

DEPARTMENT OF ECE - PUBLICATION DETAILS

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Year of Publication
1	Dr.Thulasi Bai V	Rainfall prediction through TRMM dataset using machine learning model	AIP Conference Proceedings	2022
2	Dr.Thulasi Bai V	Wireless IoT and Cyber-Physical System for Health Monitoring Using Honey Badger Optimized Least-Squares Support-Vector	Wireless Personal Communications	2022
3	Dr.Thulasi Bai V	Design and implementation of intelligent patient in-house monitoring system based on efficient XGBoost-CNN approach	Cognitive Neurodynamics	2022
4	Dr.Thulasi Bai V	Depression Detection on COVID 19 Tweets Using Chimp Optimization Algorithm	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022
5	Dr.Thulasi Bai V	Realtime Monitoring System for Surface Water Quantity and Analyzing of Water Quality Using Microcontroller.	Journal of Pharmaceutical Negative Result	2022
6	Dr.Deepa Jose	Economic study and energy analysis of a thermal power plant for the generation of biodiesel	Materials Today: Proceedings	2022
7	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
8	Dr.Deepa Jose	IoT Framework for Measurement and Precision Agriculture: Predicting the Crop Using Machine Learning Algorithms	Technologies	2022
9	Dr.Deepa Jose	Smart driving license system in Rto using IoT technology	AIP Conference Proceedings	2022
10	Dr.Deepa Jose	Machine Learning Based and Reconfigurable Architecture with a Countermeasure for Side Channel Attacks	Lecture Notes in Networks and Systems	2022
11	Dr.Deepa Jose	Effective Plant Leaf Disease Detection for Farmers	Emergent Converging Technologies and Biomedical Systems	2022
12	Dr.Deepa Jose	Effective Heart Disease Classification for Telehealth Systems	Emergent Converging Technologies and Biomedical Systems	2022
13	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
14	Dr.Deepa Jose	FPGA Implementation of Elliptic Curve Point Multiplication Over Galois Field	Mobile Radio Communications and 5G Networks	2022

15	Dr.Deepa Jose	Machine Learning-Based Secure Data Acquisition for Fake Accounts Detection in Future Mobile Communication Networks	Wireless Communications and Mobile Computingthis	2022
16	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
17	Dr.Jose Anand	IoT-Based Water Quality Monitoring System Using Cloud for Agriculture Use	Cloud and Fog Computing Platforms for Internet of Things	2022
18	Dr.Jose Anand	SEC-UR-BIKE	International Journal of Mechanical Engineering	2022
19	Dr.Jose Anand	Cloud-Based Glaucoma Diagnosis in Medical Imaging Using Machine Learning	Artificial Intelligence for Innovative Healthcare Informatics	2022
20	Dr.Jose Anand	6G-Based Mobile IPTV Using Adaptive Hybrid Transmission	Handbook of Research on Design, Deployment, Automation, and Testing	2022
21	Dr.Jose Anand	Processing techniques for sensor materials; A review	Materials Today: Proceedings	2022
22	Dr.Nirmala Devi K	Sensor based posture detection system	Materials Today: Proceedings	2022
23	Dr.Nirmala Devi K	Exam Assistant Robot	AIP Conference Proceedings	2022
24	Dr.NirmalaDevi K	PIBOT - A Programmable Assistant	AIP Conference Proceedings	2022
25	Ms.B.Thyla	Smart Stretcher for Measuring Vital Signs of Unconscious Persons	ECS Transactions	2022
26	Mr. Sadasivam S	Comparison of FR4 and Roger substrates in multiband two-slot rectangular patch antenna for 5G applications	Materials Today: Proceedings	2022
27	Ms.JaralineKirubavathy	Rainfall Prediction Through TRMM Dataset Using Machine Learning Model	AIP Conference Proceedings	2022
28	Ms.Aida Jones	Cataract detection using deep convolutional neural networks	Advances Intelligent systems and computing	2022
29	Dr.Thulasi Bai V	Enhancing Electrocorticography Brain Computer Interfaces with Genetics	Annals of R.S.C.B	2021
30	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
31	Dr.Deepa Jose	Effect of Sanitizer on obliteration of SARS-CoV2/COVID 19: A mini review	Materials Today: Proceedings	2021
32	Dr.Deepa Jose	Dynamic Key Generation Mechanism to Strengthen the Data Security	International Carnahan Conference on Security Technology	2021
33	Dr.Deepa Jose	Battery energy storage systems (bess) state of the art	IOP Conference Series: Materials Science and	2021
34	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

