



MATURI VENKATA SUBBA RAO (MVSR) ENGINEERING COLLEGE
(An Autonomous Institution)

(Sponsored by Matrusr Education Society, Affiliated to Osmania University)
Nadargul, Hyderabad - 501510 Website: www.mvsrec.edu.in
NBA Accredited B.E. Courses:- Civil, CSE, ECE, EEE, IT & Mechanical



Department of Computer Science & Engineering

**International Conference on Data Acquisition, Processing and Communication
(DAPCom-2024)**

(29th February 2024 – 02nd March 2024)

PROGRAM AT A GLANCE

29 th February2024(Thursday)		01 st March2024(Friday)		02 nd March2024(Saturday)	
Time	Event	Time	Event	Time	Event
09:00 - 09:45	Registration	09:00 - 10:00	Registration	09:00 - 10:00	Registration
09:45 - 11:15	Inauguration	10:00 - 11:00	Invited Talk:2 (Offline) (Dr. Konda Reddy M, Dept. of AI, IITH)	10:00-11:00	Invited Talk:5 (Offline) (Dr.ParikshithMahalle, Prof. Dept. of CSE, VIIT.)
11:15 - 11:45	Tea/Coffee Break	11:00 - 11:15	Tea/Coffee Break	11:00 - 11:15	Tea/Coffee Break
11:45 - 12:15	Keynote Talk 1 (Offline) (Dr. Luminita Moraru, University of Galati, Romania)	11:15 - 12:00	Invited Talk:3 (Offline) (Dr. JV Satyanarayana, Scientist G, RCI/DRDO, Hyderabad.)	11:15 - 12:00	Invited Talk:6 (Offline) (Ms. Santhi Kaza, Global Centre Lead, Thomson Reuters)
12:15 – 01.00	Invited Talk:1 (Online) (Prof. Nophea Sasaki, Professor, Asian Institute of Technology, Thailand)	12:00 - 1:00	Invited Talk:4 (Online) (Ms. Mona Dutt Prinjha, Head APJ and India Market, Global Sales, Nokia)	12:00 - 01:00	Paper Presentation Session 5 /Special Session4/ Poster Presentation 2
01.00 - 02:00	Lunch Break	01:00 -02:00	Lunch Break	01:00 -02:00	Lunch Break
02:00 – 03:00	Paper Presentation Session 1 & 2 /Poster Presentation 1	02:00 - 03:00	Paper Presentation Session 4/ Special Session 2 & 3	02:00 – 02:45	Keynote Talk:2(Offline) (Dr. Rajeev Wankar, Professor, SCIS, UoH)
03:00-03:15	Tea/Coffee Break	03:00-03:15	Tea/Coffee Break	02:45 – 03:00	Tea/Coffee Break
03:15-04:15	Paper Presentation Session 3/Poster Presentation 1	03:15-04:00	Special Session 3 &4	03:00 - 04:00	Valedictory

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INVITED TALKS & SESSIONS SCHEDULE

