

DEPARTMENT OF ECE - PUBLICATION DETAILS

Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Year of Publication
Dr.C.Clement Raj	supercapacitor applications	Inorganic Chemistry Communications	2023
Dr.Thulasi Bai V	Rainfall prediction through TRMM dataset using machine learning model	AIP Conference Proceedings	2022
Dr.Thulasi Bai V	Wireless IoT and Cyber-Physical System for Health Monitoring Using Honey Badger Optimized Least-Squares Support-Vector Ma	Wireless Personal Communications	2022
Dr.Thulasi Bai V	Design and implementation of intelligent patient in-house monitoring system based on efficient XGBoost-CNN approach	Cognitive Neurodynamics	2022
Dr.Thulasi Bai V	Depression Detection on COVID 19 Tweets Using Chimp Optimization Algorithm	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022
Dr.Thulasi Bai V	Realtime Monitoring System for Surface Water Quantity and Analyzing of Water Quality Using Microcontroller.	Journal of Pharmaceutical Negative Result	2022
Dr.Deepa Jose	Economic study and energy analysis of a thermal power plant for the generation of biodiesel	Materials Today: Proceedings	2022
Dr.Deepa Jose	Multiple Object Detection and Segmentation for Remote Sensing Images	2nd International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies	2022
Dr.Deepa Jose	IoT Framework for Measurement and Precision Agriculture: Predicting the Crop Using Machine Learning Algorithms	Technologies	2022
Dr.Deepa Jose	Smart driving license system in Rto using IoT technology	AIP Conference Proceedings	2022
Dr.Deepa Jose	Machine Learning Based and Reconfigurable Architecture with a Countermeasure for Side Channel Attacks	Lecture Notes in Networks and Systems	2022
Dr.Deepa Jose	Effective Plant Leaf Disease Detection for Farmers	Emergent Converging Technologies and Biomedical Systems	2022
Dr.Deepa Jose	Effective Heart Disease Classification for Telehealth Systems	Emergent Converging Technologies and Biomedical Systems	2022
Dr.Deepa Jose	Design and implementation of hybrid integration of cognitive learning and chaotic countermeasures for side channel attacks	Journal of Ambient Intelligence and Humanized Computing	2022
Dr.Deepa Jose	FPGA Implementation of Elliptic Curve Point Multiplication Over Galois Field	Mobile Radio Communications and 5G Networks	2022
Dr.Deepa Jose	Machine Learning-Based Secure Data Acquisition for Fake Accounts Detection in Future Mobile Communication Networks	Wireless Communications and Mobile Computingthis	2022
Dr.Deepa Jose	Sizing of Wireless Networks with Sensors for Smart Houses with Coverage, Capacity, and Interference Restrictions	Lecture Notes in Networks and Systems	2022
Dr.Jose Anand	Solar Power Forecasting Using Long Short-Term Memory Algorithm in Tamil Nadu State	Emerging Technologies for Sustainable and Smart Energy	2022
Dr.Jose Anand	Big Data for Personalized Healthcare	Handbook of Intelligent Healthcare Analytics: Knowledge Engineering with Big Data Analytics	2022
Dr.Jose Anand	Smart Stick using Ultrasonic Sensors for Visually Impaired	Advances in Parallel Computing Algorithms, Tools and Paradigms	2022
Dr.Jose Anand	Trident Fuzzy Aggregation Operators on Right and Left Apex-Base Angles in Parallel Computing	Advances in Parallel Computing Algorithms, Tools and Paradigms	2022
Dr.Jose Anand	MIMO-IDMA System Performance for SUI and LTE Frequency Selective Channels	Advances in Parallel Computing Algorithms, Tools and Paradigms	2022
Dr.Jose Anand	An Effective and Secure Mechanism for Phishing Attacks using a Machine Learning Approach	Processes	2022
Dr.Jose Anand	IoT-Based Water Quality Monitoring System Using Cloud for Agriculture Use	Cloud and Fog Computing Platforms for Internet of Things	2022
Dr.Jose Anand	IoT-Based Water Quality Monitoring System Using Cloud for Agriculture Use	Cloud and Fog Computing Platforms for Internet of Things	2022
Dr.Jose Anand	Sensor based posture detection system	Materials Today: Proceedings	2022
Dr.Jose Anand	Cloud-Based Glaucoma Diagnosis in Medical Imaging Using Machine Learning	Artificial Intelligence for Innovative Healthcare Informatics	2022
