

K.S.R. COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Tiruchengode – 637215, Tamil Nadu, INDIA



First IEEE Technically Sponsored International Conference on

Advances in Electrical, Electronics and Computational Intelligence (ICAEECI 2023)

19 - 20, October 2023 | Tiruchengode, Tamil Nadu, INDIA

Program Schedule

Date	Time	Event
19.10.2023	10.00 am to 10.30 am	Inaugural Function
	10.30 am to 11.00 am	Keynote Address #1 Prof. Ir. Dr. HJ. Ahmad Rashidy Razali Universiti Teknologi MARA, Malaysia
	11.00 am to 11.30 am	Keynote Address #2 Dr. Dattatraya Narayan Gaonkar Associate Professor and Head of the Department Department of Electrical & Electronics Engineering NITK Surathkal, Karnataka, India
	11.10 am to 04.40 pm	Session 01: ICAEECI – OFFLINE #1
		Session 02: ICAEECI – OFFLINE #2
		Session 03: CS01 - ONLINE
		Session 04: CS02 - ONLINE
		Session 05: CS03 - ONLINE
		Session 06: CS04 - ONLINE
		Session 07: CS05 - ONLINE
		Session 08: EC01 - ONLINE
		Session 09: EC02 - ONLINE
Session 10: EE01 - ONLINE		

20.10.2023	10.00 am to 10.30 am	<p style="text-align: center;">Keynote Address #3 Dr Ashok Kumar L Professor, Electrical and Electronic Engineering PSG College of Technology, Coimbatore</p>
	10.30 am to 03.40 pm	Session 11: CS06 - ONLINE
		Session 12: CS07 - ONLINE
		Session 13: CS08 - ONLINE
		Session 14: CS09 - ONLINE
		Session 15: EC03 - ONLINE
		Session 16: EC04 - ONLINE
		Session 17: EE02 - ONLINE
		Session 18: EE03 - ONLINE

Session Track notation:

CS – Computer & Information Science

EC – Electronics, Communication, Instrumentation Engineering

EE – Electrical Engineering

Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Technical Presentation will be conducted using Google meet platform.
3. Online participants can join their respective sessions by clicking the meet link given
4. Mode of presentation should be powerpoint presentation (ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 5 minutes (Queries)
6. Participant SHOULD join the session at least 30 minutes prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to join the Whatsapp group of each technical sessions
9. If any problem connecting to session, please text to the respective session In-Charges through ICAEECI Whatsapp group during presentation date(s).

Session 01: ICAEECI – OFFLINE #1

Date: 19.10.2023

Time: 11.10 am to 01.00 pm

Venue: EEE, Seminar Hall, A-Block, KSRCE

Session Chair(s): Dr.S.Ramesh & Dr.R.Balamurugan

Time	Paper ID	Paper title	Author Name(s)
11.30 am	KCS 4053	Understanding the Effects of Model Optimization Methods in Enhanced CNNs	Dr.M.Deepa, Venkat Vijay, Tamizhan, Sri Ranjani, Sowmiya
11.50 am	KEE 1042	Visualizing the battery degradation through Non-destructive methods on Predicting the State of Health (SoH) of Second Life Batteries (SLB)	Vignesh S, Jeyraj A/L Selvaraj, Hang Seng Che, Kok Soon Tey
12.10 pm	KEE 2004	Fault Detection and Classification in the HVDC System using Machine Learning Algorithms	Sundaramahalingam Subramaniam, Barath Sanjay Seenivasagan, Parvesh Kennady, Vinubalan Karuppasamy
12.30 pm	KEE 2019	Evaluating Solar Power Generation: A 7 kW Photovoltaic System Performance Analysis with PVsyst Simulation	Bharat Singh Chauhan, Vishal Nagar, Annapurna Bhargava

Session 02: ICAEECI – OFFLINE #2**Date:** 19.10.2023**Time:** 11.10 am to 03.20 pm**Venue:** EEE Smart Class Room, Main Block, KSRCE**Session Chair(s):** Dr.D.Sri Vidhya & Dr.K.Lakshmi

Time	Paper ID	Paper title	Author Name(s)
11.30 am	KEE 2046	Novel Configuration of Multilevel Inverter with Reduced Number of Switches	Karanam Deepak, Y Hazarathaiah, Madugundu Vishnu Vardhan, Shaik Naseer, Suthraye Yaswanth Rao, Talikota Rakesh
11.50 am	KEE 2049	Improvement of Power Quality in Grid Connected Hybrid Wind-PV-Battery based Microgrid with LSTM	Karanam Deepak, U Chaithanya, Anna Datta Dheeraj, Kurni ajay Kumar, Chowdary Mohammed Ashraf, Gopu Madhu sudhan
12.10 pm	KEE 2052	ANN based Novel Energy Management System of Hybrid Renewable Energy Sources based DC Microgrid	M Bhagya Lakshmi, Karanam Deepak, Nayaka Ashok, Kuruva Sridhar, Mulakalapalle Uday Prakash, Golla Venkata Rahul
12.30 pm	KEE 2005	Analysis of Performance for Multilevel Inverters Utilizing Different Pulse Width Modulation Techniques	Vijayakumar Madhaiyan, Ramasamy Murugesan, Senthilkumar Sengottaiyan, Vijayakumar Muniyan, Arun Vijayakumar, Prabhu Sundaramoorthy
02.10 pm	KEE 2027	Sixty Degree PWM Controlled 7- Level Inverter Utilizing Binary Input	Vijayakumar Madhaiyan, Ramasamy Murugesan, Gobimohan Sivasubramanian, K.Sathiyasekar, V. Arun, S.Prabhu
02.30 pm	KEE 2028	Nine Switch Dual Input 9- Level Inverter (NSDI9LI) with Inherent AC Voltage Generation Ability	Vijayakumar Madhaiyan, Ramasamy Murugesan, V. Arun, S.Prabhu
02.50 pm	KEE 2050	Analysis on various core materials and magnets for Electric Vehicle Applications	S.Senthilkumar, E.Kannan, Vijayakumar Madhaiyan, S. Gowtham, V. Arun, S. Prabhu

