

Distributed Computing											
1	1a	17-10-2025, 11:45 AM – 01:15 PM	Venue: MBA-01	34	376	383	459	483			5
2	1b		Venue: HPC lab	423	465	475	282	494	345		6
3	2a	17-10-2025, 03:15 PM – 05:15 PM	Venue: MBA-01	528	317	206	378	259			5
4	2b		Venue: HPC lab	341	322	478	485	18	246		6
5	3a	18-10-2025, 09:30 AM – 11:00AM	Venue: MBA-01	519	526	514	446	351	516		6
6	3b		Venue: HPC lab	373	270	523	480	325	401		6
7	3c		Venue: MPH	464	525	518	539	527			5
Healthacre											
8	1f	17-10-2025, 11:45 AM – 01:15 PM	Venue: MBA-02	6	278	267	355	183	185		6
9	1g		Venue: NT lab	1	537	342	285	27	214		6
10	2h	17-10-2025, 03:15 PM – 05:15 PM	Venue: MBA-02	467	513	496	432	346	337		6
11	2i		Venue: NT lab	538	238	388	396	254	521	247	7
12	3f	18-10-2025, 09:30 AM – 11:00AM	Venue: MBA-02	532	324	522	203	374	426		6
13	3g		Venue: NT lab	535	394	469	511	273			5
VLSI											
14	1d	17-10-2025, 11:45 AM – 01:15 PM	Venue: VLSI lab	224	103	416	299	302	264		6
15	2e	17-10-2025, 03:15 PM – 05:15 PM	Venue: VLSI lab	463	491	468	243	281	217	384	7
16	3e	18-10-2025, 09:30 AM – 11:00AM	Venue: VLSI lab	283	307	251	271	268			5
Electrical Circuits											
17	1e	17-10-2025, 11:45 AM – 01:15 PM	Venue: MPH	425	231	343	178	199			5
18	2f	17-10-2025, 03:15 PM – 05:15 PM	Venue: MPH	395	298	126	365	321			5
Communications											
19	1c	17-10-2025, 11:45 AM – 01:15 PM	Venue: AIML lab	440	266	293	233	400	385		6
20	2c	17-10-2024, 03:15 PM – 05:15 PM	Venue: AIML lab	274	534	377	204	308	309	482	7
21	2d		Venue: Unix Lab	64	512	194	457	520	244	490	7
22	3d	18-10-2025, 09:30 AM – 11:00AM	Venue: AIML lab	232	323	305	504	497	453		6
Robotics											
23	2g	17-10-2025, 03:15 PM - 05:15PM	Venue: Board Room	209	284	515	455	77	372	466	7

Track	Distributed Computing			
Session ID	1A			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. Harivind N(SJEC),		Dr. Gnane Swarnadh Satapathi(AJJET)	
ID	Title	Presenter	Institution	Other Authors
34	Optimizing Data Availability and Performance in Cloud Storage with Hybrid Network-Coding and Object-Based Storage Systems	Chintan Rajesh Pamnani	University of California, Irvine	Chintan Pamnani (Comcast)*
376	Cricinator: An AI-Driven Cricketer Guessing Game Leveraging Reinforcement Learning	Govind Kumar	PES University	Govind Kumar (PES University)*; S Thenmozhi (PES University)
383	AgroShakthi	Stuthi	NMAM INSTITUTE OF TECHNOLOGY	Surekha Pinnapati (AGM Rural College of Engineering and Technology); Manasa G R (NMAM INSTITUTE OF TECHNOLOGY)*; Anusha Anchan (A J Institute of technology); Shantabhushana Shantabhushana B M B M (AGM Rural College of Engineering and Technology); Shridhar S bilagi (Rao Bahadur Y Mahabaleswarappa Engineering college); Stuthi . (NMAM INSTITUTE OF TECHNOLOGY)
459	Animal Track Detection and Classification Using Vision-Based Deep Models	Disha S Rao	NMAM Institute of Technology, Nitte	Prathyakshini . (NMAM Institute of Technology Nitte (Nitte Deemed to be University))*; Prathwini . (Nitte (Deemed to be University) NMAM Institute of Technology (NMAMIT), Nitte); Disha S Rao (Nitte (Deemed to be University) NMAM Institute of Technology (NMAMIT), Nitte); Vaishnavi Kundeshwara Bhat (Monash University)
483	A Comprehensive Study of Text Classification Models for Hate Speech Detection in Resource-Limited Environments	Sai Mahith Reddy	Manipal Academy of Higher Education	Sai Mahith Reddy (Manipal Academy of Higher Education); Daksh Loiya (Manipal Academy of Higher Education); Srinivas S Kulal (Manipal Academy of Higher Education); Pradeep Reddy G (Manipal Institute of Technology)*; Raghavendra S (Manipal Academy of Higher Education)

Session ID	1B			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. Poornalatha G(MIT)		Dr. G S Hiremath(Sahyadri)	
ID	Title	Presenter	Institution	Other Authors
423	Employee Turnover Prediction Using Supervised Machine Learning Models: A Comparative Evaluation Approach	Manvi Anchan	NMAM INSTITUTE OF TECHNOLOGY	Venugopala P. S. (NMAM Institute of Technology, Nitte)*; Greeshma H Bhandary (NMAMIT); Manvi Anchan (NMAMIT); Nishmitha . (NMAMIT); Thrisha Santhosh (NMAMIT); Ashwini B (NMAMIT)
465	Augmenting Large Language Models with Dense Retrieval Techniques for Enhanced QA Performance	Saritha Shetty	NMAMIT (Nitte Deemed to be University), Nitte	Saviha Shetty (Nitte Deemed to be University); Saritha Shetty (NMAMIT (Nitte Deemed to beUniversity), Nitte)*; Joyston Menezes (University of Southern california)
475	Analyzing the Effect of Text Vectorization and Word2Vec on Bayesian Optimization for Mental Health Text Classification using Deep Learning	Esha Kunder	NITTE (Deemed to be University) NMAM Institute of Technology (NMAMIT)	Praveen Naik (NMAMIT, Nitte)*; Esha Kunder (NMAMIT, Nitte)
282	Predicting and Analyzing Near-Earth Objects (NEOs) Using Machine Learning	Ankitha K	Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte	Ankitha K (NMAMIT, Nitte)*; ADITHYA S NAYAK (NMAMIT, Nitte); ABHIN BALAKRISHNA (NMAMIT, Nitte); ASHIQ A (NMAMIT, Nitte); ASHMIKA K (NMAMIT, Nitte)

494	An Intelligent Indoor Plant Health Monitoring System Using Deep Learning and Computer Vision	Savin S S	P.A. College of Engineering Mangalore	Mohammed Zakir Bellary (P A College Of Engineering Mangalore)*; Savin S S (P A College Of Engineering-Mangalore); Ummar Farook Shahil (P A College of Engineering Mangalore); Joyline Dsilva (P A College of Engineering Mangalore); Aboobakkar Aqeef Ilal (P A College of Engineering Mangalore); Muhammed Nazal Razi (P A College of Engineering Mangalore)
345	Machine Learning Approach for Optimizing Insurance Customer Targeting using CatBoost	Abhijna N	NMAM Institute of Technology	Ankitha Shetty (NMAMIT, Nitte)*; Abhijna N (NMAMIT, Nitte); Ayush Chaudhari (NMAMIT, Nitte); Isha Naik (NMAMIT, Nitte); Krishna N Acharya (NMAMIT, Nitte)