Dr.Jose Anand	6G-Based Mobile IPTV Using Adaptive Hybrid Transmission	Handbook of Research on Design, Deployment, Automation, and Testing	2022
Dr.Jose Anand	Processing techniques for sensor materials; A review	Materials Today: Proceedings	2022
Dr.Jose Anand	Plane Detection and Product Trail using Augmented Reality	First International Conference on Computational Science & Technology	2022
Dr.Jose Anand	Automatic Forensic Analysis of Criminal Navigation System using Machine Learning	First International Conference on Computational Science & Technology	2022
Dr.Jose Anand	Voice Control and Eyeball Movement Operated Wheelchair	International Conference on Edge Computing and Applications	2022
Dr.Jose Anand	Programmable Stickers to Monitor Perishable Goods using Blockchain	Second International Conference on Computer Science, Engineering and Applications	2022
Dr.Jose Anand	Appliances Automation in Smart Home based on Artificial Intelligence	First International Conference on Advances in Mechanical & Digital Technologies	2022
Dr.Jose Anand	e-Health Assisted Smart Supermarket	Second International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems	2022
Dr.Jose Anand	IoT Enabled Inexhaustible E-vehicle using Transparent Solar Panel	International Conference on Communication Computing & Internet of Things	2022
Dr.Nirmala Devi K	Sensor based posture detection system	Materials Today: Proceedings	2022
Dr.Nirmala Devi K	Exam Assistant Robot	AIP Conference Proceedings	2022
Dr.NirmalaDevi K	PIBOT - A Programmable Assistant	AIP Conference Proceedings	2022
Ms.B.Thyla	Smart Stretcher for Measuring Vital Signs of Unconscious Persons	ECS Transactions	2022
Ms.B.Thyla	Patient health monitoring system using smart IoT devices for medical emergency services	IEEE Xplore	2022
Mr. Sadasivam S	Comparison of FR4 and Roger substrates in multiband two-slot rectangular patch antenna for 5G applications	Materials Today: Proceedings	2022
Ms. Jaraline Kirubavathy	Realtime Monitoring System for Surface Water Quantity and Analyzing of Water Quality Using Microcontroller.	Journal of Pharmaceutical Negative Result	2022
Ms.JaralineKirubavathy	Rainfall Prediction Through TRMM Dataset Using Machine Learning Model	AIP Conference Proceedings	2022
Ms Aida Jones	A Systematic Review on Screening of Diabetic Retinopathy and Maculopathy Using Artificial Intelligence	Advances in Signal Processing and Communication Engineering	2022
Ms.Aida Jones	Cataract detection using deep convolutional neural networks	Advances Intelligent systems and computing	2022
Dr.Thulasi Bai V	Enhancing Electrocoorticography Brain Computer Interfaces with Genetics	Annals of R.S.C.B	2021
Dr. Kavitha Balamurugan	Fabrication of wearable piezoresistive strain sensors using graphene and its nanocomposites	Spast Conference Series	2021
Dr.Deepa Jose	Design and implementation of hybrid integration of cognitive learning and chaotic countermeasures for side channel attacks	Journal of Ambient Intelligence and Humanized Computingthis link is disabled	2021
Dr.Deepa Jose	Effect of Sanitizer on obliteration of SARS-CoV2/COVID 19: A mini review	Materials Today: Proceedings	2021
Dr.Deepa Jose	Dynamic Key Generation Mechanism to Strengthen the Data Security	International Carnahan Conference on Security Technology	2021
Dr.Deepa Jose	Battery energy storage systems (bess) state of the art	IOP Conference Series: Materials Science and Engineering	2021
Dr.Deepa Jose	INTERNET OF THINGS AND IT'S APPLICATION IN INDUSTRY 4.0 FOR SMART WASTE MANAGEMENT	Journal of Environmental Protection and Ecology	2021
Dr.Jose Anand	Smartphone Controlled Fingerprint Door Lock System (SCFDLS)	Advances in Parallel Computing Technologies and Applications	2021
Dr.Jose Anand	IoT Based Smart Electrolytic Bottle Monitoring	Advances in Parallel Computing Technologies and Applications	2021

Dr. Jose Anand	Smart Wearable System to Assist Asthma Patients	Advances in Parallel Computing Technologies and Applications	2021
Dr. Jose Anand	Optimal Routing Path using Trident Form in Wearable Biomedical Wireless Sensor Networks	Turkish Online Journal of Qualitative Inquiry	2021
