

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time:2.00 pm-4.00 pm

Venue: EEE Seminar Hall

Chair: **Dr.Dharun V S**, Professor, Rajas Institute of Technology, Nagercoil

Session Title/Area: **Communication & Networks**

Faculty In Charge: **Prof.Hima Mohan**, Assistant Professor, Baseliros Mathews II College of Engineering Kollam

Rapporter: Ms.Rachel Varghese

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	46	Dr.N.Senthil Kumar	Prepaid Energy Billing System Using Global System For Mobile Communication
2	66	Ms. Madhurima Sinha	Design of Trash Can Sized Satellite for air quality monitoring at an altitude of 300m above Ground Level
3	109	Mr.Antony Judice	Current advancements in Radar Communication and its future research directions
4	119	Mr.Alen Tom Vincent	Automatic Mocktail Maker
5	134	Mr.Akshay A	Secure 4 Square: An IoT Based Industrial Security System
6	229	Mr. Ayush Gupta	Mixed Signal Design of Phase Frequency Detector with Charge Pump using 130nm PDK
7	269	Ms.SnowlinPreethi Janani	Automatic announcement system
8	278	Ms.Krishna A Dr. Vinod BR	Sliding Mode Controlled Sepic Converter for Variable Voltage Applications
9	332	Ms. LakshyaRasaporlu	Design of a 7 Element Yagi Uda Antenna for tracking LoRA based Satellites operating at 433MHz
10	333	Mr. K. Sai balaji	Studies on Attitude Determination and control System for 1U Nanosatellite
11	402	Mrs. Aiswarya Lakshmi V	Detection Of Sleep Apnea Based On Snore Signals Using Machine Learning Techniques
12	547	Mr.Atava Somu Shankar	Simulation and Analysis of Accelerometer Bias Estimation in Inertial Navigation System
13	562	Mrs.Maya.K.G	Wavelet- Sub Pixel based Single Image Super Resolution
14	628	Mr. C. Sanjay Mr. S. Ganesan	Design And Development Of APM 2.8 Controller Based Drone System For Healthcare Application
15	633	Mr. ShishirShrivastava	Comparative Analysis of Power, Temperature and Hardware Utilization on Implementation of Half Adder
16	834	Ms.Vishnupriya B R	Sliding-mode for Torque and Flux control of the Induction motor
17	842	Dr.Muthuvel K	Hybrid feature extraction technique for ECG signal arrhythmia classification

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: MBA Class 1

Chair:**Dr.Shaji R S**,Professor,St.Xavier Catholic College of Engineering

Session Title/Area:**AI & Machine Learning**

Faculty In Charge:**Prof.Geethumol P.V**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter:Ms. Arsha V Sasidharan

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	19	Dr. M. Ananthi Mr. T. P. Dhiraj Prasad Mr. R. Jai Vignesh Ms. AathrayeeShankara Narayanan	Cardiovascular disease prediction using Randelistic Algorithm
2	73	Ms. YunikaKadayat	Sustainable Global Democratic e-Governance System Using Vedic Scripture, Artificial Intelligence, Cloud Computing and Augmented Reality
3	98	Mr. Sabarish .V	Analysis and Identification of Sleep Apnea by availing Random Forest and SVM
4	100	Ms.FathimaKadhoon	A Text-based approach for diagnosing depression using social media texts
5	154	Ms. Vidhya VB	Dual Authentication Voting System with Facial Recognition and Fingerprint using CNN
6	168	VibhaDandu	ACE: Automated Exam Control and E-proctoring System Using Deep Recognition
7	190	Mr. Sonu Jose	Machine Learning Technique to Analyze the Health Condition of Athletes and Predict their Performance
8	196	Mr. S. Patric Roshan	XGBoost Based Machine Learning Techniques for Water Quality Prediction
9	198	Mr. Shiva Mehta	Agriculture Breakthrough: Federated ConvNets for Unprecedented Maize Disease Detection and Severity Estimation
10	199	Mr. Shiva Mehta	Decentralized Detection of Cassava Leaf Diseases: A Federated Convolutional Neural Network Solution
11	200	Mr. Shiva Mehta	Revolutionizing Cassava Leaf Disease Detection with Federated Learning CNN and Multi-Level Severity Assessment
12	201	Mr. Shiva Mehta	Apple Leaf Disease Recognition: A Robust Federated Learning CNN Methodology
13	208	Viswamohan R Dr. Deva PriyaIsravel	Wind Energy Production Prediction in Smart Industries
14	236	Mr.Darwin David	Sentimental Analysis Based on User Emotions Using Machine Learning
15	274	Ms.Priyanga K.K Dr.S.Sabeen	An Effective Image Compression and Denoising of Image using Deep Learning Technique
16	286	Dr R. Leo	Multi-Agent Systems and Advanced Technologies for Energy management of microgrid
17	524	Mr. Deepak Raj G Mr. Ananda Raja T Mr. Sowndhar R Mrs. Annie Isabella L	Design And Implementation Of Multi Domain Monitoring Device To Improve Soil Health
18	1079	Mr. Manish Kumar	Inbuilt chat GPT feature in smartwatches

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: MBA Class 2

Chair:**Dr.Muthuvel K**, Professor, Noorul Islam centre for Higher Education

Session Title/Area: **Image Processing**

Faculty In Charge:**Prof.Deepthy S**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Arjun Babu