Session ID	2A			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr.Ganesh Pai(CEC)			
ID	Title	Presenter	Institution	Other Authors
528	Quantum Nearest Neighbour Approach for Multi-Target Tracking in High Sea Clutter	Dr. John Prakash Veigas	AJ Institute of Engineering and Technology	John Veigas (A J Institute of Engineering and Technology, Mangaluru)*; Gnane Satapathi (A J Institute of Engineering and Technology, Mangaluru); Sharmila Kumari (PA College of Engineering, Mangaluru)
317	Elastic MapReduce for Scalable Image Processing in the Cloud	Pavan Kumar M P	JNN College of Engineering, shivamogga	RAKESH RAJ (ADICHUNCHANGIRI INSTITUTE OF TECHNOLOGY)*; Pavan Kumar M P (JNNCE,Shivamogga); Manjunath K N (Manipal Institute of Technology); Rangaswamy B E (Visveswaraya Technological University); Shamna N V (PACE); Pradeep N B (JNNCE,Shivamogga)
206	Optimized Detection of Crown-of-Thorns Starfish on the Great Barrier Reef Using Deep Learning Techniques	Nilaaraj M	Amrita Vishwa Vidyapeetham	Nilaaraj M (Amrita Vishwa Vidyapeetham); Pradeep R (Amrita Vishwa Vidyapeetham); Varun Sai Nadiminti (Amrita Vishwa Vidyapeetham); Anirudh K Warriar (Amrita Vishwa Vidyapeetham); Harikumar M E (Amrita Vishwa Vidyapeetham)*
378	Guidesphere: An Integrated Learning Material and Job Search Platform for Educational Enhancement	Vivek K. Sakalathi	SDM College of Engineering and Technology, Dharwad	Rani Shetty (SDM College of Engineering and Technology)*
259	Handling Imbalanced Credit Data with Interpretable ML Techniques	Girish K K	NIT Karnataka	Gulshan Kumar Thakur (National Institute of Technology Karnataka); Nancy Kumari (National Institute of Technology Karnataka); Shashank Sohith B Naik (National Institute of Technology Karnataka); Mani Prakash Yellaboina (National Institute of Technology Karnataka); Girish K K (National Institute of Technology Karnataka)*; Biswajit Bhowmik (National Institute of Technology Karnataka)

Session ID	2B			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr. Pushparaj Shetty(NITK)			
ID	Title	Presenter	Institution	Other Authors
341	Embedding Digital News Titles Using WordNet Knowledge and WSD over BERT Model	Anusha Ram	School of Computer Engineering, Manipal Institute of Technology, MAHE, Manipal	Anusha Ram (Manipal Institute of Technology)*; Manjula Shenoy K (Manipal Institute of Technology); Smitha N Pai (Manipal Institute of Technology)
322	BirdSonic: An AI-Powered System for Real-Time Bird Species Detection Using Audio Classification	Jeevan Bhandary	NITTE (Deemed to be University)	Jeevan Bhandary (Dr. NSAMFGC, Nitte); Spoorthi Shetty (NMAMIT,Nitte)*; Bharath S Bhat (Dr. NSAMFGC, Nitte); Mangala Shetty (NMAMIT, Nitte); Shreya Shetty (NMAMIT, Nitte)

478	AI-Driven Alumni Connect – A Centralized Platform for Alumni Engagement and Student Development	Megha P V	Sahyadri College of Engineering & Management	Megha P V (Sahyadri College of Engineering & Management)*; Amrutha M (Sahyadri College of Engineering & Management); Adhwith A (Sahyadri College of Engineering & Management); Thanush R (Sahyadri College of Engineering & Management); Mustafa Basthikodi (Sahyadri College of Engineering & Management)
485	Automated Sustainable Grading of Chali Arecanuts: A Machine Learning Approach to Quality Assurance	Chinmai Shetty	NMAMIT, Nitte	Chinmai Shetty (NMAM institute of technology)*; Malathi S Y (KLE Institute of Technology); Hareesh Inamdar (KLE Institute of Technology); Gangothri Sanil (Manipal Institute of Technology, Manipal Academy of Higher Education (MAHE),); Susama Bagchi (Chitkara University Institute of Engineering and Technology, Chitkara University,); Sanjoy Kumar Debnath (Chitkara University Institute of Engineering and Technology,)
18	Selective Recompression for Image Forgery Localization in non-JPEG Images	Wincy Abraham	Assumption College Autonomous, Changanassery, Kerala	Wincy Abraham (Mangalore University)*; Shekar B H (Mangalore University); Bharathi Pilar (University College, Mangalore)
246	Exploring the implications of stability in reduced feature set based Offline signature verification	Bhavani S D	JSS Science Technology University	Bhavani S D (JSS Science Technology University); Bharathi R K (JSS Science and Technology University)*

Session ID	3A			
Date	18-10-2025, Saturday			
Time	09:30 AM - 11:00 AM			
Session Chairs	Dr. Jeevitha B K(VCET)		Dr. Sheela S	
ID	Title	Presenter	Institution	Other Authors
519	Vulnerability Assessment of Service Mesh-Based Microservices having Workflow Dependencies	Sivakumar Kaliappan	National Institute of Technology Karnataka	Sivakumar Kaliappan (National Institute of Technology Karnataka)*; Santhi Thilagam P (National Institute of Technology Karnataka)
526	Smart Farming Assistant for Crop Advice and Disease Detection	Khushi R. Haldankar	SJEC, Mangaluru	Preethi Salian K (NMAMIT,NITTE)*; Supriya Salian (St Joseph Engineering College, Vamanjoor); Ritesh - (St Joseph Engineering College, Vamanjoor); Ria Dsouza (St Joseph Engineering College, Vamanjoor); Prathiksha S. Poojari (St Joseph Engineering College, Vamanjoor); Khushi R. Haldankar (St Joseph Engineering College, Vamanjoor)
514	Cancellable Fingerprint Biometrics with Liveness Assurance and Blockchain Integration for Secure Payment Systems	Vidya Kumari	Mangalore University	Vidya Kumari (St Aloysius deemed to be University)*; BH Shekar (Mangalore University)
446	Ultrasound-Based Automated Detection of Critical Fetal Parameters and Early Risk Stratification Using AI	shreelakshmi Pai	Sahyadri College of Engineering & Management	shreelakshmi Pai (Sahyadri College of Engineering & Management)*; Anish Dileep Gunagi (Sahyadri College of Engineering & Management); Aneesh M (Sahyadri College of Engineering & Management); Shubham Azad (Sahyadri College of Engineering & Management); Mustafa Basthikodi (Sahyadri College of Engineering & Management)
351	Money Laundering through E-Wallets: Analyzing Implications and Detection Strategies	Girish K K	NIT Karnataka	Girish K K (National Institute of Technology Karnataka, Surathkal)*; Biswajit Bhowmik (National Institute of Technology Karnataka, Surathkal)

516	Empowering Wildlife Conservation Through Real-Time Anti-Poaching System	Dr.Gurusiddayya Hiremath	Sahyadri College of Engineering & Management	Dr.Gurusiddayya Hiremath (Sahyadri College of Engineering & Management, Magaluru)*; Harshith N (Sahyadri College of Engineering & Management, Magaluru); Ms. Soujanya N (Sahyadri College of Engineering & Management, Magaluru); Mr. Srikara R (Sahyadri College of Engineering & Management, Magaluru); Mr. Pavan P N (Sahyadri College of Engineering & Management, Magaluru)
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Session ID	3B
Date	18-10-2025, Saturday
Time	09:30 AM - 11:00 AM