Session 03: CS01 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 04.40 pm**Session Chair(s):** Dr.V.Vennila & Dr.M.Siva Ramkumar**Session Coordinator(s):** Mr.S.Gowtham**Session Link:** <https://meet.google.com/dbb-ejvf-xhv>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KCS 1009	OCR-Based Multi-Class Classification of Hate Speech in Images	Nithish Babu M , Preethi P
11.30 am	KCS 1024	Gesture Recognition Using Cognitive Ai and Deep learning	Vipasha Sharma, Navpreet Kaur Walia
11.50 am	KCS 1041	Predicting Customer Churn in Insurance Industry Using Big Data and Machine Learning	Jajam Nagaraju , Abbaraju Sai Sathwik, Bheri Saiteja, Nagendra Panini Challa, Beebi Naseeba
12.10 pm	KCS 1054	Applying Non-Parametric Tests in a case study of Temperature Trend Analysis	Athulya C, Lasitha A
12.30 pm	KCS 1055	Car Drive Simulation in Metaverse with VR Glasses for Testing Driver's License	Suphanut Plengkham
02.00 pm	KCS 1068	Based on Multitask Cascaded Convolutional Networks MTCNN, Implementation of Behavioral Drowsiness Detection System	Mohanad Sameer Jabbar, Adnan Hussein Ali, Ali Hassan Majeed Aqeel Ali Al-Hilali, Haitham Bashar Qasim, Ali K. Jasim Al-Salihi
02.20 pm	KCS 1083	Distributed file systems for Cloud storage design and evolution	Sabitha R, Sk.John Sydulu, Karthik S, Kavitha M S
02.40 pm	KCS 1085	Optimizing Kidney Ultrasound images through Pre-Processing Filters	Fizhan Kausar, Ramamurthy B
03.00 pm	KCS 1086	Comparison Of Deep Learning Models for Monkeypox Disease Detection	Anu V Kottath, Muthukumaran Malarvel
03.20 pm	KCS 1087	Optimizing Real-Time Path Planning for NPC Navigation: Leveraging CentA* Algorithm to Enhance Efficiency and Adaptability	Akshya J, Vinit Mehra, M.Sundarrajan, Pattapu Teja Sri, Sathish R

03.40 pm	KCS 1089	Deep Learning Methods for Segmenting and Classifying Diabetic Retinopathy	Dyagala Nagasudha, N. Senthamarai,
04.00 pm	KCS 1092	Faster R-CNN for Detection and Classification of Banana Leaf Diseases	Bharathi Raja N and P Selvi Rajendran
04.20 pm	KCS 2001	A Lossless Steganography Framework: Implementation and Evaluation	Mohd Junedul Haque, Rahul Kumar Singh, Rais Abdul Hamid Khan, Mohd Muqem, Pawan R Bhaladhare and Md Nadeem Ahmed
04.40 pm	KCS 4042	AMBA AHB to APB Bridge Protocol Verification Using System Verilog	Nikita Deshpande, Ranjit Sadakale

Session 04: CS02 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 05.00 pm**Session Chair(s):** Dr.V. Sharmila, Dr.C.Sahaya Kingsly**Session Coordinator(s):** Mrs.K.Yamuna**Session Link:** <https://meet.google.com/zve-xqiv-qpd>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KCS 2014	Analysis of Bio-Inspired approaches and Social Media Analytics in Twitter datasets for Misinformation Detection	Neomi Nelin Nicholas, V. Nirmalrani
11.30 am	KCS 2021	Aspect-based sentiment analysis for social media text using NLP and Deep Learning	Anuradha Nawathe, Avinash Kapse, D V.M.Thakare, Arvind Kapse
11.50 am	KCS 2054	Forecast the onset of Parkinson's disease at all three stages Using Deep Learning Techniques	Caroline El Fiorenza J, V.Sellam and J Dafni Rose
12.10 pm	KCS 2062	Brain Tumor Image Segmentation using Box-Unet Architecture	Mayuri Popat, Sanskruti Patel, Yagnik Poshia, Achyut Krishna Sai
12.30 pm	KCS 2063	A Unified Process on Opportunities for Federated Learning in Big Data with IoT	G.Anitha, A. Jegatheesan
02.00 pm	KCS 2064	Development of a predictive model of burgling to homes based on machine learning	R.Ramji, S Devi
02.20 pm	KCS 2085	Analysis of Different Machine and Deep Learning Algorithms for Audio Classification	Shuvendu Das, Sagar Nailwal, Arbaz Raza, Ajatray Swagat Bhuyan
02.40 pm	KCS 2095	An Optimized Image Annotation Method Utilizing Integrating Neural Networks Model and Slantlet Transformation	Mohammed Mahdi Hashim, Aqeel A. Al-Hilali,Haitham Bashar Qasim, Omar Raad salah, Abdullah A. Nahi
03.00 pm	KCS 2096	Sentence Reduction based on Automatic Document Text Summarization and Crossbred Framework	Mohammed Mahdi Hashim, Aqeel A. Al-Hilali, Mohammed G. S. Al.Safi, Omar Raad salah, Abdullah A. Nahi

03.20 pm	KCS 2097	Case Study: Fiber Optic network installation and Monitoring at Cihan University-Erbil	Haitham Bashar Qasim, Adil Hussein Mohammed, Aqeel Ali Al-Hilali, Salim A. Hasan, Arkan A. Ghaib, Adnan Hussein A, Abdullah A. Nahi, Chiya Kamal Muslim
03.40 pm	KCS 3007	Robust Image Forgery Classification using SqueezeNet Network	Karun Kumar Enaganti, R Bhuvaneswari
04.00 pm	KCS 3008	Rice Grain Classification for Agricultural Products Marketing-A deep learning approach.	Manjula Sri Rayudu, Lakshmi Kala Pampana, Shalini Myneni, Sruthi Kalavari
04.20 pm	KCS 3011	Facial Expression-Based Emotion Recognition: Analysing Human Affect through Facial Cues	Rishu, Vinay Kukreja, Purushottam Dass, Arun Aggarwal, Kireet Joshi
04.40 pm	KCS 2013	Artificial Intelligence Techniques to Revolutionize the Marketing Strategies for Enormous Business Expansion	K.Vijay Chandra, K.Sudha Rani, Palak Singh, C.V.Rambabu, K.Vidya Sagar, Poornaiah Billa

Session 05: CS03 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 05.00 pm**Session Chair(s):** Dr. K. Kumaresan & Dr.R.Velumani**Session Coordinator(s):** Dr.E.Vani**Session Link:** <https://meet.google.com/aqw-ecmg-gai>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KCS 3059	Poverty Analysis using Algebraic Sum on Bipolar Fuzzy Matrices	T. Muthuraji and R. Punitha
11.30 am	KCS 3020	Multiple Criteria Decision Making Using Bipolar Intuitionistic Fuzzy Matrices, the Weighted Similarity Measure and the Expanded TOPSIS Method	T. Muthuraji and A. Anitha
11.50 am	KCS 3021	Enhancing Idiom Classification on Text-based Conversational Data: Evaluating Transformer Model Performance through k-fold Cross-Validation	Sujatha R, Nimala K
12.10 pm	KCS 3029	Analysis of Various Learning Approaches in Occluded Face Recognition	S. Anusha, K. Nimala
12.30 pm	KCS 3032	Fluid Segmentation in Retinal OCT images with Pigment Epithelial Detachment	T. M. Sheeb, S. Albert Antony Raj, M. Anand
02.00 pm	KCS 3034	Performance Study on Heterogeneous Arrival of Batch Service for Multiple Working Vacations Queuing System with Breakdowns In The Busy Period.	Lidiya.P and K.Julia Rose Mary
02.20 pm	KCS 3037	Foetal Health Classification Using Input Dataset and Fine Tuning it using K-nearest neighbour, Naïve Bayes and Decision Tree Classifier	Kanwarpartap Singh Gill, Vatsala Anand, Rupesh Gupta
02.40 pm	KCS 3038	Kidney Disease Classification Using Machine Learning Approach on DenseNet201 Model using Xray Images	Kanwarpartap Singh Gill, Vatsala Anand, Rupesh Gupta
03.00 pm	KCS 3044	Performance Prediction in OBSS WLANs Using Machine Learning Approaches	Rajasekar Mohan, Varun Satheesh, Spoorthi Kalkunte , Shreyas S