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	57	Mr. Bharat Puri	Analysis Of Deepfake Detection Techniques
2	71	Mrs. S.T.Santhanalakshmi	An Analysis study on the Different Approaches of Deep Learning for Object Recognition and Detection
3	93	Ms. AneenaThankachan	HydraSave : A Unique River Water Quality Forecasting and Pollution Control System
4	194	Mr. Nikhil R Prince	Makaton Sign Language Recognition
5	240	Mr.ShubhamPatil	Web3 based Funding Platform
6	414	Mr.Marshel C Mathews	Hand Gesture Recognition and an App for Dumb and Deaf People
7	417	Mr.Sarthak P Perti	The use of Image Processing for the Classification of Diabetic Retinopathy
8	420	Mr. Akash K	Comparison of Cost Forecasting Algorithm for Industrial Loads
9	449	Ms. Swati Verma	Medical Image Classification using CMT and FTGD Layer
10	492	Ms.AmalnaSudheer Mr.AthuljithA S Ms.Sona Raju Mr Arjun Bharath S R	VOX: Voice of the Xtreme
11	507	Mrs Anju Vincent	A Survey on Deep Learning Approach for Identity Recognition Using Finger Vein Biometrics
12	528	Ms. K. Shivani	ASAP : Assistant System For Alzheimer's Patients
13	545	Mrs.C.S.Parvathy Dr.J.P.Jayan	Optimized Reformed Histogram Equalization and SE-CNN with Chan Vese Segmentation for an Automatic Prediction of Lung Cancer
14	678	Mr. Pankaj Kumar	Pre-trained Deep Learning-based Approaches for Eye Disease Detection
15	766	Mr. Vansh Aggarwal	A Comparative Study of Directory Fuzzing Tools
16	777	Mrs.B.Poorani	Contour-Based Identification Of Multicystic Ovary Morphology Using Us Images Of Ovaries
17	965	Ms. Nikita	Brain stroke detection and prediction using machine learning approach: A cloud deployment perspective
18	989	Mr. Priyanshu Singh	Design and Development of a User-Friendly Social Media App using the MERN Stack

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: CSE Seminar Hall

Chair: **Dr.Muthukumar Paramasivan**, Professor, PVP Siddhartha Institute of Technology

Session Title/Area: **Electric vehicles & Renewable energy system**

Faculty In Charge: **Prof.Giji Sonia**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Ms.Neenu Prasad, Ms.Kayva R

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	212	Mrs. B. Parvathi Sangeetha	Energy Management System using Cascaded Neural Network for a Hybrid Electric Vehicle
2	214	Mr.Vishnu R	Static Wireless Charging For Electric Vehicles
3	241	Mrs.Reena S Rajan	Development and Evaluation of LSTM Based Framework for Safe Retinal Microsurgery Using Force Sensing Micro- Forceps
4	242	Mr.S.Loahit	Optimal Charging Process for Electric Vehicle using Renewable Energy Source
5	352	Mrs. Sumitha A Dr. Rimal Isaac R S	A Study on Computer Aided Techniques for Histopathology Based Breast Cancer Classification
6	512	Ms. Harija H	An Efficient BLDC Motor Drive for Electric Boat
7	527	Ms. Athira R. S.	Techniques for Torque Ripple Reduction in BLDC Motor for EV
8	533	P. Ramesh Babu	Web Server Based Soft Starter For Dc Shunt Motor
9	536	Dr. Ginu Ann George	Design of Electrical Bicycle using Matlab-Simulink
10	539	Ms.RiyaMajeed P	Sensorless Field Oriented Control of Induction Motor Drive using Extended Kalman Filter (EKF)
11	543	Ms. Karthika S R	Common Mode Voltage Elimination Scheme in Dual Inverter With Reduced Harmonic Distortion
12	561	Ms. Vijayasree G	Loss Analysis of High Speed Homopolar Inductor Alternator
13	565	Mr. VikashGurugubelli	Model Predictive Control for Regulating the Inverter in a Standalone Mode
14	593	Dr.P.Muthukumar	A Review Study On The Impact Of Electromagnetic Fields In The Development Of The Brain
15	818	Dr.S.Nageswari	Optimization Enhancement of Output Voltage for PV System with 9 Level Inverter
16	1026	Dr.Binu Ben Jose D.R	Power Quality Enhancement in IOT Based Hybrid Renewable Energy Systems using D-STATCOM

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: Einstein Hall

Chair:**Dr.P.Jenopaul**,Professor,AdiShankara institute of engineering and technology

Session Title/Area:**Electrical System**

Faculty In Charge:**Prof.Priya Geevarghese**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Sangeeth Santhosh, Ms.Adithya Anil Kumar

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	101	Mr. J. Ajay Daniel	Design of Automated Control and Monitoring System for Intravenous Infusion Based on IoT
2	139	Mr. M .Ramasubramaniam	Smart Load Safety
3	283	Ms.Kavya S Mrs.Sreelatha K S	Optimising Waiting Times at a Major Orthopaedic Hospital using Simulation – A Case Study
4	284	Ms. Anagha A Mrs.Sreelatha K S	Relevance of Queueing Theory in a Supermarket: A Case Study
5	301	MrsH.Vidhya	Internet of Things based Real Time Energy Monitoring System
6	324	Mrs. M. Saranya	Hybrid Renewable Energy Systems with Smart Power Management – A Comparative Study
7	339	Mr. V. Rattan Kumar	DFIG Based Wind Turbine Power Control System Using Cascaded ANN Controller
8	370	Mr.Sathish Kumar H	Probabilistic Neural Network Based Reference Current Generation For MLI Based Shunt Active Filter In Harmonics Reduction
9	371	Mrs. Shanmugapriya M	Recurrent Neural Network Based Harmonic Reduction And AI Based Voltage Stability Compensation in Distribution Feeder System
10	372	Mrs. Shanmugapriya M	Cascaded Neural Network Controller For Speed Control In Idtc Based Switched Reluctance Motor
11	375	Dr.Senthil Kumar R	AI Based ANN Control of Double Fed Induction Generator Based Wind Power System
12	379	Dr.Senthil Kumar R	An efficient Andean condor algorithm for optimal charging stations for electric vehicle
13	381	Mr. Pradeep Katta	Performance Investigation Of Renewable Energy Sources Fed 31-Level MLI For Drive Applications
14	384	Mr. Pradeep Katta	CNN Assisted SRF Theory With Firefly Optimized Single Phase UPQC System For PQ Improvement
15	535	Mr. Abhiram S Mr. Rahul R	Hybrid Solar-Powered Street Lighting System with Battery Storage and Grid Integration
16	583	Mrs. Suchismita Patel	Power Management of Hybrid Microgrid with Energy Storage System
17	899	Dr. B. Sri Revathi,	Optimizing Monthly Tilt and Azimuth Angles of Photovoltaic (PV) Panels in Brunei Darussalam