Session Chairs	Dr John P Vegas(AJIET)	Dr.Bharathi RK(JC MYSORE)		
ID	Title	Presenter	Institution	Other Authors
373	A Multimodal Approach to Geolocation Extraction: Leveraging Wikipedia, Person-Specific Data, and NLP for Enhanced Geographic Entity Recognition	Madhusmita Sahoo	Manipal Institute of Technology, MAHE, Manipal	madhusmita sahoo (Manipal Institute of Technology, MAHE); Ramakrishna M (Manipal Institute of Technology)*; Tanvi Banerjee (Wright State University)
270	Multimodal Deep Learning Framework for Automated Slide Generation from Educational Videos	Akash Kumar	Pes University	Akash Kumar (Pes University)*; Thenmozhi S (Pes University)
523	Oil Spill Detection in Ocean Waters Using Remote Sensing Imagery	K Shravya Shetty	St Joseph Engineering College Mangaluru	Dr Harivinod N (St Joseph Engineering College, Mangalore)*; Raksha K (St. Joseph Engineering College); K Shravya Shetty (St. Joseph Engineering College); Prajna Prajna (St. Joseph Engineering College); Priyanka S Mayya (St. Joseph Engineering College)
480	An AI-Driven Acoustic Monitoring Framework for Comprehensive Bee Hive Health Assessment	Raksha Kini	Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte, India	Raksha Kini (NMAM Institute of Technology, Nitte University); Navaneeth Bhaskar (NMAM Institute of Technology, Nitte University)*; Rhea Dmello (NMAM Institute of Technology, Nitte University); Vaishnavi J Bangera (NMAM Institute of Technology, Nitte University); Sanjana Bokde (NMAM Institute of Technology, Nitte University)
325	Copra Detection and Grading for Agricultural Quality Automation	Githali Joshi	NMAM Institute of Technology, Nitte	Mangala Shetty (NMAMIT, Nitte); Spoorthi Shetty (NMAMIT,Nitte)*; Kanthashree Jain (NMAMIT, Nitte); Dishali Avlin Palanna (NMAMIT, Nitte); Githali Joshi (NMAMIT, Nitte)
401	Explainable and Adversarially Evaluated CNN for Visual Phishing Detection	Shruthi Vishwajeeth, Devikrishna K S	Sahyadri College of Engineering and Management, SJEC	Shruthi Vishwajeeth (Sahyadri College of Engineering and Management)*; Devikrishna K S (St Joseph Engineering College); Shruthi K Anchan (St Joseph Engineering College)

Session ID	3C
Date	18-10-2025, Saturday
Time	09:30 AM - 11:00 AM

Session Chairs	Dr. Anushree Raj (MITE)	Dr.Shashirekha(Mangalore University)		
ID	Title	Presenter	Institution	Other Authors
464	Improving Fruit Detection and Quality Analysis via HSI and Deep Learning	Azhar Baig M	Ballari Institute of Technology and Management, Ballari	HARI KRISHNA H (BITM,BALLARI)*; Dr. Aradhana D (BITM,BALLARI); Azhar Baig M (BITM,BALLARI); Manjunath Y Kammar (BITM,BALLARI); Dr Jagadish R M (BITM,BALLARI); Hayath T M (BITM,BALLARI)

525	Query Based Video Synopsis	Anwaya k	St Joseph Engineering College, Mangaluru	Dr Harivinod N (St Joseph Engineering College, Mangalore)*; Adwaitika Prakash (St Joseph Engineering College, Mangalore); Anwaya K (St Joseph Engineering College, Mangalore); Chandrika Patil (St Joseph Engineering College, Mangalore); Iddya Saksha Rajesh (St Joseph Engineering College, Mangalore)
518	Blockchain-integrated Multibiometric System for Person Authentication using Fingerprint and Palmprint	Swathi K	Sri Bhuvanendra College, Karkala	Swathi K (Sri Bhuvanendra College, Karkala)*; B H Shekar (Mangalore University)
539	CPU-GPU Cooperative Execution of Data-Parallel CUDA Kernels	Raju K	NMAM Institute of Technology (NMAMIT), Nitte	Raju K (NMAMIT Nitte)*; Niranjan N Chiplunkar (NMAM Institute of Technology, NITTE (Deemed to be University)); Ranjan Kumar H S (Shri Madhwa Vadiraja Institute of Technology and Management Bantakal, Udupi, Karnataka)
527	Deep Learning based Face Detection Approaches: A Comprehensive Review	Ganesh Pai	Canara Engineering College, Mangalore	Ganesh Pai (Canara Engineering College)*; Sharmila Kumari (P. A. College of Engineering)

Track	Communications			
Session ID	1C			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. K Ganesh Aithal,	Dr. Manjaiah B U		
ID	Title	Presenter	Institution	Other Authors
440	Emerging Spectrum Sharing Techniques for Intelligent Wireless Networks: From Cognitive Radios to Blockchain-Based Decentralization	KISHORE H N	BGS Institute of Technology	Kishore HN (BGS Institute of Technology)*; Vani N (BGS Institute of Technology)
266	Comparative Study of Water Quality Prediction across Domains using Machine Learning	Dixen Jolvin Rodrigues	Manipal Institute of Technology	Dixen Jolvin Rodrigues (Manipal Institute of Technology); Prathik Kotian (Manipal Institute of Technology); Ashutosh Holla (Manipal Institute of Technology)*; Girisha S (Manipal Institute of Technology)
293	Achieve a Dynamic and Reliable Web Service using Network Load Balancer on Cloud platforms	B Sunil Kamath	NMAM Institute of Technology	B Sunil Kamath (NMAM Institute of Technology, Nitte)*; Mukesh Kamath B (Jyothi Institute of Technology)
233	IoT-Based Monitoring And Control System For Fish Farm Aquaculture Environment	Dhiraj Kumar Yadav	Jain Deemed to be University	Dr Raghu N (Jain University)*; Dhiraj Kumar Yadav (Jain Deemed to be University); Ritish Kanoujia (Jain Deemed to be University); Nishat Jahan Sanjidah (Jain Deemed to be University)
400	A Comparative Study on Blocking Performance of Wavelength Routing Strategies in Optical Backbone Networks	Ms Padmini Bhat	St Joseph Engineering College	Padmini Bhat (St Joseph Engineering College)*; Sunitha Guruprasad (St Joseph Engineering College); K.V.S.S.S Sairam (N.M.A.M Institute of Technology, Nitte)
385	A study on the effect of polarization scrambling on the signals transmitted over single mode fiber	Anushka PK	Government College of Engineering, Kannur	Amal Jani (Cochin University of Science and Technology(CUSAT))*; Anushka P K (Govt.College of Engineering Kannur); Naveen Kumar (Indian Institute of Science); Shivalaleela E S (Indian Institute of Science)

Session ID	2C			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr. Sathyanarayana V S	Dr.Ashish Singh(NMAMIT)		
ID	Title	Presenter	Institution	Other Authors
274	Enhancing Food (Turmeric) Supply Chain Transparency Using Automated Smart Contracts	CLIFFORD THIYAM	Dayananda Sagar University	Clifford Thiyam (Dayananda Sagar University)*; Mala B A (Dayananda Sagar University); Deolin Avrel Saldanha (Dayananda Sagar University); Dhatri C. V. (Dayananda Sagar University); Akshaya C (Dayananda Sagar University)
534	A Multilingual Handwritten OCR System Using CNN-BiLSTM-CTC	Mr. Dadapeer	BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT	Mr. Dadapeer (BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI)*; Yeresime Suresh (BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI)

