

# RASEFT : December 27, 2024

Workshops and Tutorials (Parallel Sessions)

At

Matrusri Engineering College(A), Saidabad

9:00-10:00	Registration		
9:30-10:00	Inaugural @ KVR Seminar Hall Chief Guest: Madumitha Chakraborty, Director®, CMSDS, DRDO, Kolkatta		
10:00-11:30	Workshop 1: Intelligent Application Development leveraging GenAI (Co-Pilot) by Mrs T Uma Rani , KVR seminar Hall, Old Block	Tutorial 1 : Digital Transformation for Sustainable Smart Forming using IoT/Cloud-based Technologies for Sustainability By Dr. K Murali Krishna N-401 Seminar Hall	Tutorial 3: Thermal Modeling of Power Electronics Converter by Mr. Yugal Kishore (O-406 Old Block)
11:30-11:45	Networking and Tea Break		
11:45-1:15	Workshop 2: Social and Environmental Sustainability of Generative AI by Vishnu S. Pendyala KVR Seminar Hall Old Block	Tutorial 2: 6G Wireless Communication Systems: Applications, Requirements, Technologies, Challenges, and Research Directions by Dr. Arun Agarwal N-401 Seminar Hall	Workshop 3: Electric Hybrid vehicles – design and control aspects by Dr.Madhuri Bayya, O-406 Old Block
1:15	Networking and LUNCH		
2:15			
2.15 onwards	Campus Tour		

IEEE Conference RASEFT 2024 on 28<sup>th</sup> Dec 2024 and 29<sup>th</sup> Dec 2024  
AT  
Maturi Venkata Subba Rao(MVSR) Engineering College(A)  
Nadergul

## Schedule for December 28, 2024

09:00 13:00	REGISTRATION
10:00	Inauguration Venue: Sri KVR Conference hall, Main building, MVSR College of Engineering, Hyderabad
11:30	Chief Guest: Dr. G. A. Srinivasa Murthy, Director, Defence Research & Development Laboratory (DRDL) Special Guest: Sri. Surendra Tipparaju Data & AI Architecture Group Leader   Technologist   Author   Mentor Microsoft
11:30	Tea
11:45	Keynote: Talk By Dr.C. S. Rao, Chairman & Co Founder , QUADGEN Wireless Solutions, Bengaluru
12:30	Topic: Sustainable Technologies and Innovations in the Digital Telco Cloud World/
12:30	Networking and LUNCH
13:30 14:00	Invited Talk: By: Mrs. Sireesha Bantu Director, Office of Sustainable Campus (OSC), OPRE, Asian Institute of Technology, Thailand. Topic: Global Sustainability through the Carbon Neutrality Pledge and Innovative Digital Solutions for the Carbon Market.
14:00- 14:05	SESSION 1: Track : 2 & 4 : Technologies for Networks and Security & Technologies of Advances 1. <b>Session Chairs:</b> Dr M A Jabbar, Prof., & HOD AIML. Vardhaman College of Engineering and Secretary IEEE Hyderabad. 2. <b>Session Chairs:</b> Dr C.V.R. Padmaja, Prof., CSE Institute of Aeronautical Engineering, Hyderabad.
14:05 – 14:20	Introduction of the Session Chairs  Paper 1: paper ID: 75 Facial Expressions Detection Model Using YOLOv5 Trained with Custom Images: Muhammad, Zunnurain Hussain, Bahria, University Lahore Campus, <b>Pakistan.</b> Paper 2: paper ID: 140 Zero Trust Security Architecture, Abhay Yelsangiker, BMS College of Engineering, Bangalore
14:20 – 14:35	Paper 3: paper ID: 141 Blockchain Enabled Digital Forensics, Shubha Rao V, B.M.S College Of Engineering, Bangalore
14:35 – 14:50	Breakout discussions
14:50- 15:05	TEA
15:05 to 16.25	Invited Talk By Sri. Chandra Mohan Malladi