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: Civil Seminar Hall

Chair: **Dr. Teena Joseph**, Professor, St. Thomas College of Engineering Chengannur

Session Title/Area: **Soft Computing**

Faculty In Charge: **Prof. Cini Babuji**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr. Eric Binu Koshy

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	12	Ms. Lekshmi V	A Review on Collision avoidance application in automotive Ad hoc networks employing a novel source-based Ant colony optimization routing protocol using a Cross-Layer Approach
2	72	Mr. Jibu K Samuel	Intelligent Malware Detection System Based on Behavior Analysis in Cloud Computing Environment
3	291	Mr. Dhruv Saligram Mr. Manu Manjunath K R Mr. Dipayan Bhattacharjee	A Real Time Traffic Sign Classification Model Based on Convolutional Neural Networks
4	313	Jency W.G	Performance Analysis On Wind Power Forecasting In Machine Learning And Deep Learning
5	326	Ms. Mithuna Rajendran	Crop Price Prediction for Coconut in Tamil Nadu using Machine Learning
6	412	Ms. Aarsha V S	Suicidal Ideation Prediction Using Machine Learning
7	428	Dr. G. Geetha	Garbage Classification using Deep Learning
8	438	Mr. Isaac Ritharson. P	Study On Mental Health and Obesity among Children Based on Daily Activities and Effects using Machine Learning
9	452	Ms. Fathima Safa Kalungu Uthuman M ydeen	Subduing Crime and Threat in Real Time by Detecting Weapons Using Yolov8
10	457	Ms. Sakthi Sri P	Real Time Fake Logo Detection
11	482	Mr. Madhavan G	Chatbots Embracing Artificial Intelligence Solutions To Assist Institutions in Improving Student Interactions
12	484	Dr. Siva Balan R V	Assessing Academic Performance Using Ensemble Machine Learning Models
13	489	Mr. Akhil Krishna U Mr. Athul S George Ms. Ananya Kurian	Malayalam Sign Language Character Recognition System
14	490	Mr. Nongmeikapam Thoiba Singh	Facial Emotion Detection Using Haar Cascade and CNN Algorithm
15	499	Mohammed Nazneen Fathima	Brain Tumor Detection And Classification By Deep Learning And Machine Learning Approaches
16	852	Ms. A. Banushri	Hyperledger Blockchain And Lightweight Bcrypt Symmetric Key Encryption To Boost Cloud Computing Security Effectiveness
17	895	Ms. Vrinda Mishra	A Hybrid Approach For Leaf Classification Using Machine Learning And Deep Learning
18	1038	Mr. Thomas Thangam	Artificial Intelligence Based Reduced Switch Multilevel Inverter For Grid Connected PV Applications

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: CSE Lab 1

Chair: **Dr. Manu J Pillai**, Associate Professor, TKM College of Engineering Kollam

Session Title/Area: **Artificial Intelligence & Soft Computing**

Faculty In Charge: **Prof. Harikrishnan R**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr. Shine Varghese Saju

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	85	Dr. Panimalar Kathirolu	Enhanced monarch butterfly optimization algorithm with rank based selection and random jump strategy for constrained engineering problems
2	500	Ms. Amishi Agrawal	Autonomous Self Driving System Using Deep Learning Approaches And Impact
3	517	Pundru Chandra Shaker Reddy	An Adaptive Machine Learning Model For Walmart Sales Prediction
4	531	Mr. Alakesh Sarma	A Geospatially analysed method for Retrieval of Water quality parameters through Machine Learning Techniques
5	546	Mr. S. Margret Vijay Dr. J.P. Jayan	Evolution of Research on Adaptive Gamification: A Bibliometric Study
6	605	Mr. Prabhat Ranjan	Traffic Prediction Model Using Machine Learning in Intelligent Transportation Systems
7	607	Ms. Priyanka	Investigating the realm of big data analytics within social networking platforms.
8	657	Ms. Vaishnavi Vijay Tevare	Forecasting Stock Prices with Stack Transformer
9	662	Dr. Meenu Gupta	Breast Cancer Prediction Using Deep Learning Models
10	707	Dr. Joshila Grace L.K.	Automated Interview through Online Video Interface
11	738	Dr. M. Sailaja	Crop Yield Prediction Based on Machine Learning Techniques
12	802	Dr. Vinod Jain	Heart Failure Prediction Using Machine Learning Algorithms with Cross Validations
13	810	Mr. Prathimesh	An Approach to mine Data for Predicting Forest Fires Using Support Vector Machines and Gini Index for Feature Selection
14	829	Dr. P. William	Artificial Intelligence based Models to Support Water Quality Prediction using Machine Learning Approach
15	830	Dr. P. William	Architecture for AI-Based Validation of Wastewater Management using Open Data Exchange Technique
16	886	Mr. Sachin Sharma	Stroke Prediction Using XGB Classifier, Logistic Regression, GaussianNB and BernoulliNB Classifier