377	Realistic GPS Spoofing Dataset Generation with RF Augmentation for Adversarial Environment Simulation	Menakadevi N	Amrita Vishwa Vidyapeetham	Menakadevi N (Amrita Vishwa Vidyapeetham); Vijay Venkatesan V (Amrita Vishwa Vidyapeetham); Pujitha Reddy K (Amrita Vishwa Vidyapeetham); Gandhiraj R (Amrita Vishwa Vidyapeetham)*
204	Two-Tier Intrusion Detection Mechanism in SOME/IP Automotive Communication Systems	Jammalamadaka Bhargav	Amrita Vishwa Vidyapeetham	Bhargav Jammalamadaka (Amrita Vishwa Vidyapeetham); Gandhiraj R (Amrita Vishwa Vidyapeetham)*; Manoj Kumar Panda (Amrita Vishwa Vidyapeetham); Arpit Agarkar (Centre of Excellence ADAS, Tata Consultancy Services, Pune)
308	Full-Duplex Non-Orthogonal Multiple Access in Relay-Assisted Power Line Communication	Dr. Roopesh R	Dr. Ambedkar Institute of Technology	Roopesh Ramesh (Dr. Ambedkar Institute of Technology)*; Sanjeev Gurugopinath (MMRFIC); R Muralishankar (EWIT)
309	Fake News Detection Using AI: A Hybrid Approach with ML, Deep Learning, and LLaMA Models	Sagar P Patil and Tejasvi Bellubbi	Dr. Ambedkar Institute of Technology	Roopesh Ramesh (Dr. Ambedkar Institute of Technology)*; Sagar P Patil (Dr. Ambedkar Institute of Technology); Tejasvi Bellubbi (Dr. Ambedkar Institute of Technology)
482	IoT-Based Smart Irrigation System for Optimized Water Usage in Agriculture	Dr Biswajit R Bhowmik	National Institute of Technology Karnataka, Surathkal	Mani Prakash Yellaboina (National Institute of Technology Karnataka); Biswajit Bhowmik (National Institute of Technology Karnataka)*

Session ID	2D			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr. Chandana (SCEM)	Dr.Asif Hassan(PACE)		
ID	Title	Presenter	Institution	Other Authors
64	Application of Federated Learning in IOT Security for Signature Based Attacks	Damodar Prabhu K	Manipal Institute of Technology	Damodar Prabhu K (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Renuka A (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)*; Vanajakshi J (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)
512	Malware Analysis Using Machine Learning Algorithms	Tanzila NArgis	NMAMIT	Tanzila Nargis (NMAMIT)*; Sharada Shenoy (NMAMIT); Suhail Shaha (NMAMIT); Navya Rao (NMAMIT); Prajna Pai (NMAMIT); Prarthana M Kunder (NMAMIT)
194	Enhanced Multilingual Communication with an AI Language Translation Tool	Dr MINU P ABRAHAM	NMAM Institute of Technology	MINU ABRAHAM (NMAM Institute of Technology(Deemed to be University))*; Shraven R Kamath (NMAM Institute of Technology(Deemed to be University)); Shabari Shedthi B (NMAM Institute of Technology(Deemed to be University)); K R Udaya Kumar Reddy (Dayananda Sagar University); Khawar Mushtaqpara (NMAM Institute of Technology(Deemed to be University)); Mohammad Naqeeb Sheikh (NMAM Institute of Technology(Deemed to be University))

457	Secure Data Recovery for Disruption-Resilient Decentralized Military Networks	Sharath Kumar	NMAM Institute Of Technology	Sharath Kumar (Nitte (Deemed to be University), NMAM Institute Of Technology (NMAMIT).)*; Savitha Shenoy (Shri Madhwa Vadiraja Institute of Technology and Management); Renita Pinto (Mangalore Institute of Technology and Engineering); Santhosh Kumar G M (Tontadarya College of Engineering); Manjunatha H. M (Bapuji Institute of Engineering and Technology); P Devdat (Nitte (Deemed to be University), NMAM Institute Of Technology (NMAMIT).)
520	Person Authentication with Cross-Attention and Sparse Feature Selection: A Multi-modality based Lightweight Approach	Swathi K	Sri Bhuvanendra College, Karkala	Swathi K (Sri Bhuvanendra College, Karkala)*; B H Shekar (Mangalore University)
244	Adversarial Attacks on 6G Networks- A Survey	Akash Rajesh Nair	Dayananda Sagar College of Engineering	Anitha M (Dayananda Sagar College of Engineering)*
490	TuluAgri Assist: Personalized Voice Assistant for Agriculture and Farming Support	Ms. Saritha Shetty	Nitte deemed to be University	Saritha Shetty (Nitte deemed to be University); Savitha shetty (Nitte Deemed to be University)*; Nikitha Bangera (Nitte Deemed to be University)

Session ID	3C			
Date	18-10-2025, Saturday			
Time	09:30 AM - 11:00 AM			
Session Chairs	Dr. Ashwini S R(JNNCE)	Dr.Aslam Nandyal		
ID	Title	Presenter	Institution	Other Authors
232	Network Performance Optimization Using Huffman Compression	Goukanapalli Siddartha Reddy	Amrita Vishwa Vidyapeetham	Ambagouri Nambiar (Amrita Vishwa Vidyapeetham); Goukanapalli Siddartha Reddy (Amrita Vishwa Vidyapeetham); Anita J P (Amrita Vishwa Vidyapeetham)*
323	English-Hausa Question-Answer Parallel Corpus Development to Bridge the Low-Resource Gap	Alhaji Idi Babate	mangalore University	Idi Babate (mangalore University)*; Hosahalli Lakshmaiah Shashirekha (Mangalore University)
305	DVSAT: Designing Cyber Risk Assessment Framework for Next Generation Communication Networks, Applications and APIs	Vyasaraj Taribalalu	Dayananda Sagar University	Durbadal Chattaraj (Dayananda Sagar University)*; Taribalalu Vyasaraj (Dayananda Sagar University); S Sairaj (Dayananda Sagar University); Abishek H Krishna (Dayananda Sagar University); Theerthesh M R (Dayananda Sagar University)
504	Low Frequency Compact Antenna with Stepped Impedance Feed for GPR Applications	DR.PRASANNA G PAGA	Nitte Deemed to be University	Prasanna paga (Nitte Deemed to be University,Nitte Meenakshi Institute of Technology,Yelahanka,Bengaluru-64)*; Sumeet Patil (Nitte Deemed to be University,Nitte Meenakshi Institute of Technology,Yelahanka,Bengaluru); Shivaraj S (Nitte Deemed to be University,Nitte Meenakshi Institute of Technology,Yelahanka,Bengaluru-64); Darshan S (Nitte Deemed to be University,Nitte Meenakshi Institute of Technology,Yelahanka,Bengaluru-64)

497	INDIGENOUS TECHNOLOGY IN CONFIGURATION,DESIGN, DEVELOPMENT AND REALISATION OF LARGE SIZE ANTENNA SYSTEM FOR INDIAN DEEP SPACE MISSIONS.	DR.PRASANNA G PAGA	Nitte Deemed to be University	Narahai Datta (Nitte Deemed to be University.Nitte Meenakshi Institute of Technology,Yelahanka,Bangalore)*; Prasanna paga G (NMIT)
453	Towards Better APE: Improving Neural Machine Translation for Under-resourced Languages via Hybrid-attention Dual-encoder Post Editing	Asha Hegde	Mangalore University	Asha Hegde (Mangalore University)*; Shashirekha Hosahalli Lakshmaiah (Mangalore University)

