Dr. P. Suthanthiradevi	SRM Institute of Science and Technology	2.30 PM to 2.45 PM	
151	Leveraging Voice Analysis for Early Detection of Alzheimer's Diseases	Gopu G Geetha Devasena M S Banupriya V	Sri Ramakrishna Engineering College, Coimbatore, Tamilnadu	2.45 PM to 3.00 PM	
172	Brain Tumor Detection Using Deep Learning Algorithms	Vijayalakshmi Arunagiri Yaswanth Sri Seshagiri Nimmakayala	VIT University	3.00 PM to 3.15 PM	

Date: 14-11-2024

Timing: 1.30 PM to 3.15 PM

Technical Session 3 – Online (Track: T3-Artificial Intelligence)

Meeting

link: <https://zoom.us/j/92459838100?pwd=LJMcBb58FEmtupKmyVOUcIbqHVzFV3.1>

Passcode: 604932

Paper ID	Title of the paper	Author name	College Name	Time	Judges
173	Innovations in Deep Learning CNN Techniques for Precise Disease and Nutritional Deficiency Detection in Banana Plants -A Comprehensive Study	Siva Priya N Sujatha S	University College of Engineering BIT Campus Anna University Trichy	1.30 PM to 1.45 PM	Session Chair 1: Dr. Vedhapriya Vadana, University of the West of Scotland UK Session Chair 2: Dr.Shomona, Bahrain Polytechnic, Kingdom of Bahrain Internal Evaluator: Dr. Christopher Columbus C VIT Chennai Moderator: Dr. Madheshwari K VIT Chennai
200	Convergent Innovations: Merging Bio-Inspired Algorithms, Deep Learning, and Rough Sets for Enhanced Water Quality Management	Subash T Sujatha R	Vellore Institute of Technology, Vellore	1.45PM to 2.00PM	
202	NeuroScanAI: A State-of-the-Art AI-Based System for Comprehensive Imaging Evaluation of Neurological Disorders, Specifically Alzheimer's Disease	Shruti H Prathibhavani P M	UVCE	2.00 PM to 2.15 PM	
248	Hybrid ISL Recognition with Multilingual Speech Synthesis and Translation	Ganesh Chandrasekaran Prisha S Shobiha S Yaswanth B Chandru D	Sri Eshwar College of Engineering	2.15 PM to 2.30 PM	
273	Hybrid Model for Rice Variety Image Classification Using Convolutional Neural Networks and Advanced Machine Learning Techniques	Gopirajan PV Vel murugeshkumar N	SRM Institute of Science and Technology	2.30 PM To 2.45 PM	
275	R-Attention Based Transfer Learning for Effective Sarcasm Detection in Social Media Texts	Dr.P. Suthanthira Devi Sumathi S	SRM Institute of Science and Technology	2.45 PM to 3.00 PM	
280	Impact of Creative AI on Carbon Credit Accounting and Taxation: A Comprehensive Analysis of Existing Frameworks and SDG Goals 2030	Monu Bhardwaj Dr. Namrata Prakash Rupa Khanna Malhotra Vishal Sagar	Graphic Era Hill University	3.00 PM to 3.15 PM	

Date:14/11/24

Timing: 1.30 PM to 3.15 PM

Technical Session 4 – Online (Track: T4-Artificial Intelligence)

Meeting

link:<https://zoom.us/j/99281495749?pwd=ot86ZTzfLGmj2oADj8iuZMj1VqdOhT.1>

Passcode: 288501

Paper ID	Title of the paper	Author name	College Name	Time	Judges
315	Depression detection using Deep Learning and Image Recognition	PRABU SOLAI Karthikeyan K	Hindustan Institute of Technology and Science	1.30 PM to 1.45 PM	Session Chair 1: Dr.Ashwin Dobariya Marwadi University, Gujarat Session Chair 2:Ganapathy.S NIITTR Bhopal Internal Evaluator: Dr. Pradeep Kumar T S VIT Chennai Moderator: Dr. Sherly A VIT Chennai
314	Application of Deep Learning Techniques to Detect Plant Diseases: A Survey of Scholarly Works	Iqbal Md Ishtiaq MAS RINA MUSTAFA Fatimah Khalid Azreen Azman	UNIVERSITI PUTRA MALAYSIA	1.45PM to 2.00PM	
316	IoT-Based Human Activity Recognition Using Multi-Label Learning Techniques in Smart Environments: A Survey	Jamal Abdullahi Nuh	Management & Science University Malaysia	2.00 PM to 2.15 PM	
324	Ensuring the Correctness and Completeness of The Traceability Links through the Gamified Vetting Process	MashahiKhalafalla Abdelrahman, HazuraZulzalil, Abu Bakar Md Sultan, Norhayati Mohd Ali	UNIVERSITI PUTRA MALAYSIA	2.15 PM to 2.30 PM	
243	Forecasting Stock Market Trends: Time Series Data Analytics Enhanced By Google Trends	Sameer Ahamed	SRM Institute of Science and Technology, Ramapuram	2.30 PM to 2.45 PM	

Date: 14-11-2024

Timing: 1.30 PM to 3.15 PM

Technical Session 5 – Online (Track: T5- Automation)

Meeting link:<https://zoom.us/j/91800048250?pwd=Yjlege6xBMYq32dzLtzPsSh6CBKtvH.1>

Passcode: 844690

Paper ID	Title of the paper	Author name	College Name	Time	Judges
67	Object Detection Using UIPath	Shashank Basineni Venkata Deepsahith Killi Pavan Kumar Bangi Sherly Alphonse	Vellore Institute of Technology Chennai	1.30 PM to 1.45 PM	Session Chair 1: T.Senthil Kumar Professor, Amrita School of Computing, Coimbatore Session Chair 2: Dr.S.Karthiga Thiagarajar College of Engineering, Madurai Internal Evaluator: Dr. Dr. Umamaheswari E VIT Chennai Moderator: Dr. L.K.Pavithra VIT Chennai
267	Real-Time Predictive Monitoring System for Preventing Boiler Explosions in Industries	Kavin Kumar S Dhana Sekar V Dhayananth B Hariharan R Thinan S	Sri Eshwar College of Engineering	1.45PM to 2.00PM	
317	Assessing Knowledge and Information-Related Constructs of Knowledge Management Systems For Quality Management Systems	Mohammad Fakhrulnizam Mohammad Rusli Abdullah Marzanah A Jabar Rozi Nor Haizan Nor	Universiti Putra Malaysia	2.00 PM to 2.15 PM	
223	A Comprehensive Review of MITM Attack Based on Detection and Prevention in Wireless Network Environment	Dr.C. Bagyalakshmi Chandru	Hindustan Institute of Technology and Science	2.15 PM to 2.30 PM	
194	Employing Gated Recurrent Units for the Identification of Fake and Authentic Tweets: A Deep Learning Approach	Vasanthi Govindaraj	Senior Software Engineer National General (An Allstate Company) Dallas, Texas, USA	2.30 PM to 2.45 PM	