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: IQAC Room

Chair: **Dr.Manju J**, Professor, Mahaguru Institute Of Technology

Session Title/Area: **Electrical Vehicle**

Faculty In Charge: **Prof.Shyma S**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Tony K S, Ms.Arya S

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	142	Mr. Ajay George Mr. Balashankara R Mr. Saranjith.M.S Mr. Chandrachoodan	Multi-Sensor Based Regenerative Charging for Electric Vehicles
2	170	Mr. Ashwin S Nair Mr. H Harith	Design and Development of an efficient electrolyser for low cost hydrogen production
3	377	Mohammed Ovaiz A	FO-PID Controller For Stability Operation In Mmc Based Offshore Hvdc Wind Energy System
4	469	Mr. VinuVarshath S	Investigation of Integrated Bidirectional Converter with Eight Switch Inverter for Electric Vehicle Application
5	589	Ms.Greeshma K G	MTPA Based Efficient PMSM Drive for Electric Car
6	626	Mr. K.S.Kavin	Review of Maximum Power Point Tracking Based Novel Converters Used In EV Applications
7	703	Murat Isik	Comparative Analysis of Adiabatic Logic Circuits: Power Dissipation and Performance in FPGA and ASIC Implementations of ECRL and PFAL
8	795	Mr.MuhammedMuzammil N P T	Design and Implementation of Robust Controller for BLDC Motor Drive in Electric Vehicle
9	819	Ir Prof Dr Leong WaiYie	Digital Technology For Asean Energy
10	900	Mr. Karthikkrishna	Techno-Economic Analysis of Electrically Propelled Marine Vessels
11	1103	Dr.K.Sasikala	ANN controller for mitigation of power quality issues using single phase unified power flow controller
12	1112	L.Jenifer	Smart meter based on FPGA for battery monitoring

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue:Mechanical Seminal Hall

Chairs:**Dr. K. S. Angel Viji**, Associate Professor, College Of Engineering Perumon

Dr. Gouri M S, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Session Title/Area:**Soft Computing and Algorithms**

Faculty In Charge:**Prof. Shehna Salim**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Ms. Malavika M.S

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	64	Dr.B.Meenakshi Sundaram	Analysis of Time-lapse Camera using IoT
2	94	Praveen S	Multilingual Home Automation Using Telegram Bot And Raspberry Pi
3	150	Mr. Sidhant Chourasiya,	Employee Turnover Prediction by Machine Learning Techniques
4	189	Mr. Jose M Kanichai	Image Based Surveillance System
5	222	Ms. S. Sujima	IoT Based Real Time Energy Billing And Monitoring
6	265	Mr. Alex Kuriakose Mr. Chinmuanlal Nunthuk	Real Time Helmet and Mask Detection For Safety Critical Areas In The Workplace
7	280	Mr. Jeganpranav	Smart Fleet: An Advanced Web-Based Solution for Fleet Management and Security
8	419	Mr. Melvin Joseph K	An IOT Based Secure Smart Farming
9	424	Mr. Preetham Jaladi	Offensive Language Detection in Social Media using Ensemble Techniques
10	617	Ms. Anuja Sreekumar Mr. Shantanu R	Real Time Attendance Monitoring System Using Face Recognition
11	640	Ms. Gurpreet Kaur	Deep Learning Model for Lung Cancer Detection On CT Scan Image
12	702	Mr. Mayur Dafare	LoRa-Enabled Smart RS485 Data Logger and MQTT Gateway for Industrial IoT Applications using ESP32
13	823	Dr. R.A. Karthika	Detection And Classification Of DDoS Attacks In Cloud Data Using Hybrid Lstm And Rnn For Feature Selection
14	914	Mr. Dakshnakumar G S	Investigation on Driver Drowsiness Detection using Deep Learning Approaches
15	955	Mrs. D. Karthika Priya	Rail Fastener Fault Detection Based on Enhanced YOLOv7 Model
16	964	Ms. Nidhi Kumari	Analysis of Diabetes Disease Prediction Using Machine Learning Algorithms
17	1056	DR. D. Ferlin Deva Shahila	IOT Based Object Perception Algorithm For Urban Scrutiny System In Digital City

Technical Session - ICCPCT- 2023

Day – 10/08/2023

Time: 2.00 pm-4.00 pm

Venue: CSE Lab II

Chair: **Dr. Binu Ben Jose D R**, Professor, VIT

Session Title/Area: **Power Electronics**

Faculty In Charge: **Prof. Anu Varghese**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Ms. Arathy Saroj