Dr. Jose Anand	Analysis of Dynamic Interference Constraints in Cognitive Radio Cloud Networks	International Journal of Advanced Research in Science, Communication and Technology	2021
Dr. Jose Anand	SEC-UR-BIKE	International Journal of Mechanical Engineering	2021
Dr. Jose Anand	Lung Cancer Detection using VGG NET 16 Architecture	Journal of Physics Conference Series	2021
Dr. Jose Anand	Solar Grass Cutter with Water Spraying Vehicle	International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation	2021
Dr. Jose Anand	IEC 61850 Station Bus based Digital Substation	International Conference on Recent Trends in Parallel and Distributed Processing Techniques	2021
Dr. Jose Anand	Design and Fabrication of Solar Grass Cutter with Water Spraying Vehicle	International Conference on Innovations in Electronics and Communication Systems	2021
Dr. Jose Anand	To Investigate the Performance of MIMO-IDMA System of Patient Monitoring for Frequency Selective Channel SUI & LTE	2nd International e-Conference on Information, Communication and Networking	2021
Dr. Jose Anand	FPGA-LUT based Area Efficient FIR Filter Design using Distributed Arithmetic Unit	International Conference on Technological Advancement in Computer and Communication	2021
Dr. V. Balaji	New approach to optimize groundwater usage using multi-criteria decision making techniques	Journal of Physics: Conference Series	2021
Dr. V. Balaji	An Automated Framework to Segment and Classify Gliomas Using Efficient Shuffled Complex Evolution Convolutional Neural Network	Journal of Medical Imaging and Health Informatics	2021
Dr. C. Clement Raj	Engineering electrode/electrolyte interfacial properties of nanotube arrays for high capacitance supercapacitors	Journal of Material Science: Materials in Electronics	2021
Dr. C. Clement Raj	Design of Solar Charging Case for Mobile Phones	IOP Journal of Physics: Conference Series	2021
Mr. T. Thomas Leonid	Statistical-model based voice activity identification for human-elephant conflict mitigation	Journal of Ambient Intelligence and Humanized Computing	2021
Mr. Sadasivam S	Design of Rectangular shape Meta-Material Antenna for C band applications	Emerging Trends in Industry 4.0	2021
Ms. Jaraline Kirubavathy	Voice controlled shopping trolley navigation with RFID scanner and live billing using IoT	Journal of Physics: Conference Series	2021
Ms. Aida Jones	Lung cancer detection using VGG NET 16 Architecture	Journal of Physics: Conference series	2021
Ms. Saranya	Footstep Power Generating System	Advances in Parallel Computing Technologies and Applications	2021
Dr. Thulasi Bai V	Sentiment analysis on tweets for a disease and treatment combination	Springer-Advances in Intelligent Systems and Computing	2020
Dr. Thulasi Bai V	Semantic Segmentation of Conjunctiva Region for Non-Invasive Anemia Detection Applications	Electronics	2020
Dr. Thulasi Bai V	Investigation of brain computer interface for rich multimedia environment	International Journal of Communication systems	2020
Dr. Thulasi Bai V	Power prediction and suboptimal Performance identification of solar panels using Machine learning	Journal of Green Engineering	2020
Dr. Thulasi Bai V	Interpretation of Soil Moisture Satellite Data	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS	2020
Dr. Thulasi Bai V	Ridge Regression Algorithm Based Noninvasive Anaemia Screening using Conjunctiva Images	Journal of Ambient Intelligence and Humanized Computing	2020
Dr. Kavitha Balamurugan	IoT based EVM	International Research Journal of Engineering and Technology (IRJET)	2020
Dr. Kavitha Balamurugan	MONITORING INDOOR AIR QUALITY IN INDUSTRIES	International Research Journal of Engineering and Technology (IRJET)	2020
Dr. Deepa Jose	Design and implementation of hybrid integration of cognitive learning and chaotic countermeasures for side channel attacks	Journal of Ambient Intelligence and Humanized Computing	2020
Dr. Deepa Jose	Autonomous Unmanned Ground Vehicle for Enhancement of Defence Strategies	Inventive Communication and Computational Technologies	2020