03.20 pm	KCS 3049	Evaluation of Batch Service M _{WV} Heterogeneous Queuing System Under Balking and Encouraged Arrival	P. Prakati & K.Julia Rose Mary
03.40 pm	KCS 3052	Implementing Digital Signature with RSA algorithm to enhance the data protection in cloud	Austy.B.Evangeline, R.Jegan, Nimi W.S
04.00 pm	KCS 3057	RetinaNet Geminated Five Dense Layered Deep Fully Connected Neural Network based Electrical Power Line Suspension Point Detection	M. Shyamala Devi, D. Umanandhini, Aparna Joshi, S.Gnana Prasanna, K. M. Ramyasree
04.20 pm	KCS 3019	Two New Modal Operators of Intuitionistic Fuzzy Matrices	S.Sriram and K. Sivaranjani
04.40 pm	KCS 2094	Analysis of queue network system with bulk arrival in fuzzy environment	Neha Gupta, Deepak Gupta, Vandana Saini

Session 06: CS04 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 05.00 pm**Session Chair(s):** Dr.C.Anand & Dr. Kamalanathan Chandran**Session Coordinator(s):** Dr.S.Senthilkumar**Session Link:** <https://meet.google.com/xni-orvi-emw>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KCS 3061	Performance Analysis of Solar Photovoltaic Panel using Machine Learning	Sanjana N B, Balaji N, S. Karthick
11.30 am	KCS 3066	Influence of AI Powered Gaming Developers and Analyzing Player Behavior and Enhancing User Experience	K.Ravichandran, SenthilKumar Ilango
11.50 am	KCS 3068	Analysis of Post and Previously JPEG Compressed Contrast Enhanced Images	Neeti Taneja, Gouri Sankar Mishra, Dinesh Bhardwaj
12.10 pm	KCS 3085	U-Net Architecture for Detecting Glaucoma with Retinal Fundus Images"	Nandhini S, J Jagadeesan, E.Anitha
12.30 pm	KCS 3086	Efficient Text-to-Braille Conversion Algorithm in C++: Enhancing Accessibility for the Visually Impaired	Aakansha Khanna, Inzimam Ul Hassan, Inderdeep Kaur
02.00 pm	KCS 3087	A Variational Autoencoder-Feed Forward Networks (VAE-FNN) Model for Classifying DNA Barcodes	Abhivyakti Yadav, Divya S, I R Oviya, Kalpana Raja
02.20 pm	KCS 3091	Experimental Results of CNN and RNN Models for Identification of Parkinson's Disease	M. Mahendran, R.Visalakshi
02.40 pm	KCS 3097	Application of Graph Theory to Defend Hypercube Structures Against Cyber Threats	D. Angel, G. Uma, E. Priyadarshini
03.00 pm	KCS 4005	An Acyclic SSP Structure of Grid Graphs	R. Mary Jeya Jothi

03.20 pm	KCS 4008	Ensemble Learning Model for Gender Recognition Using the Human Voice	Golla Madhu, Anirudh Bukka
03.40 pm	KCS 4009	SynthXNet: Adversarial Learning for Data Augmentation in CoVID Severity Classification from X-Rays	Supriya S. Thombre, Dr. Latesh Malik, Dr. Sanjay Kumar
04.00 pm	KCS 4010	Improved tweets in English text classification by LSTM neural network	Yashasvi B N, Raghavendra S, Ananthi K, Samson Isaac J, Mohit Tiwari
04.20 pm	KCS 4013	Comparative Analysis of ML Algorithms for Fraud Detection in Financial Transactions	Priyansu Saha, Ritesh Khatwani, Shubhra Aanand, Pradip Kumar Mitra, Pritesh Shah, Ravi Sekhar
04.40pm	KCS 2035	Impact of Career Path and Fair Compensation on Key Employee Retention: A Study on Apparel Firms in Chandigarh, India.	Shamsul Alam, Anjali Vyas, Kashfia Taslim

Session 07: CS05 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 04.40 pm**Session Chair(s):** Dr. R. Banupriya & Dr.A.K.Parvathy**Session Coordinator(s):** Mrs.A.Vasanthi**Session Link:** <https://meet.google.com/edk-qfmf-rhg>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KCS 4014	Speech Emotions Detection and Classification Based on Speech Features using Deep Neural Network	Padmashree Desai, Saumyajit Chakraborty, Sujatha C, Prajakta Desai, Saurav Ansuman
11.30 am	KCS 4016	A Distinctive Explainable Deep Learning Framework to Predict Pulmonary Function at Chest CT Scan	R. Renugadevi, M. Rajeswari, Anitha R, R. Rajalakshmi, G. Ramkumar
11.50 am	KCS 4019	Automated Driving Capabilities using advanced software tools to improve optimization for Autonomous Vehicle in Industry 4.0	Vaibhav Saini, Ayushi Jain, Pritesh Shah, Ravi Sekhar, Preeti Warrior
12.10 pm	KCS 4023	A Transparent Hybrid Deep Learning Framework to Assess German Measles Disease in Skin Images	Yogalakshmi.V, J. Merlin Mary Jenitha, A. Chandravadhana, S. Irin Sherly, Anitha G
12.30 pm	KCS 4024	An Experimental Analysis Based on Automated Detection of Polycystic Ovary Syndrome on Ultrasound Image using Deep Learning Models	N.R Gladiss Merlin, S.Sangeetha, Pachhaimmal Alias Priya M, Dolly Irene. J, Anitha. G
02.00 pm	KCS 4029	Information Measure for Hesitant fuzzy sets	Alisha, Gurdas Ram, Satish Kumar
02.20 pm	KCS 4030	OBMAAQ: Ontology-Based Model for Automated Assessment of Short-Answer Questions	Vidasha Ramnarain-Seetohul, Vandana Bassoo, Yasmine Rosunally
02.40 pm	KCS 4036	Deep Learning Based Kidney Stone Detection Using CT Scan Images	Santhosh S, Ashwin Shenoy M, Akhila DS, Pradeep G.S, Vaikunta Pai T
03.00 pm	KCS 4038	Machine Learning-Based Prediction of Retinal Detachment Subtypes: A Comprehensive Method	Anitha E, John Aravindhar D