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	53	Mrs. Nimmy Paulson	A Novel Single Phase Sinewave Inverter For A Solar Powered Home
2	78	Mrs.R.R.Rubia Gandhi	Speed Control of BLDC Motor using Modified Zeta Converter
3	88	Mr. M. Karthik	PV Fed High Frequency Inverter with Constant DC-Link Voltage for Load Application
4	103	Mr. G. Sivaramakrishnan	Power Factor Correction by Ann Based Bridgeless Improved Landsman Converter
5	144	Mrs.N.Divya	Mathematical Modelling and Cell Balancing of Lithium-ion Battery
6	268	Ms.S.Harishini	A novel Double Frequency Cascaded Boost Converter
7	272	Dr.M.Marimuthu	High Voltage gain Multilevel Cascaded Boost Converter for PV Application
8	302	Mrs H. Vidhya	Analysis of Switched Reluctance Motor Drives Using ANSYS Simplorer
9	373	Mr. Pradeep Katta	High Gain Sepic-Zeta Converter For Energy Management Of Wind-Pmsg Based Water Pumping System
10	376	R Suguna	Metaheuristic Optimization Based PI Controlled Interleaved Cuk Converter in PV System
11	378	R Suguna	GWO-PI Controlled Re-Lift LUO Converter for Standalone Load System
12	380	Mr. Mohammed Ovaiz A	Intelligent Controller Design For Fault Current Mitigation In Dstatcom Applications Using Three Phase Npc Inverter
13	383	Mr.MohammedOvaiz A	High Gain Luo Converter For ANFIS-GWO Optimized Pv Based Grid Tied Dstatcom Module
14	433	Mr. S. Prakash	Modular Multilevel Converter for Renewable System towards THD Mitigation
15	435	Mrs. L. Chitra	Solar Fed FLC Based Landsman Converter for EV Applications

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time:10.30 am-1.00 pm

Venue:IQAC

Chair:**Dr.Nishi S Das**,AssistantProfessor,Baselios Mathews II College of Engineering Kollam

Dr.Zina Ravindran,AssistantProfessor,Baselios Mathews II College of Engineering Kollam

Session Title/Area:**AI& Soft Computing**

Faculty In Charge:**Prof.Harikrishnan R**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Tony K S, Ms.Arya S

Sl. No	Paper Id	Registered Author(s)	Title
1	60	Mr. Jagandeep Singh	An Analysis of Metaheuristics Techniques to Optimize Hyper-Parameters for Deep Learning Models
2	251	Mr. Melvin .A	Sentimental Analysis from Social Media Post for Disaster Management
3	254	Mr. Nishant Jindal Mr. Hrishikesh Dubey	Decentralized Finance Token Staking
4	298	Mr. MD Fardeen	Study and Implementation of On-Board Computer Functionality in 1U CubeSat
5	407	Dr. Zahidi Rahman	CSGO: A Game-inspired Metaheuristic Algorithm for Global Optimization
6	445	Mrs. L. Chitra	Fault Analysis in Wind Energy Conversion System Using Doubly Fed Induction Generator with Probabilistic Neural Network Classifier
7	455	Dr.J.GodwinPonsam	Electronic Healthcare Management System using Blockchain Technology
8	476	Mr. Isaac Ritharson.P	GAN-Based Facial Feature Reconstruction for Improved Masked Face Recognition during Covid
9	493	Mr. Rohan Parija	Neuroplasticity Changes to Configure Human Talent
10	597	Mr. P Karthikeyan Mr. Arvind K R Mr. Ajith G	Plant Disease Prediction Using Efficientnet
11	598	Mr.Hariesh Ramesh	Alzheimer's Disease Prediction Using Deep Learning
12	618	Mrs. M. Hemalatha	A Novel Fast Mask Recurrent Convolutional Neural Network Developed To Detect the Accurate Location of PCG Murmur
13	646	Mr. Suresh Kumar J S	A Review on Content Based Image Retrieval Techniques
14	907	Mr. YashTiriyar Mr. PragyanJyotiBorthakur Mr. PrajwalPatil Mr. Mohanmad Bin Haleem	Deep learning techniques for the detection and classification of oral cancer using histopathological IMAGES
15	1121	Mr.Vishu V	A Survey on Design Concepts and Optimization in Dual Band Patch Antenna for 5G Applications
16	1122	Mrs.Shyma S	A Review on Topologies for Grid Integrated Electric Vehicle with Battery Storage
17	1129	Mrs. Priya A Geevarghese	Methods For Estimating SOC of LiBs in Electric Vehicles:A Review

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue:EEE Seminar Hall

Chair:**Dr.Rajeesh. J**,Professor,College Of Engineering Perumon

Session Title/Area: **Computing Algorithms**

Faculty In Charge:**Prof.Hima Mohan**, Assistant Professor, Baseliros Mathews II College of Engineering Kollam

Rapporter: Ms.Rachel Varghese

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	130	Mr A Kishore	Online Hand Gesture Recognition And Classification For Deaf And Dumb
2	220	Ms.FathimaBeevi M	T1-Weighted Magnetic Resonance Imaging For Automatic Stroke Lesion Segmentation
3	451	Ms.R.Niranjana V.Pradeepkumar R.MugeshKanna	Effectual Sun Tracking Solar Panel System
4	580	Mrs. K. Rema	Processing of ECG Signal using Optimized Feature Selection for the Prediction of Irregular Heart Beat
5	610	Dr. S. ArunKarthick	Design and Development of an fNIRS System for Analysing Brain Prefrontal Cortex
6	613	Mrs. T. R. Premila	MPPT Controller For Grid Tied PV System Based On Improved Sepic Converter
7	623	Mr. V. Balamurugan	Glaucoma Detection Using CNN Ensemble Classifier And OTSU Threshold Algorithm
8	742	Mr. S. Harshavardhan Naidu	Utilizing the Innovative Block Quantum Computing Approach of BQSAT for Secure Satellite Communication
9	801	Mr.Franklin J	The Performance Analysis of Single Phase PWM Inverter with Various Delay Times
10	822	Mr.Rahul Kumar	Localization of broken instruments inside the root canal using pulse-echo mode of ultrasonic signal
11	869	Dr. Ashwini A	Transmission Binary Mapping Algorithm with Deep Learning for Underwater Scene Restoration
12	881	Mr. Sivaram Kumar R	Design and Analysis of the Electrical Properties of different Dielectric Oxide Materials for Electrostatic Doping through Nanowire Multichannel FET
13	884	Mr. S Renjith	Indian Sign Language Recognition: A Comparative Analysis using CNN and RNN models
14	904	Mr. Siddhant Singh Maurya	Small Signal Modelling of Compensator based Virtual Synchronous Generator in Islanded AC Microgrid
14	906	Mr. Tejas B N Shetty Mr. Shane George Shibu Mr. Roshan Ismail Mr. Ryan Anil Muthirakalayil	Customer Feedback Analysis Based on Emotion Detection using Machine Learning Techniques with Privacy Preservation
15	962	Ms.Kalaiselvi.B	Recent Innovations and Improvements in Remote Heart Rate and Heart Disease Measuring Methods Using RGB Camera
16	1101	Ms.RSherlineJesie	A Review on Machine Learning to Detect and Classify Paddy Leaf Disease

