

The consolidated list of EEE Department faculty publications (The Calendar Year 2023)

S.NO	Faculty Name	No of SCI Publication	No of Scopus Publication
1	Dr.R.Senthil Kumar	3	1
2	Dr. Monica P Suresh		2
3	Dr. M. Ulagammai	1	5
4	Dr.K.Kanchana	3	1
5	Dr.S.Rajalingam		2
6	Dr.R.Vinifa	1	1
7	Dr.J.Anish Kumar	1	
8	Dr. S. Kavitha	1	5
9	Mr. S. Joyallsac	2	3
10	Mr.F.Max Savio		
11	Dr.R.Hemalatha		3
12	Dr.R.Karpaga Priya		6
13	Mr.T.D.Suresh		3
14	Mr.C.John De Britto	2	

Details of publications in SCI and SCOPUS Journals - (The Calendar Year 2023)



S.No:	Dept.	Author Name	Title	Journal	ISSN
1	EEE	Mr C.John De Britto	Image Enhancement and Implementation of CLAHE Algorithm and Bilinear Interpolation	Cybernetics and Systems	0196-9722
2	EEE	Dr. R. Karpaga Priya	A Novel Spider Swarm Optimized Energy and Security Aware Clustering Protocol for Smart Grid Wireless Sensor Network	SSRG International Journal of Electrical and Electronics Engineering	2348-8379
3	EEE	Mr C.John De Britto	Artificial Intelligence for the identification of healthy fruits and vegetables using MMDI-ABO	Journal of Experimental and Theoretical Artificial Intelligence	0952-813X
4	EEE	Dr. R.Senthil Kumar	Effective design and Implementation of hybrid renewable systems using convex programming	International Journal of green energy	
5	EEE	Mr C.John De Britto	Effective design and Implementation of hybrid renewable systems using convex programming	International Journal of green energy	
6	EEE	Mr. J. Anish Kumar	Prediction of rotor slot size variation through vibration signal of three phase induction motor using machine learning	Journal of Vibration Engineering & Technologies	2523-3920
7	EEE	Dr K.Kanchana	Design and Modelling of modified interleaved phase shifted semi-bridgeless boost converter for EV battery charging	Sustainability	2071-1050
8	EEE	Ms.S Kavitha	Induction motor torque prediction using dual function radar received polarized signals and machine learning algorithms	Journal of Electrical Engineering and Technology	1975-0102
9	EEE	Dr.Monica P Suresh	An arduino Uno controlled fire fighting robot for fires in enclosed spaces	Journal of IEEE Digital Xplore	978-1-6654-6941-8
10	EEE	Dr.Karpaga Priya R	Performance and Reliability Analysis of Double Boost Converter Fed Renewable PV System	Journal of Engineering (United Kingdom)	2314-4904



11	EEE	Dr. R. Senthil Kumar	Review On Fuzzy Logic Based Power Quality Improvement By Using Dstatcom Based Cascaded Multilevel Inverter	Proceedings on Engineering Sciences	2620-2832
12	EEE	Dr. R. Senthil Kumar	A Review on Implementation of Effective Control mechanism for Micro-Grid fed by Renewable Energy Generating Sources	Gradia Review Journal	0319-8057
13	EEE	Mr.Joyal Isac S	Demarcation of non-carcinogenic risk zones based on the intake of contaminated groundwater in an industrial area of southern india using geospatial techniques	Desalination and Water Treatment	1944-3994
14	EEE	Dr.R Hemalatha	Modelling and Analysis of hybrid fuzzy tuned PI controller based PMBLDC motor for electric vehicle applications	SSRG- International Journal of Electrical and Electronics Engineering	2348-8379
15	EEE	Dr M Ulagammai	Short term load forecasting using ANN & WNN	IEEE Digital Explore	
16	EEE	Dr.Hemalatha R	Modelling and Analysis of Hybrid fuzzy tuned PI controller based PMBLDC motor for electric vehicle applications	SSRG International Journal of Electrical and Electronics Engineering	
17	EEE	Dr R Senthilkumar	A shunt hybrid active power filter configuration reseach and implementation for enhancement of power quality	IEEE Digital Explore	
18	EEE	Dr.Monica P Suresh	Design of a robot for detection of human beings amidst fire and wreckage	Springer lecture notes in networks and systems	
19	EEE	Dr Karpaga Priya	IoT based smart pill box and voice alert system	Springer Lecture notes in Networks and Systems	
20	EEE	Ms S Kavitha	IoT based smart pill box and voice alert system	Springer Lecture notes in Networks and Systems	
21	EEE	Dr R.Karpaga Priya	Design of automatic clearance system for emergency transport and abused vehicle recognition	Springer Lecture notes in Networks and Systems	



