



**2022 IEEE International Conference on
Distributed Computing, VLSI, Electrical Circuits and Robotics
(2022 IEEE DISCOVER)**
14-15, October 2022

IEEE Mangalore Subsection

Paper Presentation Schedule

Day: 1: 14.10.2022 Session: 1A Time: 12.30 PM to 1.30 PM Venue: MBA/MCA Auditorium						
Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track
1	12:30 PM - 2:40 PM	161	Chandrakantha T S	A Survey on Artificial Intelligence-based Lung Tumor Segmentation and Classification	Department of Post-Graduate Studies & Research in Electronics Kuvempu University, Jnanasahyadri, Shankaraghatta - 577451 Shimoga Dist., Karnataka State, INDIA	Healthcare
2	12:40 PM - 12:50 PM	135	Dr. Sukesh Rao M.	Adaptive Filter for the Removal of Baseline Wander and Detection of Pulse Event in Wrist Pulse Acquisition using Piezoresistive Pressure Sensors	Nitte (Deemed to be University), NMAM Institute of Technology, Nitte, Karnataka, India.	
3	12:50 PM - 1:00 PM	247	Pallavi Singh S	Securing Healthcare Data with Blockchain for Diabetic and Cardio Disease Prediction	Siddaganga Institute of Technology (Student)	
4	1:00 PM - 1:10 PM	256	Sindhura D N	Sub-Axial Vertebral Column Fracture CT Image Synthesis by Progressive Growing Generative Adversarial Networks (PGGANs)	Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal -576104, India	
5	1:10 PM - 1:20 PM	176	Pavithra K C	Statistical Analysis of Deep Learning Models for Diabetic Macular Edema Classification using OCT Images	Manipal Institute of Technology Manipal Academy of Higher Education, Manipal-576104, India	
5	1.20 PM - 1.30 PM	220	Rajesh G	Enhanced Time-to-Time Monitoring and Surveillance in Agriculture Warehouse for Diverse Harvest Crop Yields through IoT Gadget	New Horizon College of Engineering	EEE





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Day 1: 14.10.2022		Session: 1B		Time: 12.30 PM to 1.30 PM		Venue: Learning Hall-1	
Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track	
1	12.30 PM - 12.40 PM	72	Krishnaraj Chadaga	COVID-19 Mortality Prediction using Machine Learning: A Deep Forest Approach	Department of Computer Science and Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, 576104	Healthcare	
2	12.40pm to 12.50 pm	267	Janardhan C N	Deep Learning approaches to determine Gender based on Digital bones of skeleton: A Survey	Siddaganga Institute of Technology Tumakuru		
3	12.50pm to 1.00 pm	185	Vidya Sagar S. D.	A Vision Based Lane Detection Approach Using Vertical Lane Finder Method	Department of PG Studies & Research in Computer Science, Kuvempu University		
4	1.00pm to 1.10 pm	54	Aishwarya Balakrishnan	Parkinson's Disease Stage Classification with Gait Analysis using Machine Learning Techniques and SMOTE-based Approach for Class Imbalance Problem	Department of Biomedical Engineering, MIT, Manipal		
5	1.10pm to 1.20 pm	92	Varalakshmi Perumal	Tracing and decoding of covert phonemes using single channel Electroencephalogram with Machine Learning Techniques	Manipal Institute of Technology		





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Day 1: 14.10.2022		Session: 2A		Time: 4.30 PM to 5.30 PM		Venue: MBA/MCA Auditorium	
Sl. No	Timings	Paper Id	Authors Name	Title of the Paper		Institution Name	Track
1	4.30 PM - 4.40 PM	238	Divisha Jaisinghani	A Cascode Current Mirror Based 90 mV to 1.8 V Level Shifter with Alleviated Delay		Amrita Vishwa Vidyapeetham	VLSI
2	4.40 PM - 4.50 PM	125	Kavya Patel G S	Test Vector Generation and Sensitivity Analysis for Hardware Trojan Detection in Compact Rare Nodes		Amrita Vishwa Vidyapeetham, Coimbatore	
3	4.50 PM - 5.00 PM	187	Alla Srija	Voltage-Gated Spin-Orbit Torque Magnetic Tunnel Junction model analysis		MAHE Academy, Manipal Institute Technology, Manipal	
4	5.00 PM - 5.10 PM	180	Suruchi Chaturvedi	Design of Asynchronous Circular FIFO Buffer for Asynchronous Network-on-Chips		National Institute of Technology Karnataka, India	
5	5:10 PM - 5:20 PM	60	Ananya Choudhury	An optimized RISC-V processor with five stage pipelining using Tournament Branch Predictor for efficient performance		KLE Technological University	
6	5:20 PM - 5:30 PM	189	Chaitra S	The Design and Implementation of Synchronous and Asynchronous NoC Router		The National Institute of Engineering	