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue: MBA Class 1

Chair: **Dr.Siva Balan R V**, Associate Professor Christ College, Irinjalakuda

Session Title/Area: **Machine Learning & Image Processing**

Faculty In Charge: **Prof.Geethumol P.V**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Ms.Arsha V Sasidharan

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	259	Ms. R Subikshaa	Automation And Control Mechanism For Textile Dyeing Process Using PLC And IOT
2	364	Ms.Amandeep Kaur	Trust Based Nodes Detection And Classification By Residual Network With Xgboost In Siot
3	365	Ms.Amandeep Kaur	Deep Reinforcement Base Multi Context Routing In Social Iot
4	578	Mrs. RollySaxena	Secured Health Monitoring System Using Optimized Block Chain Framework
5	579	Mrs. B. Shamna	Cardiac Affliction Detection Using Improved Grasshopper Optimized CNN
6	591	Mrs. N. P. Dharani	Blood Cancer Detection Using Improved Machine Learning Algorithm
7	592	Mrs. Dhanya G. S.	Fog Computing with Optimized Block Chain Technique for IoT Based Data Security
8	763	Mrs. M. Menaka	Asynchronous Circular Buffers based On FIFO for Network On Chips
9	796	Mr. R. Rajakingston	IoT based PV Monitoring System Using Modified KY Converter with Cascaded ANFIS -MPPT Controller
10	803	Mrs. DhanadeepikaBosupally	Optimized Convolutional Neural Network for Deregulated Congestion Management
11	837	Mr. Aditya Soni	Deep Learning-Based Image Retrieval: Addressing the Semantic Gap for Accurate Content-Based Image Retrieval
12	912	Mr. MaharajanArumugam	Optimized routing and security in Maritime safety applications
13	997	Mr. Ankush Milan	Impact of AI on social marketing and its usage in social media: A review analysis
14	1003	Miss Nisha	A Literature Survey on Handwritten Character Recognition
15	1011	Mr.Vansh Gupta	Comparative Study of Machine Learning Models for Early Gestational Diabetes Mellitus
16	1067	Mrs. C. Fabbina	High Switched Reluctance Generator for PSO Optimized WECS

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue: MBA Class 2

Chair:**Dr.Divya S.V**, Professor V.S.B College of Engineering Technical Campus

Session Title/Area: **Deep Learning**

Faculty In Charge:**Prof.Deepthy S**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Arjun Babu

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	42	Mr. Aneesh Pradeep	Empowering Special Education Through Information Technology
2	43	Mr.Aneesh Pradeep	Enhancing Shopping Experience Through LoRa and RFID Technology
3	162	Dr. S.V Sonekar Miss VidhyaNimje Miss EktaParaswani Miss Vinita Larokar Mr. KrushnaMalthankar	Design And Implementation Of A Water Component Tester For Determining Water Content In Fuels
4	187	MsSharmila A	Fruits Freshness Recognition System by Incorporating versatile neural networks
5	226	Mr. JenowinJebadoss A	Detection of Whiteflies in Plants using Deep Learning
6	255	Mahfuzulhoq Chowdhury	Union Parishad: A Rural Village Council Based Mobile Application For Village Peoples Local, Medical, IT, and Complaint Assistance Services
7	347	Mahfuzulhoq Chowdhury	The Optimist: An User Choice-aware Mobile Application featuring Entrepreneur Support, Entrepreneur Selection, and Investor Assistance
8	350	Miss.Mridula Devi I	Game statistics forecast based on sports using machine learning
9	351	Mr. Pushkar Sharma	Fake News Detection using Deep Learning Based Approach
10	606	Ms.Sreemathy S P	Flood Prediction Using Logistic Regression
11	672	Mr.Bhargav Sharma	Healthcare in the Aftermath of COVID-19: Charting a Course for the Future
12	714	Mr.A.Lakshmanarao	Fake News Detection using ML and DL Approaches
13	765	Mrs. C. Maria Sheeba	Stochastic Based Clustering and Improved Whale Optimization Algorithm to Predict Sickle Cell Anemia in Tribes of Nilgris
14	916	Mr. Narayan Vyas	Multimodal Neuroimaging Data in Early Detection of Alzheimer's Disease: Exploring the Role of Ensemble Models and GAN Algorithm
15	920	Ms. K MShiwangi	Effective Heart-Disease Prediction by Using Hybrid Machine Learning Technique
16	996	Mr. Pranshul Agarwal	Meta-Analysis of Spread of Disease: COVID-19

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue: CSE Seminar Hall

Chair: **Dr.R.A.Karthika**, Assistant Professor SRM Institute of Science & Technology

Session Title/Area: **Image Processing & Deep Learning**

Faculty In Charge: **Prof.Giji Sonia**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Ms.Neenu Prasad, Ms.Kayva R