Dr. Deepa Jose	Highly protective framework for medical identity theft by combining data hiding with cryptography	International Conference on Image Processing and Capsule	2020
Dr. Deepa Jose	Cipher Data Collection in FPGA for IOT Based Healthcare	International Journal of Advanced Science and Technology	2020
Dr. Deepa Jose	Design of Mux-Dual Latch Circuit for Inter-Chip Communication	International Journal of Advanced Science and Technology	2020
Dr. Deepa Jose	Voice Control Robotic Arm Using Machine Learning	International Journal of Advanced Science and Technology	2020
Dr. Deepa Jose	Autonomous Unmanned Ground Vehicle for Enhancement of Defence Strategies	Test Engineering and Management	2020
Dr. V. Balaji	A Novel Approach to Detect the Level of Congestion in a Wireless Network	Journal of Computational and Theoretical Nanoscience	2020
Dr. V. Balaji	Computing Starts with Arrangement: Developing a Classification Tool Integrating The Apriori Algorithm In The Association Rule Mining	International Journal of Advanced Science and Technology	2020
Dr. V. Balaji	Software Engineering Techniques for Block chain Technology	Journal of Computational and Theoretical Nanoscience	2020
Dr. Clement Raj	Tuning the carrier density of TiO2 nanotube arrays by controlling the oxygen vacancies for improved areal capacitance in supercapacitors	Materials Chemistry and Physics	2020
Mr. T. Thomas Leonid	Cluster based Scheduling Approach for SDN with Edge Computing	International Journal of Advanced Science and Technology	2020
Mr. Sadasivam S	Design of spanner shape micro strip patch antenna for Wi-Max applications	AIP Conference Proceedings	2020
Ms. B. Thyla	Home automation for physically challenged elder people	International Journal of Scientific Research and Engineering Trends	2020
Ms. Jaraline Kirubavathy	Interpretation of Soil Moisture Satellite Data	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS	2020
Dr. Kavitha Balamurugan	Reconfigurable routing protocol with optical sphere in FSO MANET	Concurrency and Computation: Practice and Experience	2019
Dr. Kavitha Balamurugan	Bidirectional Video Transmission Using Li-Fi	IJIRT	2019
Dr. Thulasi Bai V	Evolution of mobile generation technology	International Journal of Recent Technology and Engineering	2019
Dr. Thulasi Bai V	Statistical Inference of Tele-Ophthalmology Camp Data Using GIS	International Journal of Research	2019
Dr. Thulasi Bai V	Smartphone Based Non-Invasive Glucose Monitoring	International Journal of Engineering Trends and Technology	2019
Dr. Thulasi Bai V	Crowdsourcing Based Description Using GIS	International Journal of Research and Analytical Reviews	2019
Dr. Thulasi Bai V	Module for Dyspraxia	International Journal of Advance Research	2019
Dr. Thulasi Bai V	Characteristics of Alpha/Numeric Shape Microstrip Patch Antenna for Multiband Applications	Advances in Intelligent Systems and Computing	2019
Dr. Thulasi Bai V	Design of Eight Element Phased Array Microstrip Patch Antennas for 5G Application	International Journal of Recent Technology and Engineering	2019
Dr. Thulasi Bai V	Bayesian approach for brain-computer interface using feature fusion techniques	International Journal of Advanced Intelligence Paradigms	2019
Dr. Thulasi Bai V	Multi Band Microstrip Patch antenna for C band, X band and 5G Cellular Systems	International Journal of Innovative Technology and Exploring Engineering	2019
Dr. Deepa Jose	FPGA implementation of haze removal technique based on dark channel prior	International Conference On Computational Vision and Bio Inspired Computing	2019
Dr. Deepa Jose	Content addressable memory as a teaching aid for low-power technique study	Int. J. of Electrical Engg. Edu.	2019
Dr. Deepa Jose	Countermeasure to protect sensitive information stealthily in remote interchanges using steganography in educational environment	The International Journal of Electrical Engineering & Education	2019
Dr. Deepa Jose	VLSI implementation of image encryption using DNA cryptography	Intelligent Communication Technologies and Virtual Mobile Networks	2019