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Sl. No	Timings	Paper Id	Authors Name	Title of the Paper		Institution Name	Track
1	4.30 PM - 4.40 PM	177	Sanjana N	Comparison of Memristor Mathematical Model		The National Institute of Engineering, Mysuru	VLSI
2	4.40 PM - 4.50 PM	109	Sneha P Hiremath	Open-source hardware: Different Approaches to Softcore implementation		School of Computer Science and Engineering KLE Technological University Hubballi, India	
3	4.50 PM - 5.00 PM	59	Bhoomika Patil	A Survey on The Use of FPGA Automotive System		Student-Reva University	
4	5.00 PM - 5.10 PM	175	Mihir Ranjan	Development of Electrical Parameters Measurement Device with IoT Functionality		Manipal Institute of Technology	EEE
5	5:10 PM - 5:20 PM	179	Joel Rodrigues	Scalable, Cost Effective IoT Based Medical Oxygen Monitoring System for Resource Constrained Hospital Environment		CHRIST (Deemed to be University)	Healthcare





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Paper Presentation Schedule

Day 2: 15.10.2022		Session: 3A		Time: 9.30 AM to 10.30 AM		Venue: MBA/MCA Auditorium	
Sl. No	Timings	Paper Id	Authors Name	Title of the Paper		Institution Name	Track
1	9:30 AM - 9:40 AM	97	Sai Anish Malla	SWARM: Sanitizer with Attendance through Remote Monitoring		Department of Data Science and Computer Applications, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal	Healthcare
2	9:40 AM - 9:50 AM	174	Tarun Nair	An experimental study on modification of oxygen concentrator components for better purity		Amrita Vishwa Vidyapeetham	
3	9:50 AM - 10:00 AM	200	Divya Rani R	Human Action Recognition by Concatenation of Spatio-Temporal 3D SIFT and CoHOG Descriptors using Bag of Visual Words		Research Scholar	
4	10:00 AM - 10:10 AM	103	Apoorva Rao B	Detection and Analysis of Stress in Students using Machine Learning Algorithms		Sahyadri College of Engineering and Management	
5	10:10 AM - 10:20 AM	229	Srinidhi C	Improving the Performance of Sleep Apnea Screening System using Wavelets and Bottleneck Feature Fusion		Machine Intelligence Research Laboratory, Department of Electronics and Communication Engineering, Amrita School of Engineering, Coimbatore. Amrita Advanced Centre for Epilepsy and Sleep Medicine, Department of Neurology, Amrita Institute of Medical Sciences, Kochi. Amrita Vishwa Vidyapeetham, India	
6	10:20 AM - 10:30 AM	136	Sowmya R	Characterization of horticulture and general lighting- LEDs and Luminaires		Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India	EEE





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Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track	
1	9.30 AM - 9.40 AM	228	Shrustitha Jones	Comparative Study of Reconfigurable Origami Antennas	KLEMSSCET, Belagavi, KA, India	Communication	
2	9.40 AM - 9.50 AM	261	Ganeshwari A N	Enhancing Security for IoT Devices using Software Defined Networking (SDN)	Amrita Vishwa Vidyapeetham Mysuru		
3	9.50 AM - 10.00 AM	242	Sanjeetha R	Detection and Mitigation of Low and Slow DDoS attack in an SDN environment	Ramaiah Institute of Technology		
4	10.00 AM - 10.10 AM	128	H Srikanth Kamath	Performance Estimation in V2X Network	MIT MANIPAL		
5	10.10 AM - 10.20 AM	50	Feroz Morab	DoA Detection Under Heavy Noise and Fading	B.M.S. College of Engineering		
6	10.20 AM - 10.30 AM	51	Snehal Samanth	ECC-based Authenticated Key-Agreement Algorithm using Time-stamps for IoD networks	Manipal Institute of Technology,		