Track	VLSI			
Session ID	1D			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. Kavitha S (NMAMIT)	Dr.Sayedabdul Hayan(PACE)		
ID	Title	Presenter	Institution	Other Authors
224	Asymmetrical Schmitt Trigger-SRAM Based Compute-in-Memory (AST-CIM) Unit for Multiplication Operations and Result Store	Kanugula Sneha	Amrita Vishwa Vidyapeetham	Sneha Kanugula (Amrita Vishwa Vidyapeetham); Navaneet Anilkumar (Amrita Vishwa Vidyapeetham); Daksh Dobhal (Amrita Vishwa Vidyapeetham); Kirti Pande (Amrita Vishwa Vidyapeetham)*
103	Supervised Learning-Driven Hardware Trojan Detection with Adaptive Genetic Algorithm Optimization	Varadha S	Amrita Vishwa Vidyapeetham	RAMESH S R (Amrita Vishwa Vidyapeetham)*; Varadha S (Amrita Vishwa Vidyapeetham)
416	Power-Efficient RISC-V Processor Customization for Digital Mixer Application	Greeshma Girish	Amrita Viswa Vidyapeetham	Greeshma Girish (Amrita Viswa Vidyapeetham)*; Harish Ram D S (Amrita Viswa Vidyapeetham)
299	Evaluation of Flexible Patch Antennas in the ISM Band for Advanced Healthcare Applications	Rajesh G	New Horizon College of Engineering	Rajesh Gundlapalle (New Horizon College of Engineering)*; Gurulakshmi A.B. (New Horizon College of Engineering); Chiranthana Reddy (New horizon College of Engineering); Priyanshi Bharvesh (New Horizon College of Engineering); Bhawna Khokhar (New Horizon College of Engineering); Sanjeev Sharma (New Horizon College of Engineering)
302	Majority Logic Based Hybrid Nonvolatile Full Adder for CIM Architecture	Vijayalatha Devadiga	MIT, Manipal	VIJAYALATHA DEVADIGA (MIT,MANIPAL)*; Dr.Prashanth Barla (Manipal Institute of Technology, MAHE, Manipal-576104); Dr.Somashekara Bhat (Manipal Institute of Technology, MAHE, Manipal-576104)
264	Performance Prediction and Optimization of Network-on-Chip Architectures Using Machine Learning	Vadlamudi Himasree	NITK	Himasree Vadlamudi (NITK); Monika Gautam (NITK); Anusha Hegde (National Institute of Technology Karnataka)*; Biswajit Bhowmik (NITK)

Session ID	2E			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Kiran Kumar V G (AJIET)	Dr.Abdullah Gubbi(BIT)		
ID	Title	Presenter	Institution	Other Authors
463	Implementation and Performance Evaluation of Fundamental Sorting Algorithms Using Verilog	Dr. Tanya Mendez	NMAM Institute of Technology, Nitte	Dr. Tanya Mendez (NMAM Institute of Technology, Nitte)*; Ghanashyam N V (NMAM Institute of Technology, Nitte (Deemed to Be University)); Amritha Balakrishnan (NMAM Institute of Technology, Nitte (Deemed to Be University)); Aswanth Puthalath (NMAM Institute of Technology, Nitte (Deemed to Be University))

491	Semantic Features Guided Graph-Based Hardware Trojan Detection and Localization	Arun Kumar N	PES University, Bengaluru	Arun Kumar N (PES UNIVERSITY, BENGALURU);*; Vaishnavi Sankar (PES UNIVERSITY); Nirmala Devi (PES UNIVERSITY)
468	Interplay of Doping and Morphology in V2O5: Insights from Cd substitution	Dr. Niju Rajan	NMAM Institute of Technology	Niju Rajan (NMAM Institute of Technology)*; Dr. D V Manjunatha (Navkis College of Engineering); Aparna V (Manipal Institute of Technology, MAHE)
243	Signal Integrity Analysis and Glitch Reduction Techniques for RISC-V Design	Pavitra Shivappa	Eklakshya Innovation Labs	Pavitra Shivappa (eklakshya Innovation Labs)*; Mahendra Gowda (eklakshya Innovation Labs); Chambamma Koti (eklakshya); Poornima Mohanachandran (eklakshya)
281	An Efficient Approximate Restoring Divider	Ameena Dudekula	Amrita Vishwa Vidyapeetham	Ameena D (Amrita Vishwa Vidyapeetham); vinodhini M (Amrita Vishwa vidhyapeetham)*
217	Optimized Ternary Wallace Multiplier using Ternary Excess - One Converter for FPGA Applications	Jangam Vaijanath	Amrita Vishwa Vidyapeetham	Jangam Vaijanath (Amrita Vishwa Vidyapeetham)*; Sarda Sharma (Amrita Vishwa Vidyapeetham); Vinodhini M (Amrita Vishwa Vidyapeetham)
384	Adaptive Graph Attention Network-Approach for Detecting Hardware Trojans	Nanditha Nagesh	PES University	nanditha n (pes university)*; vaishnavi sankar (pes university); nirmala devi (pes university)

Session ID	3D			
Date	18-10-2025, Saturday			
Time	09:30 AM - 11:00 AM			
Session Chairs	Dr. Sushma P S (NMAMIT)		Dr.Shankar B B (NMAMIT)	
ID	Title	Presenter	Institution	Other Authors
283	Adaptive and Fault-Tolerant Task Scheduling for 2D Network-on-Chip Architectures	Happy Jangir	NIT Karnataka	Happy Jangir (NIT Karnataka); Kalp Patel (NIT Karnataka); Sunil Kumar (NIT Karnataka)*; Sanjay Raju (NIT Karnataka); Biswajit Bhowmik (NIT Karnataka)
307	Impact of CMOS Technology Scaling on ALU Performance: EDA-Based Study with GPDk Libraries	Ayush Kumar Sinha	Manipal Institute of Technology	Ayush Kumar Sinha (Manipal Institute of Technology (MIT),)*; Aneesh Pingle (Manipal Institute of Technology (MIT),); Arjun Sunil Rao (Manipal Institute of Technology); Basavaraj S Sannakashappanavar (Dayanand Sagar College of Engineering); Mahendra H N (JSS Academy of Technical Education); S. Senthil Kumar (CMS college of Engineering and Technology)
251	Low Power SRAM-based In-Memory Computing with Self Write Feature	Prexa Parmar	SVNIT	Prexa Parmar (SVNIT); Deepak Joshi (SVNIT); Sandeep Mishra (SVNIT)*
271	Design and Analysis of Switched-mode Inductor-based DC-DC Buck Converter with Voltage-Mode Control	Chethan S P	Manipal School of Information Science	Chethan S P (Manipal School of Information Sciences)*; Dr Prashanth Kumar Shetty (Manipal School of Information Sciences); Tejas C Ghorpade (Manipal School of Information Sciences); Srikanth K (Manipal School of Information Sciences)
268	Performance Evaluation of STT and SOT MTJ-Based Majority Gate Designs for In-Memory Computing	Tina K. Shekhawat	Manipal Institute of Technology, Manipal	Vinod Joshi (Manipal Institute of Technology, Manipal)*