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	44	SanjarNurgaliyev	Advancements in Brain Implants: Bio Sensors, IoT and Security Concerns
2	84	Dr.R.Shanthakumari	Glaucoma Detection using Fundus Images using Deep Learning
3	158	Miss OgiralaYasesvinagasaidurga Miss Rayapureddy Chandra Rekha	Evaluation of Continuous Improvement of Competencies and Approaches to Employment Support
4	257	Mr. Jonat J Mathew	Fruit Freshness Detection using IoT and Deep Learning
5	344	Dr. A. Albert Raj Mrs. R. Reeba Jennifer	A Novel Quantum States based AI learning on MRI brain slices for the Intracranial tumor detection
6	475	Mr. VernekarAdarshGurudas	Sharding-based scalability enhancement of blockchain-based health application
7	642	Srivatsan G	Privacy-Preserving Integration of Face Recognition System and ESD Tester Using Federated Learning
8	780	Ms. Priyayadav	A Study on Social Media Sentimental Analysis Using Twitter
9	805	Mr. YasirMohd	Machine Learning for Analysis and Prediction of Wind Energy
10	806	Dr.Pundru Chandra Shaker Reddy	Time-Series Cryptocurrency Forecasting using Ensemble Deep Learning
11	813	Dr. VatsalaAnand	Ensemble Model for Seven-class Categorization of Skin Disease using Dermoscopy Images
12	862	Dr.R. Murugadoss	Implementation Of Machine Learning To Detect Android Malware With Significant Permission
13	870	Pundru Chandra Shaker Reddy	Ensemble Deep Learning framework for Classification of Skin Lesions
14	887	Miss Drishti	Image Segmentation and pre-processing for lung cancer detection in humans based on Deep-Learning
15	913	Ms. Malika Malik	Network Intrusion detection system using reinforcement learning techniques.

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue: Einstein Hall

Chair:**Dr.Sheik Mohammed**,AssistantProfessor,University of Technology,Brunei.

Session Title/Area:**Power System**

Faculty In Charge:**Prof.Priya Geevarghese**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Sangeeth Santhosh, Ms.Adithya Anil Kumar

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	188	Dr. M Kavitha	Hybrid Energy Source Based Landsman Converter for AC/DC Microgrid
2	495	Mr. Sathyendra K S	Performance Comparison of Different Controllers for Permanent Magnet Synchronous Motor Drive System
3	526	Mr. Santosh Dinkar Gadekar	An Improved High Gain Converter With Optimized Control For Electric Vehicle Charging
4	581	Mr.R.Saravanan	Hybrid Electric Vehicle Charging Station Under Critical Voltage Conditions
5	655	Dr.C.Bhuvaneswari	A Modified Three-Port DC-DC Converter with Improved Voltage Regulation for Electric Vehicles
6	750	Dr.BaduguJayababu	Optimal scheduling of Electric vehicles in residential distribution systems
7	804	Mr. M. Sivasubramanian	Design of Interleaved Cuk Converter with fuzzy based MPPT in standalone PV application
8	814	Mr. R. Tharwin Kumar	Smart Monitoring Of PWM Controlled Wind Energy Conversion System Based On IoT
9	872	Dr. Swati Sorte	Pulse Generator For EDM Drill Machine
10	915	Mr. SobhanjitPadhi	Utilization of Adaptive Neuro Fuzzy Inference System integrated Unified Power Quality Conditioner for Enhancement of Power Quality in Distribution System
11	979	Mr. Masan Senthilkumar	ANFIS-Based MPPT Control Algorithm For DC-DC Converter With Flower Pollination Optimization Using IoT
12	988	Mrs. B. KavyaSanthoshi	Type-2 Fuzzy Logic Algorithm Based High Gain Improved Luo Converter for EV Applications
13	992	Mr. Mohiyuddin T D	Design and Analyze of Coordinated Control of PV-wind Hybrid Power Generation System
14	1029	Mr. R. Tharwin Kumar	Modified Cuk Converter With Bird Swarm Optimized PI controller For Microgrid System
15	1071	Mrs. B. Parvathi Sangeetha	Portable Solar Power Generation Unit using P&O Controlled Boost Converter
16	1086	Mrs. B. Parvathi Sangeetha	Enhancing Power Factor Correction by ANN-Based Bridgeless Improved Landsman Converter

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue:CSE Lab I

Chair:**Dr. Vasanth Kishore Babu**, Associate Professor, Chitanya Bharathi Institute of Technology

Session Title/Area:**Soft Computing Algorithms**

Faculty In Charge:**Prof. Shyma S**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Mr. Shine Varghese Saju

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	80	Ms.ManchikantiNiharika	Innovation in Public Transportation and Improving Accessibility for the Blind
2	86	Mrs.Rangeetha S Ms. Abinayasri K	Physical Design Implementation And Measurement Of Timing Metrics Of 32-Bit LEON SPARC Processor Used In Space Applications
3	96	Mr. R. Haresh Mr. K. PavanKalyann Mr. S. Kabilan	Design And Implementation Of A Water Component Tester For Determining Water Content In Fuels
4	108	Mr. Prince HiramTelagathoti	Secured Valise Tracking System
5	110	Mr.Hariprasath P Mr.Kirankumar D Mr.Giriharan R	Prevention Of Sand Theft Based On RSSI Based Relative Positioning And Tracking Approach
6	210	Miss. Karthika M R	Automatic Language Identification From Non-Uniform Region Using BI-LSTM And CNN
7	431	Dr.A.Jenefa	Liquid Biopsy for Non-Invasive Monitoring of Tumour Evolution and Response to Therapy
8	432	Dr.A.Jenefa	Multidisciplinary Approach to Physical Rehabilitation on Left and Right Ventricular Function in Heart Failure Patients
9	734	Dr. Tripti Sharma Ms. KomaljeetKour	Design and Implementation of an Adder Design for Minimal Power and Low Delay Conditions
10	737	Dr. Tripti Sharma Mr. ShubhamChoudhary	Comparative Analysis of Operational Transconductance Amplifiers (OTA) for Biomedical Applications
11	868	Dr. Jenila C	Design of Green Indoor Light-Fidelity System using Spatial LED-based Wavelength Division Multiplexing
12	909	Ms.Neha Tiwari	Active Noise Control using CR-CED Network for Real-Time Noisy Speech formulated on Desktop GUI Application
13	947	Ms. BipashaSaha	Siamese Hybrid RNN Model for Speech Enhancement: A Novel Approach for Noise Reduction in Speech Signals