03.20 pm	KCS 4041	Study Of Deep Learning Approaches For Intrusion Detection System	K.Swathi, G.Narsimha
03.40 pm	KCS 4046	Weather Forecasting using Bipolar Fuzzy Neural Networks.	S. Anita Shanthi and R. Preethi
04.00 pm	KCS 4047	Utilizing Data Science Tools in Landscape Analysis to Quantify Urbanization Effects on Pallikaranai Wetland, Southern India through Geospatial Techniques	Vidhya Lakshmi Sivakumar and Padma Srinivasa Perumal
04.20 pm	KCS 4049	Reliable Public Key Cryptosystem Type El-Gamal	Ban Jasim Kadim and Ruma Kareem K. Ajeena
04.40 pm	KCS 3073	A Novel Structure to Mine High Utility Items Based on Transactional Weights	M.Vimaladevi, R.Deebika, S.Russia

Session 08: EC01 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 04.40 pm**Session Chair(s):** Dr. S. Karthikeyan & Dr. P. Vinoth Kumar**Session Coordinator(s):** Mr.S.Dhivagar**Session Link:** <https://meet.google.com/wwt-kxzv-ykz>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KEC 1009	Performance Analysis for Predicting Chronic Kidney Disease Based on Machine Learning Techniques by Applying Preprocessing and Feature Selection Methods	Subashini N J, K.Venkatesh
11.30 am	KEC 1019	Post-Traumatic Stress Disorder (PTSD) Analysis using Machine Learning Techniques	Mr.P.J.Ragu, Mr.Sivanesan A/L Arumugam, Dr.Asmarashid Bin Ponniran, Dr.Wan Suhaimizan Bin Wan Zaki, Mr.Mohd Helmy Bin Abd Wahab, Dr.Riyaz Ahmad Bin Mohamed Ali
11.50 am	KEC 1025	EEG - Based Bipolar Disorder Deduction Using Machine Learning	Ms.T.Yamunarani , Ms.Sharveswary, Dr.Asmarashid Bin Ponniran, Dr.Wam Suhaimizan Bin Wan Zaki, Dr.Riyaz Ahmad Bin Mohamed Ali and Ms.S.Sivaranjani
12.10 pm	KEC 1026	Control Strategies for FOPDT & SOPDT Processes	Sandeep Kumar Sunori, Pradeep Juneja, Mehul Manu, Dikendra Verma
12.30 pm	KEC 1035	The Application of MUX in the Realming of Domino Logic, Dynamic Consequently, and Transmission Gates: A Case Study with Performance Calculation	Divya N, Anjali, Anirudh N S, Chiranjeevi G N
02.00 pm	KEC 1036	Analysis of Wireless Internet of Things to Medical Health Care Patient Applications	Aravinda K, L.Manjunath, S. Elango, S.Krishnaveni, G.Ramachandran, PM Murali, T.Muthumanickam
02.20 pm	KEC 1037	An Efficient Implementation of Modified Digital Synapse Design for Neural Network	P. Malini, M. Maheswari
02.40 pm	KEC 1041	Design of a RF voltage doubler circuit for Energy Harvesting Applications	S. Imaculate Rosaline

03.00 pm	KEC 1048	Mimicking 3-DOF Human Upper Neck Movement using Wearable MPU6050 IMU Sensor-Based Device with Tilt Compensation Algorithm	Aguila, Jovan C.; Alimorom, John Kelvin Q., Asturias, Robert Lue R., Hernandez III, Napoleon B., Reyes, Angilyn Mae L., Tolentino, Roselito E., Trinos, Lorenz Chleo C.
03.20 pm	KEC 1066	Phase Transition Studies of Liquid Crystals Using Ultrasonic Velocities	P Johnson Babu, Alfunsu Prathiba
03.40 pm	KEC 1067	Pink noise in Electric Current from Amplitude Modulations	Masahiro Morikawa and Akika Nakamichi
04.00 pm	KEC 1070	Improved Radiation Characteristics of 1 λ —3 series fed MSA Array using Metamaterials for 5G Application	Nagari Naveen Kumar, D. Vishnu Vardhan
04.20 pm	KCS 6065	ChatGPT Based Image Steganography (CGIS): A Novel Intelligent Information Hiding Approach to Achieve Secure Covert Communication	Subhadip Mukherjee, Somnath Mukhopadhyay, Sunita Sarkar
04.40 pm	KEC 3037	Sleep Disorder Detection using Fully Convolutional Neural Networks for Sleep Arrhythmia Analysis	M. Arun Kumar, Arvind Chakrapani

Session 09: EC02 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 04.40 pm**Session Chair(s):** Dr. K. P. Uvarajan & Dr. L. Raja**Session Coordinator(s):** Mr.M.Subramani**Session Link:** <https://meet.google.com/mak-feef-xyb>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KEC 1073	Compressive sensing based sparsity adaptive channel estimation algorithm for massive MIMO systems	Naveen Kumar Boddukuri,Chenigaram Kalyani, Padakanti Kiran Kumar,Kallepelli Srikanth,Rajithkumar Siddoju
11.30 am	KEC 1075	Performance Of Bit Error Rate (BER) in Ook Modulation Using Orbital Angular Momentum (OAM) Carrying Gaussian Vortex Beam	Girish Abhyankar, Sandeep Gawali, Narayan Vetrekar, Udaysing Rane, R. S. Gad, G. M. Naik
11.50 am	KEC 1076	Handling MEG data corrupted with Deep Brain Stimulation artifacts - Some pointers	Suranjita Ganguly, Ankita Jain, Aditya Koppula, Sreedev Sasidharan, Vamsi Vijay Mohan Dattada, Andreas Højlund, Kousik Sarathy Sridharan
12.10 pm	KEC 1083	Securing Web Application using Web Application Firewall(WAF) and Machine Learning	Harish Kumar J, Godwin Ponsam J
12.30 pm	KEC 1090	Mimicking 2-DOF Human Eye Movement using an IR Camera-Based Wearable Eye-Gaze Tracking Controller	Almira, Ara D., Mendones, Eugene Andre P., PeÑalosa, Airelyssa E., Perucho, Mae Anne B., Tonogbanua, Hans Francis R., Tolentino, Roselito E., Asturias, Robert Lue
02.00 pm	KEC 1093	Comparative Analysis of Video Transmission in Vehicular Networks using IEEE 802.11g and IEEE 802.11p Standards	H.M. Moyeenudin, M. Narender, J. Amutharaj, S. Hari Kumar, Jose Anand A.
02.20 pm	KEC 1098	Mitigation Of Denial Of Service and Man in the Middle Attack in Software Defined Networking Framework	V.Kiruthika, S.Padmapriya, M.Ganga, V.Anupriya
02.40 pm	KEC 2003	A State-of-the-art High-Resolution Network based Dipolar Detector for Occluded Pedestrian Detection	A.Ruhan Bevi, R.Shaamili