Track	Electrical Circuits			
Session ID	1E			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. Latha Shenoy NMAMIT	Dr. Sanath Saralaya(SJEC)		
ID	Title	Presenter	Institution	Other Authors
425	Implementation of Approximate Softmax Function for Neural Network	MEKALA SAI VAISHNAVI	AMRITA VISHWA VIDHYAPEETHAM	Anusha K S (Amrita Vishwa Vidhyapeetham)*; Mekala Sai Vaishnavi (Amrita Vishwa Vidhyapeetham)
231	MAC Design for Power Optimization Using Compressor Technique for Digital Signal Processing	Suhas Badiger	KLE Dr. M. S. Sheshgiri College of Engineering and Technology Belagavi	Rudragouda Kallannavar (KLE Technological university Dr Ms Sheshagiri engineering college Belagavi)*; Shridhar Patil (KLE Technological university's Dr. M.S Sheshgiri engineering college Belagavi); Suhas Badiger (KLE Technological university's Dr. M.S Sheshgiri engineering college Belagavi); Shobha Rathod (KLE Technological university's Dr. M.S Sheshgiri engineering college Belagavi); Suresh Murgod (KLE Technological university's Dr. M.S Sheshgiri engineering college Belagavi)
343	Streamlined Tree Computation Framework For 32-bit Parallel Prefix Adders	Divya H	PES University	Divya H (PES UNIVERSITY)*; Annapurna K Y (PES UNIVERSITY)
178	Design of a Low Phase Noise V-band VCO using Integrated Passives	T Bharath Chandra Reddy	Amrita Vishwa Vidyapeetham	Karthigha B. (Amrita School of Engineering)*; Chaganti Parvateeshwar Reddy (Amrita School of Engineering); Muchala Lakshmi Vardhan Reddy (Amrita School of Engineering); Sumedha Bugata (Amrita School of Engineering); Thappeta Bharath Chandra Reddy (Amrita School of Engineering)
199	A 60 GHz CMOS-Based Low Noise Amplifier With a Two-Level Reconfigurable Impedance Path	Y Rohith Raghavendra Kumar	Amrita School of Engineering	Karthigha B. (Amrita School of Engineering)*; Supraja Gomathi K. (Amrita School of Engineering); Sri Sai Geethanjali U. (Amrita School of Engineering); Madhav S. (Amrita School of Engineering); Rohith Raghavendra Kumar Y. (Amrita School of Engineering)

Session ID	2F			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr. Shashidhar K (NITK)	Dr Vinay Kumar Jadoun(MIT)		
ID	Title	Presenter	Institution	Other Authors
395	Effective Electrical Load Balancing Using RNNs	Nishanth Shet, Srujan Chilveri	Manipal Institute of Technology	Srujan Kumar Ch (Manipal Institute of Technology Bengaluru); Nishanth Shet (Manipal Institute of Technology Bengaluru); Koushik Iyer M K (Manipal Institute of Technology Bengaluru); Prithish Samanta (North Carolina State University); Vishnu Srinivasa Murthy Yarlagadda (Manipal Institute of Technology Bengaluru)*
298	Implementation and Analysis of FOC with MTPA and Field Weakening for High-Speed EV Applications	Umme Ayemen	Manipal Institute of technology	Umme Ayemen (Manipal Institute of technology)*; Adarsh S (Manipal Institute of technology)

126	Optimized Wind and Solar Power Forecasting for EV Infrastructure Along Asian Highway 47	Jibin Kuriakose	Manipal Institute of Technology, Manipal, Karnataka	Jibin Kuriakose (Manipal Institute of Technology, Manipal Academy of Higher Education Manipal, India)*; Anmol Maini (Manipal Institute of Technology, Manipal Academy of Higher Education Manipal, India); Vinay Kumar Jadoun (Manipal Institute of Technology, Manipal Academy of Higher Education Manipal, India); Jayalakshmi N. S. (Manipal Institute of Technology, Manipal Academy of Higher Education Manipal, India); Soham Dutta (Power System Engineer Open Access Technology India Pvt Ltd, Hyderabad,Telangana, India)
365	Mitigation of Current Harmonics in Electric Vehicle Chargers	Charan R Naik	Manipal Institute of Technology, Manipal	Charan Naik (Manipal Institute of Technology)*; Ganesh Kudva (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Divya Shetty (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Jayalakshmi N S (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)
321	Simulation of a Battery Management System for Electric Vehicles	Mahee U	St Joseph Engineering College	Rohan Pinto (St Joseph Engineering College)*; Ms Harshada S.K (St Joseph Engineering College); K Anusha Prabhu (St Joseph Engineering College); Mahee U (St Joseph Engineering College); Mithali K Gatty (St Joseph Engineering College)

Track	Healthcare			
Session ID	1F			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. Jyothi shetty(NMAMIT)		Dr. Sharda Shenoy(NMAMIT)	
ID	Title	Presenter	Institution	Other Authors
6	A review on application of Machine Learning algorithms to predict the brain stroke	Bhavya S	Mangalore Institute of Technology & Engineering, Moodabidri	Bhavya S (Mangalore Institute of Technology and Engineering)*; Srikrishna Shastri C (Mangalore Institute
278	Harnessing Vision Transformers for Indian Sign Language Sentence Recognition from Videos	Prakruti Kalagudi	PES University	Prakruti Kalagudi (PES University)*; Thenmozhi S (PES University)
267	A Comprehensive Study of Preprocessing Influence on Diabetic Retinopathy Detection	Veena KM	Manipal Institute of Techonology	Veena K M (Manipal Institute of Technology)*; Gaddala Venkata Aryan (The School of Mathematical and Statistical Sciences Arizona State University, Tempe); Veena Mayya (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Rashmi Naveen Raj (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Sulatha V Bhandary (Department of Ophthalmology, Kasturba Medical College, Manipal Academy of Higher Education, Manipal)
355	Deep Learning Based Multi Class Epithelial Ovarian Cancer Classification from Histopathological Images	Suma P	Ramaiah Institute of Technology	Suma P (Ramaiah Institute of Technology)*; Suma K V (Ramaiah Institute of Technology); Shiva M C Mahan S (Ramaiah Institute of Technology)
183	Ensemble-based Multi-Disease Classification on OCT Images Using Lightweight CNN Architectures	Lingesh K V	Amritha School of Engineering	Lingesh K.V. (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Moghil Krishi V.G. (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Sahil Kumar (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Madhuritu Sinha Roy (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Lavanya R (Amrita University)*
185	Predictive Modelling of Colorectal Cancer using Tumor Infiltrating Lymphocytes: A Deep Learning Approach	Vishnu Varthaan B	Amritha School of Engineering	Vishnu Varthaan B (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Jayasri V.S (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Ria R (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Harini Raj Akhtshya R.G (Amrita School of Engineering, Amrita Vishwa Vidyapeetham); Lavanya R (Amrita University)*

Session ID	1G			
Date	17-10-2025, Friday			
Time	11:45 AM - 1:15 PM			
Session Chairs	Dr. Ranjan Hemmige(SMVITM)		Dr. Sridevi Saralaya (SJCE)	
ID	Title	Presenter	Institution	Other Authors
1	Breast Cancer Classification with Image Processing and Deep Learning Models	Prajna Pai	Manipal Institute of Techonology	Prajna Pai (Manipal Institute of Technology, Manipal); Radhakrishna Bhat (Manipal Institute of Technology, Manipal)*; Dinesh Acharya U (Manipal Institute of Technology, Manipal); Dhanya Shenoy (Manipal Institute of Technology, Manipal); Manjunath Hegde (Manipal Institute of Technology, Manipal)