Date	Title of Talk& Speaker	Time
29 th Feb 2024	The richness and diversity of AI Tools and their continuous challenge. Dr. Luminita Moraru, University of Galati, Romania	11.45 AM-12.15 PM
	Detection of Droughts and Floods in Southeast Asia between 1980-2019 using Google Earth Engine. NopheaSaski, Asian Institute of Technology, Thailand	12:15 -01.00 PM
	Coresets for Data-efficient Machine (Deep) Learning Motivation and Methods. Dr. Konda Reddy Mopuri, Dept of AI, IITHyderabad, India	10:00 -11:00 AM
1 st March 2024	Trustworthy systems: A step closer to ubiquitous AI. Dr. J. V Satyanarayana, Scientist - G, RCI, DRDO, Hyderabad, India	11:15 AM-12:00 PM
	5G to 6G Evolution- an era of glorious possibilities. Ms. Mona Prinjha, Head APJ and India Market, Nokia	12:00 -01:00 PM
	Explainable AI for Engineering Application. Dr Parikshit Mahalle, Vishwakarma Institute of Information Technology, Pune, India	10:00 -11:00 AM
2 nd March 2024	Security is everyone's Business! Ms. Santhi Kaza, Global Center lead,Thomson Reuters, Bangalore, India	11:15 AM-12:00 PM
	Serverless Data Pipelines and its Applications in Edge & Fog Computing Environment. Dr Rajeev Wankar, Professor, School of Computer and Information Sciences, UoH, India.	02:00 -02:45 PM
Date	Session No & Title	Time
29 th Feb 2024	Session 1: Applications of IoT & AI (T&F)	2.00 to 4.00 PM
	Session 2: Applications of NLP (T&F)	2.00 to 4.00 PM
	Session 3: Data Security and Privacy in Distributed Environments (T&F)	2.00 to 4.00 PM
	Online Poster Presentation	3.30 to 4.30PM
1 st March 2024	Session 4: Applications of Machine Learning (UGC)	2.00 to 4.00 PM
	Special Session 2	2.00 to 4.00 PM
	Special Session 3	2.00 to 4.00 PM
	Special Session 4-A(T&F)	2.00 to 4.00 PM
2 nd March 2024	Session 5: Predictive Analytics and Future Trends (T&F)	12.00 to 1.30 PM
	Special Session 4B-I(UGC)	12.00 to 1.15 PM
	Special Session 4B-II(UGC)	12.00 to 1.00 PM

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SESSIONS SCHEDULE

International Conference on Data Acquisition, Processing and Communication

29th Feb 2024

(Hybrid Mode)

Program Schedule

Session 1: Applications of IoT & AI (T&F)

Time: 2.00 to 4.15 PM

Session Coordinator: A Saritha

Venue: CSE Lab 2

S.No	Paper ID	Title	Mode	Time
1	1	A Secure Pay-Per-Call API methodology for IoT using XNO	Offline	2.00 to 2.15 PM
2	11	Solar power-based river sweeper	Online	2.15 to 2.30 PM
3	16	Leveraging AI for Student attention estimation	Online	2.30 to 2.45 PM
4	43	Novel Match Point Approach for Monumental Image Identification	Online	2.45 to 3.00 PM
5	106	Modified Long Short-Term Memory Technique for Human Action Recognition from Videos	Offline	3.00 to 3.15 PM

3.15 to 4.15 Online Poster Presentation

S.No	Poster id	Title	Mode	Time
1	PO100	AutoML tools and hyperparameters tuning for heart disease prediction	Online	3.30 to 3.45 PM
2	PO101	Breast ultrasound image classification: models for features validation	Online	3.45 to 4.00 PM
3	PO102	Features selection - based on local information for breast cancer classification	Online	4.00 to 4.15 PM

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International Conference on Data Acquisition, Processing and Communication

29th Feb 2024

(Hybrid Mode)

Program Schedule

Session 2: Applications of NLP (T&F)

Time: 2.00 to 4.00 PM

Session Coordinator: B Ranjith Kumar

Venue: CSE Lab 3

S.No	Paper ID	Title	Mode	Time
1	39	Speech Recognition System Using Google cloud API with Notepad Integration	Offline	2.00 to 2.15 PM
2	86	Zero-Shot Document Classification Using Pretrained Models	Offline	2.15 to 2.30 PM
3	90	Boosting Sentiment Analysis Accuracy in Telugu with Data Augmentation	Offline	2.30 to 2.45 PM
4	110	Multi-Faceted User Modeling for Tailored Conversational Recommendations	Offline	2.45 to 3.00 PM
5	149	Software Defect Prediction using Automatic Feature Extraction	Online	3.00 to 3.15 PM

International Conference on Data Acquisition, Processing and Communication

29th Feb 2024

(Hybrid Mode)