03.00 pm	KEC 2010	A Novel Spectrum Handoff Technique for Long Range Applications using Adaptive Beam Selection with Machine Learning Algorithms	Patan Babjan, V Rajendran
03.20 pm	KEC 2016	Comparative Study of Various Methods proposed to improve performance of 3D Graphics Pipeline	Ankita Anilkumar Gothi, Neelima R. Kolhare, Yogita D. Kapse
03.40 pm	KEC 2018	Classification of Arrhythmia using Electrocardiogram based image features with Deep learning	K. Naga Sankar Reddy, S. Oudaya Coumar
04.00 pm	KEC 2019	Gain Enhancement of Novel Microstrip Patch Antenna using Meandered Rectangular shape for Bio-Medical Applications	Ravikumar Gurusamy, Sengottaiyan N, M. Sathesh, S.Parameswaran, P Kalyanasundaram and M.Rajasekar
04.20 pm	KEC 2020	Design and Implementation of AES-SHA Security Hardware using FPGA	Ali Hussain Jasim, Dalal Abdulmohsin Hammond, Ali Al-Askery,
04.40 pm	KCS 5056	A Low Power, High Speed Improved By Dynamic latch comparator For Biomedical Acquisition System Using 180nm CMOS Technology	Nishchhal Kumar, Bobbinpreet Kaur, Narinder Kaur, Manish Sharma

Session 10: EE01 - ONLINE**Date:** 19.10.2023**Time:** 11.10 am to 04.40 pm**Session Chair(s):** Dr.R.Poornima & Dr.V.Arun**Session Coordinator(s):** Mrs.A.Latha**Session Link:** <https://meet.google.com/zch-ffbj-igg>

Time	Paper ID	Paper title	Author Name(s)
11.10 am	KEE 1006	Using MPPT Based on Modified Algorithms to Improve the Efficiency of a DC-DC Converter to Charge a Photovoltaic System's Battery	Sameer A. S. Lafta, Mohanad Sameer Jabbar, Aqeel A. Al-Hilali , Haitham Bashar Qasim, Adnan Hussein Ali , Mohannad Jabbar Mnati
11.30 am	KEE 1012	Photovoltaic System Transient Load Characteristic for Converter Design in Solar Microgrid	Pankaj Verma
11.50 am	KEE 1013	Optimistic Use of Battery Energy Storage System to Mitigate Grid Disturbances with Solar Penetration	Virendra Sharma, Nishant Bharti, Gaurav Jain, Rachit Saxena, Nishant Agrawal, Praveen Agrawal
12.10 pm	KEE 1016	Power System Harmonics Estimation: A new optimization technique-based implementation with African Vulture Optimization Algorithm based Least Square Method	Atif Ali, Mushfiqur Ahmed, Hasan Jamil Apon, Md. Samiur Rahman, Auhona Ahsan, Sumaiya Tasnim Prapti, Ashik Ahmed
12.30 pm	KEE 1020	Neuro Inspired HTM-Based Online Capacitor Aging Detection of DC-Link Capacitors in Powe Electronic Converters	Leema Prasila Arokia Nathan, Ranganathan Rani Hemamalini, Ruben Johnson Robert Jeremiah and Pachaivannan Partheeban
02.00 pm	KEE 1036	Enhance Power Quality in PV based Energy System with Artificial Neural Network and Fuzzy Logic Techniques	G Ramesh
02.20 pm	KEE 1041	The Study about Vibration-Reduction in Electric Vehicle	Chanoknan Bunlapyanan, Sunhapos Chantranuwathana
02.40 pm	KEE 1043	Improved Speed Range Brushless DC Motors: A Low-Cost Sensor less Control	Rajendra Kumar Sahu, Rahul Baghel, Ravi Prakesh Mahobia, Chandra Kumar Sahu, Nimmi Sharma and Manju
03.00 pm	KEE 1046	Design and Development of PV-Battery System Resilient to Regulate Grid Power Injection and Grid Supportive Features using Artificial Intelligence	M.Devaki, S.Sumathi, M.Malukannan, R.Uthirasamy

03.20 pm	KEE 1048	Techno-Economic Analysis Of Solar/Wind/Biogas Hybrid Renewable Energy System in Bangladesh Using Metaheuristic Algorithms	Salman Hossain, Iffat Nowshin Fahim, Ashik Ahmed, All Mumtahina Arika, Shantanu Rahman
03.40 pm	KEE 1050	Implementation of MPPT-SPV Fed Grid-Tie Inverter Integrated With ZVS DC-DC Converter Based Energy Storage	Sarbojit Mukherjee, Subhasish Khan, Sanjiban Dey
04.00 pm	KEE 1069	Isolated Bridgeless Single-Stage PFC Converter for EV Charging Application	Vinay Kumar Ambeeru, Sailaja V

Session 11: CS06 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.K.Venkatesh Guru & M. Prakash**Session Coordinator(s):** Mr.S.Gowtham**Session Link:** <https://meet.google.com/dbb-ejvf-xhv>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KCS 4057	An Efficient and Fast Method for Image Super Resolution by Block Based Image up Sampling	Bhupesh Gupta, Gagandeep Singh, Mohit Chhabra, Amit Kumar Bindal, Avinash Sharma
10.50 am	KCS 4058	The Impact of Machine Learning on Supply Chain Management in Relation with Mass Production for Society.	Gaurav & Roop Lal
11.10 am	KCS 4060	A Privacy-Preserving Framework for Enhanced Security in Smart Power Networks	B. Rajalakshmi
11.30 am	KCS 4061	A rule-based semi-automated OCR postprocessing method for aligning multi-language transcripts with multi-column text	Jarjish Rahaman, Ankita Jain, Kousik Sarathy Sridharan and Mohan Raghavan
11.50 am	KCS 4062	Adaptation of Artificial Intelligence and Fuzzy Graphs to Eradicate the Epidemic in Smart cities of India	B. Angel and D. Angel
12.10 pm	KCS 4064	Transforming Agriculture with AI: Automated Crop Insect Identification Using InceptionV3 Transfer Learning	Thyagarajan. K.K, Kalaiarasi. G, Nirmala. G, Saravanan. PS, Vignesh. T, Makashkumar. V
12.30 pm	KCS 4066	Detection of Brain Tumor From MRI Samples Using Deep Learning Algorithms	Rashi Agarwal, Parismita Sarma, Nabamita Deb, Partha Pratim Mazumder
02.00 pm	KCS 4077	Automatic License Plate Recognition (ALPR) using YOLOv5 model and Tesseract OCR engine	Tejas Thapliya, Sarthak Bhatt, Vandana Rawat and Sudhanshu Maurya
02.20 pm	KCS 4083	Deep Learning based Automated Rice Plant Disease Recognition and Classification Model	D.Felicia Rose Anandhi & S.Sathiamoorthy