537	A Comprehensive Survey on Depression Detection through Social Media using Machine Learning and NLP Techniques	RANGANATHA K	Reva University	KULKARNI RANGANATHA (REVA UNIVERSITY)*; Laxmi B Ranavare (REVA UNIVERSITY)
342	Early Detection Of Breast Cancer Using Supervised Machine Learning: A Comparative Analysis Of Classifiers	Prajwal Hegde N	NMAM INSTITUTE of technology	Prajwal Hegde N (NMAM INSTITUTE OF TECHNOLOGY)*; Sanjana Shenoy (NMAM INSTITUTE OF TECHNOLOGY); Shridevi Bhat (NMAM INSTITUTE OF TECHNOLOGY); Prathiksha Shetty (NMAM INSTITUTE OF TECHNOLOGY); Srinidhi Kotyan (NMAM INSTITUTE OF TECHNOLOGY)
285	Utility of Zero Frequency Filter for Robust Vowel Onset Point Detection	Vayusutha M	PES Institute of Technology and Management	Vayusutha M (PES Institute of Technology and Management)*; Narendra K C (RV University, Bengaluru); Ganesh Bhat (Canara Engineering College)
27	Predicting diabetes using Machine Learning and several eXplainable Artificial Intelligence approaches	Krishnaraj Chadaga	Manipal Institute of Techonology	Krishnaraj Chadaga (MIT Manipal)*; Naimisha Kaza (North Eastern University); Niranjana Sampathila (MIT Manipal)
214	MACHINE LEARNING BASED STUDENT MENTAL HEALTH PREDICTOR	Ankitha Shetty	NMAM INSTITUTE of technology	Ankitha Shetty (NMAMIT, Nitte)*; Sweekritha K C (NMAMIT, Nitte); Shika Rai (NMAMIT, Nitte); Raksha P (NMAMIT, Nitte); Fathima Zuha (NMAMIT, Nitte)

Session ID	2H			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr.U C Niranjana(MIT)	Dr. Mustafa Basthikodi (SCEM)		
ID	Title	Presenter	Institution	Other Authors
467	Trends and Techniques in Mental Fatigue Detection Using Keystroke and Mouse Dynamics in Human-Computer Interaction	Sahana K	Malnad College of Engineering	Sahana K (Malnad College of Engineering)*
513	Hybrid Deep Feature Fusion of MobileNetV2 and EfficientNetB0 for Fingerprint and Iris Liveness Detection	Vidya Kumari	St.Aloysious Deemed to be University	Vidya Kumari (St Aloysius deemed to be University)*; BH Shekar (Mangalore University)
496	Advanced BI-RADS Classification for Mammographic DICOM Data using Transformers Architecture for Cancer Detection	Sunitha Guruprasad	St.Joseph Engineering College	Sunitha Guruprasad (St Joseph Engg College)*; Padmini Bhat (St Joseph Engg College); Ruban S (St Aloysius College)
432	MediScan Pro: Ensuring Medication Information Safety with QR Codes	Gaana Gowshik	St.Joseph Engineering College	Saumya YM (St Joseph Engineering College)*; Alriya Treeza D Souza (St Joseph Engineering College); Ashal Pearl Dsouza (St Joseph Engineering College); Chaitanya C (St Joseph Engineering College); Gaana Gowshik (St Joseph Engineering College); Vinay P (Canara Engineering College)
346	Radiographic Age Estimation using PulpTooth Ratio	Vedanth V K	St.Joseph Engineering College	JAISHMA KUMARI B (ST JOSPEH ENGINEERING COLLEGE)*; Pruthvi M R (ST JOSEPH ENGINEERING COLLEGE); VEDANTH V K (ST JOSEPH ENGINEERING COLLEGE); SHARVAN R HEGDE (ST JOSEPH ENGINEERING COLLEGE); SHREYA A (ST JOSEPH ENGINEERING COLLEGE); SUDEEN RAJ SHETTY (ST JOSEPH ENGINEERING COLLEGE)

337	Pediatric Bone Age Assessment and Growth Analysis Through Deep Learning Techniques	Adviti Alva	St.Joseph Engineering College	Prajna M (St Joseph Engineering College)*; Adviti Alva (St Joseph Engineering College); Jesvita Menezes (St Joseph Engineering College); Roy Joshua Lasrado (St Joseph Engineering College); Renvil Castellino (St Joseph Engineering College); Neema Rao (St Joseph Engineering College)
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Session ID	2I			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr. Raghavendra S (MIT)	Dr. Radhakrishna Bhat(MIT)		
ID	Title	Presenter	Institution	Other Authors
538	Breast Cancer Classification Using AlexNet: A Dual-Input Approach Leveraging Ultrasound Images and Segmentation Masks	Shazia Mannan, Mohd Zaher Taljeh	Manglore University	Mohammad Zaher Taljeh (Mangalore University); Shazia Mannan (Mangalore University)*; B. H. Shekar (Mangalore University)
238	A Comparative Study On Early Detection Of Parkinson's Disease Using Multiple Machine Learning Algorithms	Lester Shane Fernandes	SJEC	Pruthvi R (SJEC)*; Jaishma Kumari B (SJEC); Lester Shane (SJEC); Melissa Mae (SJEC); Roshni Martis (SJEC); Vinay Jason Castolino (SJEC)
388	An Ensemble Approach Combining Deep Feature Extraction and Classical Classifiers for Robust Face and Iris Recognition	Prakasha M	Manglore University	Prakasha M (Mangalore University)*; Hemantha Kumar G (University of Mysore); Vannurswamy K (Mangalore University)
396	A Novel Framework for Focal EEG Classification Using Hybrid 2D Visualizations and Signal-Level Features	Nikshitha Gowda	Vivekananda College of Engineering	Nikshitha Gowda (Vivekananda College of Engineering and Technology,Puttur); Rajani B (Vivekananda College of Engineering and Technology,Puttur)*; Karunakara Rai B (Nitte Meenakshi Institute of Technology, Bangalore); Mamatha A S (NITTE (Deemed to be University), NMAM Institute of Technology, Nitte)
254	EEG-Based Seizure Detection Using Statistical and Spectral Features with Machine Learning	Amita Roshan Vakil	NMAMIT, Nitte	Amita Vakil (Nitte University)*; Dr Mangala Shetty (NMAMIT, Nitte); Dr Surendra Shetty (NMAMIT, Nitte); Dr Spoothi Shetty (NMAMIT)
521	Enhancing Face and Iris Recognition based Person Identification with DCT and DWT Features	Vannur Swamy	Manglore University	K Vannur Swamy (Mangalore University)*; B H Shekar (Mangalore University); Yogesh Mesta (Mangalore University); Annapoorna Karanth (Mangalore University); Sharmila Kumari (P A College of Engineering)
247	Supply Chain Optimization through Enhanced Forecasting	Niranjan K	Amritha Vishwa Vidyalaya	Niranjan K (Amrita Vishwa Vidyapeetham)*; S Nithin (Amrita Vishwa Vidyapeetham); Saran J Nair (Amrita Vishwa Vidyapeetham); Vishveshwaran K (Amrita Vishwa Vidyapeetham); Pargunarajan K (Amrita Vishwa Vidyapeetham)

Session ID	3F			
Date	18-10-2025, Saturday			
Time	09:30 AM - 11:00 AM			
Session Chairs	Dr. Pushpalatha (SCEM)	Dr.Inamul Hasan (YU)		
ID	Title	Presenter	Institution	Other Authors
532	Early Detection of Bipolar Disorder Using Generative Artificial Intelligence: A Systematic Review Aligned with UN SDG 3	Abdul Majeed K M	Yenepoya Institute of Technology	Abdul Majeed (Yenepoya Institute of Technology)*; Sharmila Kumari M (P.A College of Engineering Mangalore)