Program Schedule

Session 3: Data Security and Privacy in Distributed Environments (T&F)

Time: 2.00 to 4.00 PM

Session Coordinator: N.Sabitha

Venue: CSE Lab 4

S.No	Paper ID	Title	Mode	Time
1	37	Solving Malware Mysteries using Reverse Engineering	Online	2.00 to 2.15 PM
2	103	Decentralized methodology for conducting SSS of NAAC using XNO	Offline	2.15 to 2.30PM
3	125	An enhanced energy management and security mechanism for efficient routing in wireless sensor network	Offline	2.30 to 2.45PM
4	147	Enhancing Privacy and Efficiency in Multi-Keyword Search on Encrypted Documents through Server-Side Index Computation	Offline	2.45 to 3.00PM
5	83	Beyond the Paradigm: Unraveling the Limitations of Object-Oriented Programming	Offline	3.00 to 3.15PM

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1st March 2024

(Hybrid Mode)

Program Schedule

Session 4: Applications of Machine Learning (UGC)

Time:2.00 to 4.00 PM

Session Coordinator: M.Dyna

Venue: CSE Lab 2

S. No	Paper ID	Title	Mode	Time
1	7	An Optimal ML Approach to Feature Engineering for the Prediction of Heart Diseases	Offline	2.00 to 2.15 PM
2	27	QA in Indian languages: An extensive survey of current research	Offline	2.15 to 2.30PM
3	33	Enhancing Predictive models for car price estimation: A Comprehensive Comparative Study	Online	2.30 to 2.45PM
4	73	AI powered STUDY-NOTION	Online	2.45 to 3.00PM
5	91	Vidarbha Region Crops Disease Identification: A Comparative Approach	Online	3.00 to 3.15PM
6	128	Securing RPL based IoT Networks: Machine Learning Approaches for Detecting Routing Attacks	Offline	3.15 to 3.30PM
7	169	Deep Learning Approaches for Diabetic Retinopathy Classification: A Comparative Analysis of Pretrained Models	Offline	3.30 to 3.45PM

International Conference on Data Acquisition, Processing and Communication

1st March 2024

(Hybrid Mode)

Program Schedule

Special Session 2

Time:2.00 to 4.00 PM

Session Coordinator: V.Satish

Venue: CSE Lab 3

S.No	Paper ID	Title	Mode	Time
1	120	Automatic Robotic Fire Detector and Sprinkler	Online	2.00 to 2.15 PM
2	111	An In-Depth Exploration of Contemporary Approaches for Detecting Botnet Attacks	Online	2.15 to 2.30PM
3	183	Virtual Keyboard Using Eye Blinking	Online	2.30 to 2.45PM
4	192	IOT based Remote Monitoring System (RMS) for Solar Water Pumping System	Online	2.45 to 3.00PM
5	204	Codebook Optimization using Hybrid Image Compression Models	Online	3.00 to 3.15PM

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1st March 2024

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Program Schedule

Special Session 3

Time: 2.00 to 4.00 PM

Session Coordinator: I. Navakanth

Venue: CSE Lab 4

S.No	Paper ID	Title	Mode	Time
1	30	Radial basis function neural network-based Seed selection	Online	2.00 to 2.15 PM
2	87	Handwriting Analysis and Personality Profiling using Image Processing and Machine Learning	Online	2.15 to 2.30 PM
3	115	Deceptive Review Detection in Online Social Networks	Online	2.30 to 2.45 PM
4	160	HelmSecure: A smart Helmet ensuring rider safety	Online	2.45 to 3.00 PM
5	99	Advances in predictive Cardiology: A Comprehensive Systematic Review of AI/ML Applications in CVD Prediction	Online	3.00 to 3.15 PM

International Conference on Data Acquisition, Processing and Communication

1st March 2024

(Hybrid Mode)

Program Schedule

Special Session 4A(T&F)