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue: CSE Lab II

Chair: **Dr. Jeyasheela Y**, Associate Professor, NICHE Kanyakumari

Session Title/Area: **Image Processing & Deep Learning**

Faculty In Charge: **Prof. Anu Varghese**, Assistant Professor, Baselios Mathews II College of Engineering Kollam

Rapporter: Ms. Arathy Saroj

<i>Sl. No</i>	<i>Paper Id</i>	<i>Registered Author(s)</i>	<i>Title</i>
1	7	Miss Vadlamudi HimathaSree Miss VurimiVenkata Hymavathi Miss AnalaVenkata Sathwika	Implementation of Text-Based Sentiment Analysis using LSTM Model
2	18	Ms. Berlinda. A. J	Mobile Application Enabling Citizen Report Street Problems
3	26	Ms. Gayathiri Varsha. A. S	Assessment of Student Attentiveness in Classroom Environment using Deep Learning
4	51	Ms. S. Raagavarshini	Handwritten Characters to Electronic Readable Text using Deep Learning
5	114	Mr. Jachin Bency Thomas	SkySentinel: Harnessing AI for Cloudburst Forecasting and Warning
6	128	Mrs. K. Anugirba	Deep Learning-based Diabetic Retinopathy Detection using ResNet34 Model
7	185	Priyanga A	Breaking Down Communication Barriers: Real-Time Sign Language Recognition using CNN & Flask-based API
8	282	Dr. Vatsala Anand	A Proficient Framework for Coronary Artery Disease Prediction using Logistic Regression
9	421	Mr. Sravana Srikanth	Voice Assistant With Emotion Recognition
10	465	Dr. M. Robinson Joel	Artificial intelligence to the assessment, monitoring, and forecasting of drought in developing countries
11	508	Mr. K. Ashok kumar Dr. R. Madhumathi	Soil Nutrient Prediction and Crop Recommendation System
12	692	Miss Akanksha	Deep Learning-Based Automatic Face Expression Recognition Framework
13	705	Mrs. Arshleen Kaur	Utilization of Deep Learning for the Diagnosis of Diseases in Apple Leaves
14	771	Mr. Pratham Thakral	A Survey on Diabetes Detection Based on Machine Learning Classifiers
15	772	Mr. Pratham Thakral	Prediction of Diabetic condition using Different Machine Learning Approaches and Different Datasets

Technical Session - ICCPCT- 2023

Day – 11/08/2023

Time: 10.30 am-1.00 pm

Venue: Civil Seminar Hall

Chair:**Dr.Aswathy S U**,Professor,Marian Engineering College,Trivandrum

Session Title/Area:**Deep Learning & Soft Computing**

Faculty In Charge:**Prof.Cini Babuji**, Assistant Professor,Baselios Mathews II College of Engineering Kollam

Rapporter: Mr.Eric Binu Koshy, Ms.Malavika M.S

<i>Sl. No</i>	<i>Paper Id</i>	<i>Primary Author</i>	<i>Title</i>
1	56	Mrs. M. Gowri	Web user data analysis in behavioural artifacts detection using ensemble attribute ratio rule algorithm with machine learning architectures
2	69	Mr. Gagan P	Cytocol– Online Law System
3	90	Ms. Rati Tikkha	Secured Smart Personalized Health Analytics System Using Social Media Applications
4	137	Mrs. R. Suguna	Deep Learning Based Driver Drowsiness Monitoring and Alert System
5	160	Mrs. Uma Maheswari V	A Strategic Review on Offensive Data Identification over Social Networking Environment using Machine Learning Techniques
6	174	Mr.KarthiVignesh. S	Screening Ransomware through APK Analysis: Implementation of CNN Models
7	175	Mrs. A.T.R.KrishnaPriya	A Comprehensive Investigation on Cyclone Prediction using Deep Learning Technique
8	183	S. Prince Mary	ASSESSING LIFESPAN OF LITHIUM-ION RECHARGEABLE BATTERIES THROUGH HYBRID CNN-LSTM-DNN METHOD
9	197	Nitish Kumar Ojha	User Activity Recognition and Pattern Prediction Using Call Data Mining
10	361	Ocheni Jeremiah Enebi	Electrocardiogram based Authentication Scheme for Smart Home Security
11	575	Mr. Rishabh Dhiman	Machine Learning Model for Face Spoof Detection with Textural Feature Extraction
12	612	Mr. Vikas Mahesh	No BOT Anticipates The Deep Captcha Presenting Disposed Illustrations With Applications To Captcha Generation
13	809	Mr.Kunal Singla	Understanding Cyber-Attacks and their Impact on Global Financial Landscape
14	875	Mr.MaddiSatyaRohit	Experimental comparison of Machine Learning Techniques for Heart Attacks Prediction
15	1128	Mr.Jayakrishnan R	Reinforcement Learning Technique Based Automated Feature Analysis Of Gene Expression Data