	<p>Global Head - Enterprise Digital Products &amp; Platforms, Financial Inclusion &amp; Digital Public Infrastructure, TCS</p> <p><b>Topic: Achieving Sustainable Development Goals leveraging Digital Technologies.</b></p>
16:25-16:30	<p><b>SESSION 2: Track 4: Security &amp; Technologies of Advances</b></p> <p><b>Session Chairs:</b> Dr Padmasai Y, HOD, Prof. ECE, VNR VJIET, Hyderabad</p> <p><b>Session Chairs:</b> Dr V Jayaprakashan, HOD, Prof. ECE, SNIST and Treasurer IEEE Hyderabad</p> <p>Introduction of Session chairs</p>
16:30 – 16:45	<p><b>Paper 4: Paper ID: 314</b></p> <p>Advancements in image steganalysis: Integrating Deep learning and Statistical Feature Analysis, Amoghavarsha K, Jain (Deemed-to-be-University)</p>
16:45–17:00	<p><b>Paper 5: Paper ID: 389</b></p> <p>Implementing YOLO v8 Deep Learning Framework for Bird Species prediction ,Busireddy Bhagyashree, Vardhaman College of Engineering</p>
17:00 – 17:15	<p><b>Paper 6: Paper ID: 407</b></p> <p>A Systematic Review on Methods for Detection of Deep Fake Audio, Video and Image Contents using Machine Learning, Mr.K.Ravikant, GITAM University, Visakhapatnam Campus</p>
17:15–17:30	<p><b>Paper 7: Paper ID: 410</b></p> <p>UAV-Aided Road Damage Identification with YOLOv9, Telagamsetti Devi Sahithi, Vardhaman College of Engineering</p>
17:30 on words	Cultural Program/Hyderabad Tour

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## Schedule for December 29, 2024

09:30	<p>Sponsors Presentation : MassTec QuadGen Wireless, Banglore</p> <p>Sponsors Presentation: Cyber Security Centre of Excellence DSCI (A NASSCOM Initiative), Hyderabad</p>
10:15-10:45	<p>Invited Talk</p> <p>By Dr. Lakshminarayana Merugu, past chair IEEE, Hyd</p> <p>Director R&amp;D, Unistring Tech Solutions, Hyderabad,</p> <p><b>Topic: Technologies for Unmanned Aerial Systems (UAS).</b></p>
10:45-10:55	TEA
10:55-11:00	<p><b>SESSION 3: Track 1,4,&amp; 7: Technologies for Learning and Automation ,Technologies of Advances and Embedded Systems &amp; Internet of Things (IoT)</b></p> <p><b>Session Chairs:</b> Dr Sivakumar G, Assoc. Prof., EEE, NIT Warangal and Chair PES Hyderabad</p> <p><b>Session Chairs:</b> Dr. Seshamanand, Prof., CSE, MVSREC</p> <p>Introduction of the Session Chairs</p>
11:00 – 11:15	<p><b>Paper 08: Paper ID:433</b></p> <p>WASTO: Integrating Machine Learning and IoT for Waste Segregation</p> <p>Saleha Farha, Bhoj Reddy Engineering College For Women</p>
11:15 – 11:30	<p><b>Paper 09: Paper ID:477</b></p> <p>From Paper To Pixels: The Evolution Of College Management Through Automation Using</p>