02.40 pm	KCS 4085	Comparative Analysis of Prediction Models for Particulate Matter (PM2.5) Prediction	Gaurav Narkhede, Anil Hiwale, Mangesh Pawar, Shagun Dixit
03.00 pm	KCS 4088	ResNet Repeat Vector Optimized Output Layer based Brain Stroke Prediction	M. Shyamala Devi, Dongari Ajith Kumar, Chamarthi Laharee
03.20 pm	KCS 4092	A New CODAS-SORT Method On Neutrosophic Soft Matrix	K. Lalitha and S. Sarguna
03.40 pm	KCS 4097	VANETs based Intrusion Detection System for false message identification	Adithya B V, Roopa Ravish

Session 12: CS07 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.E.Baby Anitha & Dr. V.Durgadevi**Session Coordinator(s):** Mrs.K.Yamuna**Session Link:** <https://meet.google.com/zve-xqiy-qpd>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KCS 4099	Mathematical Modeling of Social Networks using Hypergraphs	A. Meenakshi , O. Mythreyi
10.50 am	KCS 5004	Classification of Music Genre Audio Signals Using Deep Neural Networks	V.Naveen, S Sountharajan
11.10 am	KCS 5008	A Comprehensive Overview of Hand-drawn Flowchart-to-Code Conversion Using Tensor Flow	Aarav Shah, Reetu Jain
11.30 am	KCS 5009	Application of Recurrent Neural Network Application in Identifying the Classical Indian Dance Steps from the Video Inputs	Sahasra Chinthireddy, Reetu Jain
11.50 am	KCS 5013	Detection of Keratoconus and Forme Fruste Keratoconus through Supervised Machine Learning Algorithms	Savita R. Gandhi, Jigna Satani, Kashyap Jadav and Arshil Shah
12.10 pm	KCS 5015	Intuitionistic Fuzzy Graph on Zagreb Index	J.Senbagamalar , A.Meenakshi, V.Gomathi
12.30 pm	KCS 5019	An Efficient Method of Data Encryption for Securing HDFS	Shivani Awasthi, Narendra Kohli
02.00 pm	KCS 5021	Analysis of Machine Learning Model for Predicting Sales Forecasting	Puneet Kumar Yadav, Vipin Kumar, Ravi Bhushan, Piyush Kumar Singh
02.20 pm	KCS 5026	Brain Tumor Classification Using Optimal Features and Ensemble Learning Algorithms	Kuppusamy P, Veena Sree Kodavaluru, Shruti Manojkumar Bogar

02.40 pm	KCS 5032	Calcified Tissue Detection using Deep Learning Models in Intravascular Ultrasound images	Priyanka Arora, Parminder Singh, Akshay Girdhar
03.00 pm	KCS 5034	An Efficient Medical Cost Prediction System with Machine Learning and Deep Learning Model	G.Suryakala Eswari, I.Gayathri Devi, Ch.K.Rupesh Kumar, U.V.Ramesh, A.Lakshmanarao
03.20 pm	KCS 5039	Coverage Optimization using Fuzzy and Artificial Bee Colony Algorithm in Wireless Sensor Networks	A.Revathi, S.G.Santhi
03.40 pm	KCS 5041	A Comprehensive Analysis on Various Machine Learning Algorithms for Child Birth Mode Prediction	Hemalatha S, Maria Anu V

Session 13: CS08 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.S.Vadivel & Dr. M. Iyapparaja**Session Coordinator(s):** Dr.E.Vani**Session Link:** <https://meet.google.com/agw-ecmq-gai>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KCS 5046	TOPSIS for Octogonal Neutrosophic Fuzzy Numbers in Multicriteria Decision Making	G.Punithavalli, N.Karthika
10.50 am	KCS 5054	Comparative Analysis of Machine Learning Models for Prediction of Heart Attacks	Kunal Kumar Singh, Rahul Mehra, Narinder Kaur, Neha Dhiman
11.10 am	KCS 5055	Machine Learning based Sentiment Analysis of YouTube Video Comments	Harshit Ahuja, Narinder Kaur, Puneet Kumar, Abdul Hafiz
11.30 am	KCS 5058	Identifying appropriate feature selection techniques for renal disease classification models	Manojkumar.V, Karthikeyan.AL, Pragadeesh.B, Rajendiran.P, Karthikeyan.B, Manikandan.G
11.50 am	KCS 5063	An Enhanced Triple Prime Encryption Approach for Image Encryption in LSB Steganography	B. Bharathkumar, S. Logeswar, S. Sudharsun, B. Karthikeyan
12.10 pm	KCS 5064	Temperature Prediction of Permanent Magnet Synchronous Motor Using AI Techniques for Effective Traction Control	Judeson Antony Kovilpillai J, Lalli .K, Puneet Kumar Yadav and Prabhakaran M
12.30 pm	KCS 5079	An Experimental Analysis of the Software Bug Prediction and Identifications Approaches with Different Levels of Inheritance	Raj Kumar, Jyoti
02.00 pm	KCS 5080	Efficacious routing approaches in Vehicular ad hoc network: An empirical study	J Jesy Janet Kumari, S.Thangam
02.20 pm	KCS 5085	Exploring Research Opportunities to Apply Data mining Techniques in Software Engineering Life Cycle	J. Anitha Gracy, R.Bagavathi Lakshmi

02.40 pm	KCS 5087	Prediction and Analysis of Next Website Request by Using Fuzzy Approach	Hardik Ashvinbhai Gangadwala
03.00 pm	KCS 5091	The Modular Product of Two Cubic Fuzzy Graph Structures	A. Meenakshi and Shivangi Mishra. J
03.20 pm	KCS 5092	Gesture Based Hand Control System for Power Point Presentation	Minu P Abraham, Gaurav Murdeshwar Divya Jennifer Dsouza
03.40 pm	KCS 5095	A Novel Hybrid Routing Algorithm for upgrading Network Efficiency	Sheenam, Raman Chadha