22	EEE	Ms S Kavitha	Design of automatic clearance system for emergency transport and abused vehicle recognition	Springer Lecture notes in Networks and Systems	
23	EEE	Dr.R Karpaga Priya	Single phase bi-directional AC/DC converters for the fast DC bus voltage controller	Lecture Notes in Networks and System	
24	EEE	Ms.Kavitha S	Single phase bi-directional AC/DC converters for the fast DC bus voltage controller	Lecture Notes in Networks and System	
25	EEE	Ms.Kavitha S	Early identification of plant disease by Image Processing using Integrated Deelopment Environment	Lecture Notes in Networks and System	
26	EEE	Dr.Karpagapriya R	Early identification of plant disease by Image Processing using Integrated Deelopment Environment	Lecture Notes in Networks and System	
27	EEE	Dr S Rajalingam	Optimizing drone delivery : An efficient design for shipper applications	Journal of Autonomous Intelligence	26305046
28	EEE	Joyal Issac S	Detecting Pneumonia for COVID 19 patients using multi image fusion for CT images	IEEE Digital Explore	978-166546941-8
29	EEE	Joyal Issac S	IoT based smart parking assistant for smart citites	IEEE Digital Explore	978-166546941-8
30	EEE	Joyal Issac S	Modality direct Image Contrast Enhancement for Liver Tumour Detection	Lecture notes in Networks and Systems	23673370
31	EEE	Joyal Issac S	Machine Leaning Model for Brain stock Prediction	Lecture notes in Networks and Systems	23673370



32	EEE	Joyal Issac S	Multi converter UPQC optimization for Power Quality Improvement using beetle swarm based butterfly optimization algorithm	Electric Power Components and Systems	15325008
33	EEE	Dr K Kanchana	Effect of porous coffee ground bichar on EMI shielding effectiveness of coconut spathe rachilla long fibre reinforced lightweight vinyl ester biocomposite	Biomass Conversion and Bio refineries	2190-6815
34	EEE	Dr Suresh T D	Enhancing Indian Practical distribution system resilience through microgrid formation and Integration of distributed energy resources considering battery electric vehicle	IEEE Access	2169-3536
35	EEE	S Kavitha	Long Range (LoRa) and Alert Network system for Forest Fire Prediction	Asian Journal of Water Environment and Pollution	0972-9860
36	EEE	K Kanchana	Long Range (LoRa) and Alert Network system for Forest Fire Prediction	Asian Journal of Water Environment and Pollution	0972-9860
37	EEE	Suresh T D	Modelling and Allocation of hydrogen fuel cell based distributed generation to mitigate electric vehicle charging station impact and reliability analysis on electrical distribution systems	Energies	
38	EEE	Dr J Anish Kumar	Design of automatic stator winding connection of induction generator for wind energy conversion system	Multiscale and Multidisciplinary experiments and Design	2520-8179
39	EEE	Kanchana K	Suppression of over voltage in SiC based inverter fed induction motor	Australian Journal of Electrical and Electronics Engineering	1448-837X



40	EEE	Hemalatha R	Maximum powerpoint tracking by ANN under conditions of uniform irradiance and portal shading	IEEE Digital Xplore	978-1-6654-6085-5
41	EEE	Hemalatha R	Optimized Pi controller with hybrid sealion dragon Fly algorithm for grid tied PV systems	International Journal of Intelligent System and Applications in Engineering	2147-6799
42	EEE	Dr Ulagammai	Integrated renewable energy stroage system with enhanced self adaptive differential evolution algorithm on profit maximation	Electric Power Components and Systems	1532-5008
43	EEE	R Vinifa	Particle swarm optimization based maximum Power point Tracking	IEEE- Dlgital Xplore - 7th International Conference on Trends in Electronics and Informatics (ICOEI 2023)	979-8-3503-9728-4
44	EEE	M Ulagammai	An Augmented Reality based intelligent precision agriculture using cascode advancement techniques	IEEE Digital Xplore (ICOEI-2023)	979-8-3503-9728-4
45	EEE	M Ulagammai	Differential evolution alorithm based optimization of networked microgrids	Springer - Lecture notes in Networks and Systems	2367-3389
46	EEE	Monica P Suresh	Design of a robot for detection of human beings amidst fire and wreckage	Springer lecture notes in networks and systems	2367-3370

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Department of Electrical and Electronics Engineering

Details of Project Proposal (Academic Year 2023-2024)

S.No	Faculty Name (along with Co Investigators)	Designation	Department	Project Title	Agency Name	Duration	Amount	Date of Submission
1	Dr.S.Rajalingam Dr.K.Kanchana	Associate Professor Associate Professor	EEE	Smart Eyeglass for visually impaired persons	TIDE-DST	2 Years	7,57,500	13.09.2023
2	Dr.Monica P Suresh Dr.J Anish Kumar	Associate Professor Assitant Professor(SG)	EEE	A motorised Wheel Chair with Patient assist Facility for Paraplegics,Old People and Wheel Chair bound Patients	TIDE-DST	3 Years	8,00,000	30.09.2023
3	Dr.R.Senthil Kumar Dr.Monica P. Suresh Dr.K.Kanchana Dr.R.Hemalatha	Professor Associate Professor Associate Professor Assistant Professor	EEE	Design of a 3kW Interior Permanent magnet linear motor for a no load speed of 200mm/sec and a peak force of 40kN at 60mm/sec and its performance validation	ISRO-Respond	2 Years	14,27,760	06.02.2024



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4	Dr.S.Rajalingam Dr.R.Vinifa Dr.S.Kavitha Dr.R.Karpaga Priya	Associate Professor Associate Professor Assistant Professor Assistant Professor	EEE	Field Oriented Control (FOC) based BLDC/Stepper Motor Drive Electronics	ISRO- Respond	2 Years	14,27,760	07.02.2024
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