324	Pnuemothorax Detection Via Chest Radiographs	Dhananjay	NMAMIT,Nitte	Mangala Shetty (NMAMIT, Nitte); Spoorthi Shetty (NMAMIT,Nitte)*; Ashwini KM (NMAMIT, Nitte); Jenisha Sequeira (NMAMIT, Nitte); G Karthik (NMAMIT, Nitte)
522	Segmentation of Vertebral Body Using Deep Learning Technique	Dr. Usha Kiran	Manipal Institute of Technology, MAHE, Manipal	Ruchitha S R (Manipal Institute of Technology, MAHE, Manipal); Dr. Ushakiran . (Manipal Institute of Technology, MAHE, Manipal)*; Dr. Anitha H (Manipal Institute of Technology, MAHE, Manipal)
203	Computer Aided Detection and Localization of Soft Tissue Sarcoma	Deepak Somasekar S	Amrita Vishwa Vidyapeetham	Deepak Somasekar S (Amrita Vishwa Vidyapeetham); Ruhitha VS (Amrita Vishwa Vidyapeetham)*; Abdul Hakkim S (Amrita Vishwa Vidyapeetham); Akaash Abhimanyu B (Amrita Vishwa Vidyapeetham); Devi Vijayan (Amrita Vishwa Vidyapeetham)
374	Prediction of Post-Thoracic Surgery Survival Using Machine Learning and Deep Learning Techniques	Srujana Madiraju	Manipal Institute of Technology, MAHE, Manipal	Srujana Madiraju (Mahe); Manjula Shenoy K (MAHE)*
426	Evaluation of Deep Learning Architectures for EEG-Based Stress Detection with and without SNR Augmentation	Abdulla Gubbi	Bearys Institute of TEchnology	Abdullah Gubbi (Bearys Institute of Technology,Mangalore)*; Silabdi Hana (Kulliyyah of Information and Communication Technology, IIUM line 4: Kuala Lumpur, Malaysia); Ahmed Rimaz Faizabadi (Centre for Unmanned Technologies line 3: IIUM line 4: Kuala Lumpur, Malaysia); AM Khan (Professor, Dept.Electronics, Mangalore University, Mangalore); Chaminda Hewage (Associate Dean Research (Interim) Cardiff School of Technologies,Cardiff, CF5 2YB); Altamashuddinkhan Nadimalla (Bearys Institute of Technology,Mangalore)

Session ID	3G			
Date	18-10-2025, Saturday			
Time	09:30 AM - 11:00 AM			
Session Chairs	Dr. Hareesh B (SJEC)	Dr. Dheeraj H (SIT)		
ID	Title	Presenter	Institution	Other Authors
535	A Novel Model for Air Quality Prediction with Graph Convolutional Networks and Transformers	Rashmi Amin	Mangalore University	Rashmi Amin (Mangalore University , Mangalagangothri)*; Dr B. H Shekar (Mangalore University , Mangalagangothri)
394	MR-MI-PSO-ANFIS-GA: A Scalable MapReduce-Based Framework for High-Dimensional Healthcare Data Classification	Soham Ghosh	Dayananda Sagar University	Soham Ghosh (Dayananda Sagar University)*; Tanvir Habib Sardar (Dayananda Sagar University); Dr.Syed Anwar Hussainy F (SRM Institute of Science and Technology); Shreyas Rajendra Hole (Dayananda Sagar University); Mohammed Zakir Bellary (P.A. College of Engineering, Mangalore, Karnataka, India); Guru Prasad M S (Graphic Era (Deemed to be University))
469	An Ensemble Deep Learning Framework for Automated Ki-67 Scoring in Breast Cancer	Abhijna Rao	Sahyadri College of engineering and management	Abhijna Rao (Sahyadri College of engineering and management)*; Krithika M (Sahyadri College of Engineering & Management); Harshitha Kini (Sahyadri College of Engineering & Management); Jeevitha . (Sahyadri College of Engineering & Management); Mustafa Basthikodi (Sahyadri College of Engineering & Management)

511	KanVD : Creation of Speech Corpus for Identifying Voice Disorders	Sharal Coelho	Mangalore University, Mangalore	Sharal Coelho (Mangalore University, Mangalore)*; Shashirekha Hosahalli Lakshmaiah (Mangalore University, Mangalore); Shwetha Prabhu (Yenepoya Medical College (Deemed to be University))
273	Hybrid CNN-ViT with ICD-U-Net for COVID-19 Detection and Classification	M Rasheed Ahmed	IIIT Naya Raipur	G ASHWINI (Sri Venkateswara University College of Engineering, Tirupati)*; Tirumala Ramashri (Sri Venkateswara University College of Engineering, Tirupati); M Rasheed Ahmed (IIIT Naya Raipur)

Track	Robotics			
Session ID	2G			
Date	17-10-2025, Friday			
Time	03:15 PM – 05:15 PM			
Session Chairs	Dr. Poornima Gowda (SCEM)		Dr. Shamna N V(PACE)	
ID	Title	Presenter	Institution	Other Authors
209	Real-Time Dual-MCU Wireless Control Framework for Low-Cost Remote Operated Terrain Robot	Sharon Varghese V	Amrita Vishwa Vidyapeetham	Sharon varghese v (Amrita Vishwa Vidyapeetham)*; Dr. Prasenjit Sarkhel (Amrita Vishwa Vidyapeetham)
284	Robotic Arm - Simulation and Analysis	Gandhiraj R	Amrita Vishwa Vidyapeetham	Abhinavendra A R (Amrita Vishwa Vidyapeetham); Ajay S (Amrita Vishwa Vidyapeetham); Abijith Narayana J (Amrita Vishwa Vidyapeetham); Ganesan M (Amrita Vishwa Vidyapeetham); Gandhiraj R (Amrita Vishwa Vidyapeetham)*
515	Integrated Real-Time Detection and Autonomous Manipulation using a 4-DOF Robotic Arm for Pick-and-Place Operations	Sujay Chetan Sharma S	Amrita School Of Engineering	SUJAY CHETAN SHARMA S (Amrita Vishwa Vidyapeetham)*; Manoj Kumar Panda (Amrita Vishwa vidyapeetham); Rajeevlochana G Chittawadigi (Amrita Vishwa vidyapeetham)
455	High-Performance Hearing Aid with Advanced Piezoelectric Bone Conduction	Chandra Singh	NMAM Institute of Technology, Nitte	Chandra Singh (NMAM Institute of Technology,Nitte)*; Praveen Kumar M (AJIET); K.V.S.S.S Sairam (NMAM Institute of Technology,Nitte); Dhyan Rai M (SCEM,Adyar); Erramsetti Yasha Sree (NMAM Institute of Technology,Nitte)
77	Autonomous Golf Ball Collecting Robot for Driving Ranges	Udhith Narayan, Ashwin Anil	REVA University	Udhith Narayan (REVA University)*; Ashwin Anil (REVA University); Vidyasagar K N (REVA University)
372	Gesture and Voice-Enabled Game Interface for Accessible Human-Computer Interaction	Vasantha Kini T	Manipal Institute of Technology, Manipal Academy of Higher Education (MAHE), Manipal	Vasantha Kini T (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Tanishk Raj (Manipal Institute Of Technology, MAHE, Manipal); Meenatchi Sundaram S (Manipal Institute Of Technology, Manipal Academy of Higher Education, Manipal); Aneesha Acharya K (Manipal Institute of Technology, MAHE, Manipal)*
466	Navigating Barriers to EV Adoption: A Study on Consumer Perception, Policy Challenges, and the Impact of Robotic Automation	Ms. Ashwitha Shetty	Kristu Jayanti College Autonomous	Ashwitha Shetty (Kristu Jayanti College Autonomous)*