35	Dr.Jose Anand	Smartphone Controlled Fingerprint Door Look System (SCFDLS)	Advances in Parallel Computing Technologies and Applications	2021
36	Dr.Jose Anand	IoT Based Smart Electrolytic Bottle Monitoring	Advances in Parallel Computing Technologies and Applications	2021
37	Dr.Jose Anand	Smart Wearable System to Assist Asthima Patients	Advances in Parallel Computing Technologies and Applications	2021
38	Dr.Jose Anand	Optimal Routing Path using Trident Form in Wearable Biomedical Wireless Sensor Networks	Turkish Online Journal of Qualitative Inquiry	2021
39	Dr.Jose Anand	Analysis of Dynamic Interference Constraints in Cognitive Radio Cloud Networks	International Journal of Advanced Research in Science, Communication and Technology	2021
40	Dr.V.Balaji	New approach to optimize groundwater usage using multi-criteria decision making techniques	Journal of Physics: Conference Series	2021
41	Dr.V.Balaji	An Automated Framework to Segment and Classify Gliomas Using Efficient Shuffled Complex Evolution Convolutional Neural	Journal of Medical Imaging and Health Informatics	2021
42	Dr.C.ClementRaj	Engineering electrode/electrolyte interfacial properties of nanotube arrays for high capacitance supercapacitors	Journal of Material Science: Materials in Electronics	2021
43	Dr.C.ClementRaj	Design of Solar Charging Case for Mobile Phones	IOP Journal of Physics: Conference Series	2021
44	Mr.T.Thomas Leonid	Statistical-model based voice activity identification for human-elephant conflict mitigation	Journal of Ambient Intelligence and Humanized Computing	2021
45	Mr.Sadasivam S	Design of Rectangular shape Meta-Material Antenna for C band applications	Emerging Trends in Industry 4.0	2021
46	Ms.JaralineKirubavathy	Voice controlled shopping trolley navigation with RFID scanner and live billing using IoT	Journal of Physics: Conference Series	2021
47	Ms.JaralineKirubavathy	Voice controlled shopping trolley navigation with RFID scanner and live billing using IoT	Journal of Physics: Conference Series	2021
48	Ms. Aida Jones	Lung cancer detection using VGG NET 16 Architecture	Journal of Physics: Conference series	2021
49	Ms. Saranya	Footstep Power Generating System	Advances in Parallel Computing Technologies and Applications	2021
50	Dr.Thulasi Bai V	Sentiment analysis on tweets for a disease and treatment combination	Springer-Advances in Intelligent Systems and Computing	2020
51	Dr.Thulasi Bai V	Semantic Segmentation of Conjunctiva Region for Non-Invasive Anemia Detection Applications	Electronics	2020

52	Dr.Thulasi Bai V	Investigation of brain computer interface for rich multimedia environment	International Journal of Communication systems	2020
53	Dr.Thulasi Bai V	Power prediction and suboptimal Performance identification of solar panels using Machine learning	Journal of Green Engineering	2020
54	Dr.Thulasi Bai V	Ridge Regression Algorithm Based Noninvasive Anaemia Screening using Conjunctiva Images	Journal of Ambient Intelligence and Humanized Computing	2020
55	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
56	Dr.Deepa Jose	Autonomous Unmanned Ground Vehicle for Enhancement of Defence Strategies	Inventive Communication and Computational Technologies	2020
57	Dr.Deepa Jose	Highly protective framework for medical identity theft by combining data hiding with cryptography	International Conference on Image Processing and Capsule	2020
58	Dr.Deepa Jose	Cipher Data Collection in FPGA for IOT Based Healthcare	International Journal of Advanced Science and Technology	2020
59	Dr.Deepa Jose	Design of Mux-Dual Latch Circuit for Inter-Chip Communication	International Journal of Advanced Science and Technology	2020
60	Dr.Deepa Jose	Voice Control Robotic Arm Using Machine Learning	International Journal of Advanced Science and Technology	2020
61	Dr.Deepa Jose	Secure Transmission of Medical Information by Adopting Blockchain Data Hiding Technique in Channel Coding	Test Engineering and Management	2020
62	Dr.V. Balaji	A Novel Approach to Detect the Level of Congestion in a Wireless Network	Journal of Computational and Theoretical Nanoscience	2020
63	Dr.V. Balaji	Computing Starts with Arrangement: Developing a Classification Tool Integrating The Apriori Algorithm In The Association Rule of Data Mining	International Journal of Advanced Science and Technology	2020
64	Dr.V. Balaji	Software Engineering Techniques for Block chain Technology	Journal of Computational and Theoretical	2020
65	Dr. Clement Raj	Tuning the carrier density of TiO2 nanotube arrays by controlling the oxygen vacancies for improved areal capacitance in supercapacitor applications	Materials Chemistry and Physics	2020
66	Mr.T.Thomas Leonid	Cluster based Scheduling Approach for SDN with Edge Computing	International Journal of Advanced Science and Technology	2020