11:30 – 11:45	Machine Learning, Prabhu K, Dr. Mahalingam College of Engineering and Technology, Pollachi <b>Paper 10: Paper ID:413</b> Mixed Federated Learning approach for Multiclass Image Segmentation, P Kiranmaie, CBIT, Hyderabad
11:45 - 12:00	<b>Paper 11: Paper ID:480</b> Predictive modeling of air quality using machine learning, R S Pavithra, Anurag University <b>12:00 – 12:15 Breakout discussions</b>
12-15 to 13:15	<b>NETWORKING AND LUNCH</b>
13:15 to 13:45	<b>Invited Talk:</b> <b>By: Dr.Sudha Tushara, Faculty member in the Department of Computer Science at Georgia State University, Singapore.</b> <b>Topic: Building a Sustainable Future with Cutting-Edge Technologies.</b>
13:45– 14:00	<b>SESSION 4:Track:10,11,12: : Power, Energy and Control Engineering, Transportation and Energy Storage, Sustainable Engineering and Future Technologies</b> <b>Session Chairs:</b> Prof. G. Sree Lakshmi, Prof., EEE, CVR College of Engineering, Hyderabad <b>Session Chairs:</b> Dr. E. Sreeshobha. Asst.Prof, EEE, Osmania University Hyderabad.
14:00 – 14:15	<b>Introduction of Session chairs</b> <b>Paper 12: Paper ID: 321</b> Electric vehicles: a mini overview, Ranjusha kp, SRM Institute of science and technology, Chennai
14:15 – 14:30	<b>Paper 13: Paper ID: 378</b> Hybrid Energy Integration via ZETA Converter and ANN assisted MPPT for Enhanced System Reliability, Thirupathi Allam, Jawaharlal Nehru Technological University, and Hyderabad.
14:30- 14.45	<b>Paper 14: Paper ID: 427</b> Artificial Intelligence Techniques for Electric Vehicle Battery Management Systems – A Critical Review, Ashok Kumar Bandla, Ramachandra College of Engineering, Eluru
14:45 14:55	<b>Paper 15: Paper ID: 484</b> AC and DC Performance Analysis of GaN-Based GAA FETs with High-K Spacers., Sneha Singh, National Institute of Technology Mizoram
14:45 14:55	<b>TEA</b>
14:55 - 15:00	<b>SESSION 5: Tracks: 8.10: VLSI Design Techniques and Power, Energy and Control Engineering.</b> <b>Session Chair:</b> Harsha Vardhini P A , Assoc. Prof. Vignan Institute of Technology and Science <b>Session Chair:</b> Dr I Sharath Chandra, MEC, Treasurer,IEEE SPS Hyd. Section
15:15- 15:30	<b>Introduction of Session chairs</b> <b>Paper 16: Paper ID: 493</b> Wireless Power Transmission and IoT Integration for Electric Vehicle Charging V Srilatha Reddy, CVR College of Engineering, Hyderabad
15:30- 15:45	<b>Paper 17: Paper ID:480</b> Controllers for Power Quality Improvement in Distributed Generation System with UPQC, Hari Prasad Bhupath, CVR College of Engineering, Hyderabad
15:45 - 16:00	<b>Paper 18: Paper ID:494</b> Comparison of Diode-Clamped, T-Type and ANPC Multilevel Inverters, Sree Lakshmi Gundebommu, CVR College of Engineering, Hyderabad

16:00- 16:05	<b>SESSION 6 : Track 5:Signal processing Technique</b> <b>Session Chair:</b> Dr. M.Naresh ,Assoc Prof.,ECE, Matrusri Engg College <b>Session Chair:</b> Dr. T Chandra Shekar, Assoc. Prof., EEE, MVSREC <b>Introduction of Session chairs</b> <b>Paper 19: Paper ID:455</b>
16:05- 16:20	Block Processing-based Diagonal Symmetry 2D FIR Filter Architecture Design using OBC DA, Venkata Krishna Odugu CVR College of Engineering, Hyderabad <b>Paper 20: Paper ID:472</b>
16:20- 16:35	Enhanced Deep Learning-based Image Dehazing Technique and Comparative Analysis Venkata Krishna Odugu CVR College of Engineering, Hyderabad
16:35 17:05	<b>Keynote:</b> <b>By: Dr. Sandip Chattopadhyay</b> <b>Founder – Director, Chandradeep Solar Research Institute, Registered under NITI</b> <b>Aayog, Govt. of India. Recognized by Ministry of Science &amp; Technology, Govt. of</b> <b>India.</b> <b>Topic: AI &amp; ML: Green Energy in India.</b>
17:05 17:45	<b>Valedictory Function</b>

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