Session 14: CS09 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.R.Banupriya & Dr. P. Balamurugan**Session Coordinator(s):** Mrs.A.Vasanthi**Session Link:** <https://meet.google.com/edk-qfmf-rhg>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KCS 5097	Cloud Computing Based Diabetes Classification Using Binary Grey Wolf Optimization	I Jasmine Selvakumari, M.Praveen Kumar, B.Saravananan, V.Niranjani, V.Muneeswaran
10.50 am	KCS 5099	Harmonic Analysis technique to predict monthly rainfall amount	R.Shanmugapriya and R.Shenbagavalli
11.10 am	KCS 6001	Cryptocurrency Algorithmic Trading with Price Forecasting Analysis using PowerBI	Lalit Shrotriya, Lalit Shrotriya, Ritesh Khatwani, Avanti Chinmulgund, Mahima Mishra, Madhura Bedarkar, Pritesh Shah, Ravi Sekhar
11.30 am	KCS 6006	Fuzzy network using vertex order coloring	A.Meenakshi, S.Dhanushiya
11.50 am	KCS 6007	A Hybrid Approach for Soil Nutrient Estimation using Multispectral Data in Belgium and Luxembourg	Shagun Jain, Divyashikha Sethia, K.C. Tiwari
12.10 pm	KCS 6008	An Email Assistant System based on Voice Command	Bharat Sharma,Biplab Roshan, Madhav Gaur, Paramita De
12.30 pm	KCS 6010	Implementing Convolutional Neural Networks in Low-Resolution Consumer Imaging Devices for Eye-Gaze Forecasting	Gunjan Sharma, Vatsala Anand, Sheifali Gupta
02.00 pm	KCS 6012	Multi - IRS aided communication for improved performance in massive IoT network	Ankita Rana, Ashu Taneja
02.20 pm	KCS 6013	Distance-Centric Modularity: Unveiling Network Structures Through a Novel Graph Measure	Theresa Jimmy, Manjusha R

02.40 pm	KCS 6015	Genetic Privacy Shields: A DNA Steganography Approach for Multi-Level Text Encryption	I R Oviya, S Harshita, C M Jayanth Adhitya, P Geethika Naidu, T Bashpika, V S S S R Manikumar
03.00 pm	KCS 6019	New Enhanced Hybrid Cryptographic Algorithms in Cloud Network	Garima Singla, Gaganjot Kaur
03.20 pm	KCS 6021	Comprehensive Strategy For Analyzing Dementia Brain Images And Generating Textual Reports Through ViT, Faster R-CNN And GPT-2 Integration	Sai Santhosh V C, Nikhil Eshwar T, Riya Ponraj, Kiran K
03.40 pm	KCS 6060	Credit Card Fraud Detection Using Machine Learning Techniques	Praneti Lipte, Purvi Murkute, Nekita Chavhan, Chetan Dhule, Rahul Agrawal

Session 15: EC03 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.S.Karthikeyan & Dr.E.Prabhu**Session Coordinator(s):** Dr.S.Senthilkumar**Session Link:** <https://meet.google.com/xni-orvi-emw>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KEC 2025	3D Auto Segmentation Module for Ischemic Stroke Lesions from MONAI	E. Ruthra, A. Ruhan Bevi
10.50 am	KEC 2028	Deep Learning for Pneumonia Detection: Leveraging SqueezeNet and Feature Extraction algorithm	Rahul Gowtham Poola, Lahari P.L, Siva Sankar Yellampalli
11.10 am	KEC 2029	Enhancing Signal Integrity in High-Speed Communication Systems Through Adaptive Equalization Techniques	Aravinda K
11.30 am	KEC 2030	On-demand Notched Reconfigurable MIMO Antenna for WLAN, WiMAX, and X-band Applications	Ranjana Kumari, V.K. Tomar
11.50 am	KEC 2033	Detecting Lung Nodules based on Deep Learning with Automatic Segmentation	Kishore Sebastian, S. Devi
12.10 pm	KEC 2034	Design of steerable antenna cluster for VANET, Wi-Fi, and WiMAX networks	Jain Anuj, Anshul Mahajan, Pillalamarri. Laxman
12.30 pm	KEC 2038	Design of Dual Gate Carbon nanotube FET and Analysis the Short Channel effects	Arul P, Helen Prabha K, Abirami N and Vanmathi P
02.00 pm	KEC 2040	Streamlined Synchronous Binary Counter with Minimized Clock Period	Akhila V and T K Ramesh
02.20 pm	KEC 2047	Development and Evaluation of Stress Ball with Embedded Sensor for Exercise and Muscle Strength Assessment in Autistic Children	Abhay Malik, Reetu Jain

02.40 pm	KEC 2049	A Cable-driven Robot for Indoor Acrylic Emulsion Painting	Alkira Akarawarit, Supachai Vongbunyong
03.00 pm	KEC 2059	Optimization of Network Performance using Multiprotocol Label Switching	Rajinder Kumar, Karan Kumar, Sharad Sharma
03.20 pm	KEC 2072	Enhancing Photovoltaic Performance of CsPbI ₂ Br-Based Perovskite Solar Cells through Thickness Optimization	Savita Rawat, Jaya Madan
03.40 pm	KCS 4055	Sentiment Analysis of Tamil Tweets using Deep Convolution neural networks	M. Rajasekar, Angelina Geetha

Session 16: EC04 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.T.M.Sathishkumar & Dr.S.Karthick**Session Coordinator(s):** Mr.S.Dhivagar**Session Link:** <https://meet.google.com/wwt-kxzv-ykz>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KEC 2073	Investigation of Neural Correlates of head and facial movement using fNIRS	Akila v, J Anita Christaline
10.50 am	KEC 2079	A Comparative Study of OMA and NOMA in 5G Networks, Analyzing Performance and Optimizing Wireless Network Capacity using NOMA.	Himanshi, and Corresponding Author- Vikas Nandal
11.10 am	KEC 2087	Design of an efficient soil parameter monitoring & health prediction model via regressive optimizations	Anagha Choudhari, Dinesh Bhoyar, Walchandas Badole
11.30 am	KEC 2095	Wideband C-Slot Microstrip Antenna for IoT Applications	Neethu Bhaskaran, G Shine Let
11.50 am	KEC 2098	Improved Deep Learning for Cervical Cancer Screening	Sagar C V, Kavya, Anupama Bhan
12.10 pm	KEC 2099	Evaluation of Multi-carrier Modulation Techniques for 5G Networks	Anupriya, Vikas Nandal
12.30 pm	KEC 3001	Growth of electronic devices to circumvent the upcoming challenges from Artificial Intelligence	Annie Maria, Rajnish Sharma, K.K.Mishra
02.00 pm	KEC 3002	Frequency-based Audio Classification for Preventive Maintenance in Automobile Engines	Debie Shajie A, Sujitha Juliet, Kirubakaran Ezra, Matthew Palmer, Blessy Annie Flora J
02.20 pm	KEC 3003	Improved U-Net Framework for Accurate Lumen Segmentation in Cross-Sectional Ultrasound Images of the Carotid Artery	Prathiba Jonnala, Sitaramanjaneya Reddy Guntur