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Day 2: 15.10.2022		Session: 3C		Time: 9.30 AM to 10.20 AM		Venue: Learning Hall-5	
Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track	
1	9.30 AM - 9.40 AM	245	Abhilash SK	Person Attribute Recognition using Hybrid Transformers for Surveillance Scenarios	Sr. TechLead, Path Partner Technology Pvt. Ltd.	Robotics	
2	9.40 AM - 9.50 AM	37	Jimmy Patel	VLSI Implementation of Neural Network Based Emergent Behavior Model for Robot Control	DA-IICT, Gandhinagar		
3	9.50 AM - 10.00 AM	101	Sithara Mary Sunny	A Novel Technique to Mathematically Represent the Human Knee Dynamics through the Application of the Integral Concept	Department of Electrical & Electronics Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education		
4	10.00 AM - 10.10 AM	199	Sudesh Rao	A Novel Approach to Generate the Captions for Images with Deep Learning using CNN and LSTM Model	NMAMIT, NITTE		
5	10.10 AM - 10.20 AM	181	Prajwal K Naik	Sarcasm Detection in English Text using Tweets and Headlines	PES University		





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Day 2: 15.10.2022 Session: 4A Time: 2.00 PM to 3.00 PM Venue: MBA/MCA Auditorium

Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track
1	2:00 PM - 2:10 PM	259	Mehewish	Prediction of foot risk classification for Type II Diabetic through image analysis	Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal	Healthcare
2	2:10 PM - 2:20 PM	76	Rashmi P Shetty	Online Sequential Extreme learning machine-based hybrid model for forecasting of COVID19 cases in India	NMAM Institute of Technology, Nitte	
3	2:20 PM - 2:30 PM	239	Ruchitha P J	Comparative analysis of active contour random walker and watershed algorithms in segmentation of ovarian cancer	Global Academy of Technology	
4	2:30 PM - 2:40 PM	252	Shobha V	Prediction of Heart Disease using Computational Algorithms	Global Academy of Technology	
5	2:40 PM - 2:50 PM	116	Vasudeva Rao P V	AI-enabled Clinical Decision Support System	Sahyadri College of Engineering & Management	





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Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track
1	2:00 PM - 2:10 PM	84	Sadanand R. Inamdar	Route establishment in MANETs; Ameliorated with Tunicate Swarm Algorithm and Cross layer Interaction	University of Agricultural Science Bangalore	Communication
2	2:10 PM - 2:20 PM	155	M N Sujatha	Two Port Reflectionless Bandpass and Band stop filter Design using Microstrip T-shaped and Coupled Line Structures for C-Band applications	Siddaganga Institute of Technology, Tumkur	
3	2:20 PM - 2:30 PM	140	Shavantrevva Bilakeri	Strong Baseline with Auto-encoder for Scale-Invariant Person Re-identification	Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal-576104	Distributed Computing
4	2:30 PM - 2:40 PM	158	Shreya Sri Ramasubramanian	Voice Assisted Form Filling for the differently abled	PES University, Bengaluru	
5	2:40 PM - 2:50 PM	232	Balaji N	ANN Based Weather Analysis and Prediction	NMAM Institute of Technology, Nitte	





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Sl. No	Timings	Paper Id	Authors Name	Title of the Paper	Institution Name	Track	
1	2:00 PM - 2:10 PM	226	Balaji N	Text Summarization using NLP Technique	NMAM Institute of Technology, Nitte	Distributed Computing	
2	2:10 PM - 2:20 PM	111	Angad Sandhu	Improving Soybean Disease Prediction by Performing Late-Stage Re-Training Using Fireworks Algorithm	Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India		
3	2:20 PM - 2:30 PM	104	Rithesh Pakkala P.	A Prognostic Reasoning Model for Improving Areacanut Crop Productivity using Data Analytics Approach	Sahyadri College of Engineering & Management, Mangaluru and Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, India		
4	2:30 PM - 2:40 PM	107	Prakhyath Rai	Visualized Document Similarity Framework with the aid of Knowledge Graph	Sahyadri College of Engineering & Management, Mangaluru and Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, India.		
5	2:40 PM - 2:50 PM	182	Nithyashree V	Identification of Toxicity in Multimedia messages for Controlling Cyber bullying on social media by Natural Language Processing	Student-Dayananda Sagar University		