Time: 2.00 to 4.00 PM

Session Coordinator: K Padma

Venue: Lab 6

S.No	Paper ID	Title	Mode	Time
1	60	Internet of Things Based Air Quality Index Monitoring Using XGradient Boosting Regressor Model	Online	2.00 to 2.15 PM
2	121	Performance Comparison of A* Search Algorithm and Hill-Climb Search Algorithm: A Case Study	Offline	2.15 to 2.30 PM
3	89	Faculty Profile Generation and Student Feedback Evaluation-based on Text Summarization and Sentiment Analysis	Offline	2.30 to 2.45 PM
4	176	Stock Market Prediction using ML	Online	2.45 to 3.00 PM
5	116	Modal Frequencies of Box Truss Model Gear Box Using Machine Learning	Offline	3.00 to 3.15 PM
6	127	Forecasting of Indian Currency Exchange Rates Time Series Data Based on Deep Learning	Offline	3.15 to 3.30 PM
7	100	Color Image Segmentation of Diabetic Retinopathy Images using Co-Clustering Algorithms	Offline	3.30 to 3.45 PM
8	154	Early Detection of Breast Cancer by Deep Learning Algorithms through Histopathological Images	Offline	3.45 to 4.00 PM

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2nd March 2024

(Hybrid Mode)

Program Schedule

Session 5: Predictive Analytics and Future Trends (T&F)

Time:12.00 to 1.30 PM Session Coordinator: P Phani Prasad

Venue: CSE Lab 2

S.No	Paper ID	Title	Mode	Time
1	42	A Machine Learning Framework with Big Data Analytics for Predicting Air Pollution Across Cities	Online	12.00 to 12.15 PM
2	70	The Effect of Compressive Sensing on the Brain Tumour Detection with U2-Net: An Analysis	Offline	12.15 to 12.30 PM
3	67	Named Entity Recognition Using BioBERT	Online	12.30 to 12.45 PM
4	130	A Survey of Advancements in Anomaly Detection for Multivariate Time Series Data	Offline	12.45 to 1.00 PM
5	152	Time Series Evaluation of Influencing Factors of Poverty	Online	1.00 to 1.15 PM
6	35	Seizure Detection Using Densenet and LSTM Architecture	Online	1.15 to 1.30 PM

International Conference on Data Acquisition, Processing and Communication

2nd March 2024

(Hybrid Mode)

Program Schedule

Special Session 4B-I(UGC)

Time:12.00 to 1.15 PM Session Coordinator: M.Madhuri

Venue: CSE Lab 3

S.No	Paper ID	Title	Mode	Time
1	105	Automated Methods of Diabetic Retinopathy Detection from Traditional to Deep Learning Strategies - A review	Offline	12.00 to 12.15 PM
2	95	MusiConn - Discover people and music using Spotify and ML Techniques	Offline	12.15 to 12.30 PM
3	143	IoT based fault detection of underground cables using node MCU	Offline	12.30 to 12.45 PM
4	94	Blockchain based security in cloud computing architecture	Offline	12.45 to 1.00 PM
5	187	A Review Paper on Automatic Number Plate Recognition for Digital Gatekeeping	Offline	1.00 to 1.15 PM

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Program Schedule

Special Session 4B-II(UGC)

Time:12.00 to 1.00 PM Session Coordinator: Vikram Narayan Das Venue: CSE Lab4

S.No	Paper ID	Title	Mode	Time
1	214	Brain Tumor Detection and Classification	Online	12.00 to 12.15 PM
2	98	Advanced machine learning crypto price prediction and simulation trading	Online	12.15 to 12.30 PM
3	104	Survey-Cotton crop disease Detection and classification using ORC-Net segmentation and Deep learning methods	Online	12.30 to 12.45 PM
4	75	Multiple Format Video Steganography using AES 256 and RSA Encryption	Online	12.45 to 1.00 PM

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