02.40 pm	KEC 3016	Investigation of DC Performance of TFET using Dielectric Pocket at Source and Drain Side	Sangeedh, Maturkar Shreyanshi, Ajay Singh Raghuvanshi, Kaushal Kumar Nigam, Dharmender
03.00 pm	KEC 3018	A Novel Data Burst Generation Algorithm Using Hysteresis Characteristics	Rajinder Kumar, Karan Kumar, Sharad Sharma
03.20 pm	KEC 3022	Computational Intelligent Algorithms to resolve the RWA problems of WDM networks	Pratima B K, Madhavi M, S N Gondakar
03.40 pm	KEC 1024	Performance Analysis of Single and Multi Pumps usage in Water Distribution System using 2-Timer Relay and Differential Pressure Switch	C.Sivamurugan, Perumal A B, Muthu Kumaran E, Jayahari Prabhu G, Koushik Reddy K Rajesh V

Session 17: EE02 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.G.Vijayakumar & R.Veeramani**Session Coordinator(s):** Mr.M.Subramani**Session Link:** <https://meet.google.com/mak-feef-xyb>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KEE 1070	Design and Simulation of Non-isolated Bidirectional DC-DC Converter for Vehicle Application	Ankitha K, Lekshmi S
10.50 am	KEE 1072	Coordination Control for Battery Augmented Roof Top Wind-Solar Integrated System	Vipin Gaonakar
11.10 am	KEE 1073	Optimizing Tin-based Solar Cells: Unleashing the Potential of CsSnI ₃ Perovskite for a Sustainable Energy Future	Savita Rawat, Jaya Madan
11.30 am	KEE 1074	Analysis of Exponential Horn in the Ultrasonic Machining Through Numerical Investigation	Bannela Prudvi, Shivani Kumar, Jagadeesha T
11.50 am	KEE 1076	Numerical Study of Temperature and Plasma Field in Laser Ablation of Inconel 718 superalloy	Pranjal Srivastava, Manikandan M, Jagadeesha T
12.10 pm	KEE 1077	Kinematic Analysis of Lower Limb Exoskeleton	Surya Prakash S, Arunkumar S, and Nitin Jayakumar
12.30 pm	KEE 1078	An Adaptive Quadrant Filter-based PLL Approach for Grid Connected Multifunctional Inverter	Naveen Kumar Diddi, K.V.N.S.Pavan kumar
02.00 pm	KEE 1083	ANFIS controller based PV-DSTATCOM for improving Power Quality	Yadhun M
02.20 pm	KEE 1087	Implementation of an Improved Phasor Approximation Technique for Compensating the CCTV Transient Effect	Mamidala Vijay Karthik, M Pala Prasad Reddy, G MadhusudhanaRao, A. Hima Bindu, B.Rubini, Vanam Satyanarayana
02.40 pm	KEE 1093	Experimental Investigation of Single Slope Solar Still Using Black Granite and Marble Stones as Energy Storage Material (ESM)	Kumaravel. S, Nagaraj.M, Bharathiraja. G

03.00 pm	KEE 1094	Enhancing Photovoltaic Cell Efficiency through Absorber Layer Thickness Optimization	Vishal Yadav, Rahul Pandey
03.20 pm	KEE 1095	Enhancing Efficiency and Stability in 2D DJ Perovskite Solar Cells by Varying Acceptor Density	Vishal Yadav and Rahul Pandey
03.40 pm	KEE 2002	Design and Implementation of Low Power Multi-Output Flyback Converter for Nano-Satellite Applications	Manoj K M B, Padmavathi K
04.00 pm	KEE 2026	Comparing On-Board Chargers and Quasi-Z-Source Converters for Integrated Charge Controller Applications in Electric Vehicles: An In-Depth Analysis	Subhanarayan Sahoo, Kannan Selvam, Harsh Dhiman and Kaumil Shah

Session 18: EE03 - ONLINE**Date:** 20.10.2023**Time:** 10.30 am to 04.00 pm**Session Chair(s):** Dr.C.Gowrishankar & Dr.S.Sathish Kumar**Session Coordinator(s):** Dr.D.Gowrishankar**Session Link:** <https://meet.google.com/qbf-uaam-bfg>

Time	Paper ID	Paper title	Author Name(s)
10.30 am	KEE 2006	Intelligent Intruder Detection System for a Surveillance Rover	S. Bhargavi, John Babu Bale, N. Manoj Reddy, Naziyathabasum Nimagalu, M. Nithya
10.50 am	KEE 2007	Modular Multi Converter for DC Fault Protection based Levy Multi-Objective Gray Wolf Optimization	P.K.Dhal, M.Chandrashekha, Sareddy Venkata Rami Reddy, Vempalle Rafi
11.10 am	KEE 2014	Transformer Oil Testing Using Comb Structured Capacitive Sensor	Shaheen Parveen, Shabana Mehfuz, Shakeb A Khan, Obaidur Rahman Khan,
11.30 am	KEE 2015	A Review on Recent Multilevel Inverter Topologies with Reduced Count of Components	Abdul Nadeem, Mohd Mohsin Sohail
11.50 am	KEE 2023	High-Frequency Load Independent Electroporator Circuit Design for Nanosecond Pulse Generation	Selvakumar Ganesan, Debarshi Ghosh, Ashu Taneja, Nitin Saluja
12.10 pm	KEE 2024	Performance Analysis of Hydropower System Using Model Order Reduction	Punam Kumari, Praveen Kumar, Pankaj Rai, Amit Kumar Choudhary
12.30 pm	KEE 2029	Comparative Performance Analysis of Order based Generalized Integrator type Phase Locked Loops for a polluted Grid	Poonam Tripathy, Banishree Misra and Byamakesh Nayak
02.00 pm	KEE 2030	Novel Maximum Power Point Tracking Implementation Using Satin Bowerbird Algorithm	Avinash Pingali, Srinivas Paruchuri, Chinmai Vailipalli, Venkata Kanaka Durga Bhavani Devineni, Hafsa Shaik, Naga Sai Kaushik Nandivada
02.20 pm	KEE 2036	Design and Reliability Assessment of Inductor for Non-isolated DC-DC Buck converter	Kuldeep Jayaswal, D. K. Palwalia, Josep M. Guerrero

02.40 pm	KEE 2038	A Comprehensive Compilation of the Characteristic and applications aspects of Organic Thin Film Transistors	S. Manasa, Shubham Negi, Garima Chandel
03.00 pm	KEE 2042	A Novel Cuckoo Search Algorithm for Enhancing DC Link Voltage in Micro Grid System	S. Prakash, G. Nagaraj
03.20 pm	KEE 2043	GWO Based PI Controller Assisted Half Bridge Sub Module MMC for Hybrid Energy System	S. Prakash, M. Thara Shree
03.40 pm	KEE 2044	Integrated Perturb and Observe Algorithm to Extract Maximum Power in Hybrid Renewable Energy System	R. Lal Raja Singh, S. Agathiyan, G. Ganesan @ Subramanian, K. Pradheep