67	Mr.Sadasivam S	Design of spanner shape micro strip patch antenna for Wi-Max applications	AIP Conference Proceedings	2020
68	Ms. B.Thyla	Home automation for physically challenged elder people	International Journal of Scientific Research and Engineering Trends	2020
69	Dr.Kavitha Balamurugan	Reconfigurable routing protocol with optical sphere in FSO MANET	Concurrency and Computation: Practice and Experience	2019
70	Dr.Thulasi Bai V	Evolution of mobile generation technology	International Journal of Recent Technology and Engineering	2019
71	Dr.Thulasi Bai V	Statistical Inference of Tele-Ophthalmology Camp Data Using GIS	International Journal of Research	2019
72	Dr.Thulasi Bai V	Smartphone Based Non-Invasive Glucose Monitoring	International Journal of Engineering Trends and Technology	2019
73	Dr.Thulasi Bai V	Crowdsourcing Based Description Using GIS	International Journal of Research and Analytical	2019
74	Dr.Thulasi Bai V	Module for Dyspraxia	International Journal of Advance Research	2019
75	Dr.Thulasi Bai V	Characteristics of Alpha/Numeric Shape Microstrip Patch Antenna for Multiband Applications	Advances in Intelligent Systems and Computing	2019
76	Dr.Thulasi Bai V	Design of Eight Element Phased Array Microstrip Patch Antennas for 5G Application	International Journal of Recent Technology and Engineering	2019
77	Dr.Thulasi Bai V	Bayesian approach for brain-computer interface using feature fusion techniques	International Journal of Advanced Intelligence Paradigms	2019
78	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
79	Dr. Deepa Jose	FPGA implementation of haze removal technique based on dark channel prior	International Conference On Computational Vision and Bio Inspired Computing	2019
80	Dr. Deepa Jose	Content addressable memory as a teaching aid for low-power technique study	Int. J. of Electrical Engg. Edu.	2019
81	Dr. Deepa Jose	Countermeasure to protect sensitive information stealthily in remote interchanges using steganography in educational environments	The International Journal of Electrical Engineering & Education	2019
82	Dr. Deepa Jose	VLSI implementation of image encryption using DNA cryptography	Intelligent Communication Technologies and Virtual Mobile Networks	2019
83	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

84	Dr. Deepa Jose	Design of double edge-triggered flip-flop for low-power educational environment	The International Journal of Electrical Engineering & Education	2019
85	Dr. Deepa Jose	Automated melanoma recognition in dermoscopy images via very deep residual networks	IOP Conference Series: Materials Science and Engineering	2019
86	Dr.V. Balaji	FIRE FIGHTING ROBOT WITH ARTIFICIAL INTELLIGENCE	JASC: Journal of Applied Science and	2019
87	Ms. B. Thyla	Design of Antenna for Real Time Breath Detection	JASC: Journal of Applied Science and	2019
88	Ms. B. Thyla	Remote Fall Tracking using Multiple Extraction Methods and Supervised Learning	International Journal of Innovative Technology and Exploring Engineering	2019
89	Dr.Thulasi Bai V	Developmental screening tool: Accuracy and feasibility of non-invasive anaemia estimation	Technology and Health Care	2018
90	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
91	Dr.Thulasi Bai V	Design of Multiband Array Antenna in MM- Wave for 5G	Journal of Electrical Engineering	2018
92	Dr.Thulasi Bai V	'Characteristics of Beam Steering Phased Array Antenna for 5G Applications	TAGA Journal	2018
93	Dr.Thulasi Bai V	Spatial Data Infrastructure (SDI) for Urban Hotspot Accident	International Journal of Pure and Applied	2018
94	Dr.Thulasi Bai V	Design Of Conformal Wideband Antenna For Adenocarcinoma In Wireless Capsule Endoscopy	International Research Journal of Engineering and Technology	2018
95	Dr.Deepa Jose	Detection of Pulmonary Nodules Using Thresholding and Fractal Analysis	Computational Vision and Bio Inspired Computing	2018
96	Dr.Deepa Jose	CLOUD BASED MEDICAL ASSIST FOR ELDERLY AND BLIND	International Journal of Pure and Applied	2018
97	Dr.Deepa Jose	IoT based pollution monitoring system using raspberry-PI	International Journal of Pure and Applied	2018
98	Dr. Jose Anand	A Novel Cardiac Arrest Alerting System using IoT	International Journal of Science Technology & Engineering	2018
99	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
100	Ms.B.Thyla	Intelligent Fall Detection Using Statistical Features and Machine Learning	International Journal of Trend in Scientific Research and Development	2018
101	Dr.Deepa Jose	Automatic Detection of Lung Cancer Nodules in Computerized Tomography Images	National Academy Science Letters	2017
102	Dr.Deepa Jose	A Novel Partial Dynamic Reconfiguration Based Fault Tolerant System on Chip	International Conference on Technology and Business Management	2017

103	Dr.V.Balaji	Analysis of PDORP Routing Protocol for WSN	International Journals of Advanced Research in Computer Science and Software Engineering	2017
104	Dr. Jose Anand	Q-learning-based optimized routing in biomedical wireless sensor networks	IETE Journal of Research	2017
105	Ms.B.Thyla	BhrtArtana-A pipe cleaning and inspection robot	IEEE Explore	2017