Dr. Deepa Jose	Adopting a low hardware redesigned architectural design for educational environment by using DFE-based 5G communication	The International Journal of Electrical Engineering & Education	2019
Dr. Deepa Jose	Design of double edge-triggered flip-flop for low-power educational environment	The International Journal of Electrical Engineering & Education	2019

Dr. Deepa Jose	Automated melanoma recognition in dermoscopy images via very deep residual networks	IOP Conference Series: Materials Science and Engineering	2019
Dr.V. Balaji	FIRE FIGHTING ROBOT WITH ARTIFICIAL INELLIGENCE	JASC: Journal of Applied Science and Computations	2019
Ms. B. Thyla	Design of Antenna for Real Time Breath Detection	JASC: Journal of Applied Science and Computations	2019
Ms. B. Thyla	Remote Fall Tracking using Multiple Extraction Methods and Supervised Learning	International Journal of Innovative Technology and Exploring Engineering	2019
Ms. K. Jaralaine Kirubavath	Statistical Inference of Tele-Ophthalmology Camp Data Using GIS	International Journal of Research	2019
Ms. K. Jaralaine Kirubavath	Crowdsourcing Based Description Using GIS	International Journal of Research and Analytical Reviews	2019
Dr.Thulasi Bai V	Developmental screening tool: Accuracy and feasibility of non-invasive anaemia estimation	Technology and Health Care	2018
Dr.Thulasi Bai V	An Enhanced Channel Estimation for CDD OFDM Systems over Time-Varying Channels	Cluster Computing - The Journal of Networks, Software Tools and Applications	2018
Dr.Thulasi Bai V	Design of Multiband Array Antenna in MM- Wave for 5G Applications	Journal of Electrical Engineering	2018
Dr.Thulasi Bai V	Characteristics of Beam Steering Phased Array Antenna for 5G Applications	TAGA Journal	2018
Dr.Thulasi Bai V	Spatial Data Infrastructure (SDI) for Urban Hotspot Accident Analysis	International Journal of Pure and Applied Mathematics	2018
Dr.Thulasi Bai V	Design Of Conformal Wideband Antenna For Adenocarcinoma In Wireless Capsule Endoscopy	International Research Journal of Engineering and Technology	2018
Dr. Kavitha Balamurugan	Performance Evaluation of Hierarchical Routing Protocol with Multiple Transceivers and Cluster Based Routing Protocol in FS	TAGA Journal	2018
Dr.Deepa Jose	Detection of Pulmonary Nodules Using Thresholding and Fractal Analysis	Computational Vision and Bio Inspired Computing	2018
Dr. Deepa Jose	CLOUD BASED MEDICAL ASSIST FOR ELDERLY AND BLIND	International Journal of Pure and Applied Mathematics	2018
Dr. Deepa Jose	IoT based pollution monitoring system using raspberry-Pi	International Journal of Pure and Applied Mathematics	2018
Dr. Jose Anand	A Novel Cardiac Arrest Alerting System using IoT	International Journal of Science Technology & Engineering	2018
Dr.V.Balaji	AVOIDANCE OF FLAT TYRE AND PATCH HOLES FOR ALL MOTOR VEHICLE BASED ON IOT	International Journal of Advance Research in Science and Engineering	2018
Ms.B.Thyla	Intelligent Fall Detection Using Statistical Features and Machine Learning	International Journal of Trend in Scientific Research and Development	2018
Ms. K. Jaralaine Kirubavath	Spatial Data Infrastructure (SDI) for Urban Hotspot Accident Analysis	International Journal of Pure and Applied Mathematics	2018
Dr. Kavitha Balamurugan	Enhanced Hierarchical Cluster Based Routing Protocol with Optical Sphere in FSO MANET	Lecture Notes in Electrical Engineering book series (Springer LNEE, volume 468)	2017
Dr. Kavitha Balamurugan	Cooperative Relay Based Communication Over Multi User Mobile Networks	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2017
Dr. Deepa Jose	Automatic Detection of Lung Cancer Nodules in Computerized Tomography Images	National Academy Science Letters	2017
Dr. Deepa Jose	A Novel Partial Dynamic Reconfiguration Based Fault Tolerant System on Chip	International Conference on Technology and Business Management	2017
Dr.V.Balaji	Analysis of PDORP Routing Protocol for WSN	International Journals of Advanced Research in Computer Science and Software Engineering	2017
Dr. Jose Anand	Q-learning-based optimized routing in biomedical wireless sensor networks	IETE Journal of Research	2017