

E.G.S. Pillay Engineering College, Nagpattinam					
Research and Development Cell					
List of Publications					
Department	Staff Name	Title of the Paper	Title of the Journal	Academic Year of Publication	Indexed by Scopus/Sci
CSE	ARUL SELVANG	AN OPTIMISED DATA ACCUMULATION TECHNIQUE USING NODE SELECTION IN AN AD HOC NETWORK FOR ENVIRONMENTAL MONITORING	<a href="#">Journal of Intelligent &amp; Fuzzy Systems</a>	2023-2024	SCIE
IT	RAJU K	An Identity-Based Secure and Optimal Authentication Scheme for the Cloud Computing Environment	JOURNAL OF GRID COMPUTING	2023-2024	SCIE
Civil	Balasubramani. V	Intrusion Detection System for Energy Efficient Cluster Based Vehicular Adhoc Networks	The International Journal of Manufacturing Technology	2023-2024	SCIE
IT	Manikandan S	Deep Learning and its Applications	The International Journal of Manufacturing Technology	2023-2024	SCIE
S&H	Edward Anand.E	Industrial Revolution and Metaverse: Industry 5.0	Journal of optoelectronics and advanced materials	2023-2024	SCIE
S&H	Edward Anand.E	Optical Attenuation Modelling Of Pbsexs1-X Quantum Dots With Vegard's Law And Brus Equation Use'	Journal of the Nigerian Society of Physical Sciences	2023-2024	Scopus
IT	Manikandan S	Deepq: Residue analysis of localization images in large scale solid state physical environments	Advances in intelligent system and computing	2023-2024	Scopus
S&H	Dr.N.MOORTHY	Performance Comparison of Various Wireless Sensor Network Dataset using Deep Learning Classifications,	Journal of Shanghai Jiaotong University (Science)	2023-2024	Scopus
CSE	Dr. R. Manivannan	Intelligent Outlier Detection for Smart Farming Application using Deep Neural Network	Sustainable Computing : Informatics & Systems	2023-2024	SCIE
CSE	Sugumaran V.R.	Heart Disease Prediction System Based on Multiple Feature Selection Algorithm with Ensemble Classifier	Journal of Intelligent & Fuzzy Systems	2023-2024	Scopus
CSE	Mrs.B.Ranjani	Buliding Crack Detection Using Deep Learning Techniques	International Journal of Multidisciplinary Research and Growth Evaluation	2023-2024	SCIE
CSE	Mrs.B.Ranjani	Secure multiple disease diagnosis system using machine learning in health record management	International Journal of Advance Research and Innovative Ideas in Education	2023-2024	Scopus
CSE	Dr. K. Balasubramanian	Analysis of Eco-Environmental Risk Using Improved Principal Component Analysis Algorithm	Journal of Environmental Protection and Ecology	2023-2024	Scopus
BME	Sundar Raj. A	Unique Secure Cracking With Efficient Path Detection Routing Technique	Journal of Intelligent Fuzzy Systems	2023-2024	SCI
BME	VENKATESAN R	Improvement of life time for wireless body sensor networks using optimal clustering and routing protocol	Recent Patents on Nanotechnology	2023-2024	SCI
MBA	Kamal Nathan &	Optimization of Double-Gate Carbon Nanotube FET Characteristics for Short Channel Devices	ABDC	2023-2024	SCI
MBA	Dr. R. Karthi	Future of Electronic Human Resource Management in the It Sector	ELSEVIER	2023-2024	SCI

MBA	Kamal Nathan &	Reshaping healthcare supply chain using chain-of-things technology and key lessons experienced from COVID-19 Pandemic.	UGC	2023-2024	UGC
MBA	Kamal Nathan &	Valuating the Impact of EHRM on Institutional Performance	UGC	2023-2024	UGC
MBA	Dr.R.Karthi	Does EHRM have induced better production and resources utilization in an educational institution: An exploratory study	Electric Power Components and Systems	2023-2024	Scopus
MBA	Dr. R. Karthi	Effectiveness Of Online Teaching And Learning Process In Semi Urban Areas - An Emprical Statistical Study	UGC	2023-2024	UGC
EEE	K. Nandakumar	THE EFFICACY OF ULTRAVIOLET RADIATION FOR GERMICIDAL PURPOSES	International Journal of Research -GRANTHAALAYAH	2023-2024	Google scholar
EEE	K. Nandakumar	MILITARY BASED LANDMINE DETECTION ROBOTIC VEHICLE	International Journal of Research -GRANTHAALAYAH	2023-2024	Google scholar
EEE	Dr.M.VINOTHK UMAR	power system state estimation considering data attacks	IEEE xplore	2023-2024	Scopus
EEE	Dr.M.VINOTHK UMAR	IOT Enabled Pulsed Electric field food preservation system for Improved food safety and Quality	IEEE xplore	2023-2024	Scopus
EEE	thkumar, Mr.V.Yo	Artificial Intelligent control based Load frequency controller for Deregulated Interconnected power systems	Electric Power Components and Systems	2023-2024	Scopus
EEE	, Mohan V, Senth	A brief review of the development path of artificial intelligence and its subfields	International Journal of Engineering Technologies and Management Research	2023-2024	Google scholar
EEE	Mohan, A. Anith	Step up fuzzy controller dc-dc switching converter with single switch and multi-outputs based on luo topology	International Journal of Research - GRANTHAALAYAH	2023-2024	Google scholar
EEE	phan V, Senthil K	Design of microstrip antenna using high frequency structure simulator for 5G applications at 29 GHz resonant frequency	International Journal of Creative Research Thoughts (JCRT)	2023-2024	Scopus
EEE	K, Suresh Padm	A Water Cycle Approach for Maximum Power Point Tracking through an Interleaved Boost Converter	Electric Power Components and Systems	2023-2024	Scopus
EEE	Sri, V. Mohan, S.	An efficient optimized mppt for pv system under extremely fast changing irradiance – hybrid honey badger optimizer	Electric Power Components and Systems	2023-2024	Scopus
EEE	Mohan, A. Anith	Step up fuzzy controller dc-dc switching converter with single switch and multi-outputs based on luo topology	International Journal of Creative Research Thoughts (JCRT)	2023-2024	Scopus
ECE	S VETRISIELVI	Android Based College App Using Flutter Dart	Green Intelligent Systems and Applications	2023-2024	Crossref, Google Scholar
ECE	V LAKSHMI PRABA	Android Based College App Using Flutter Dart	Green Intelligent Systems and Applications	2023-2024	Crossref, Google Scholar
ECE	L.RAMACHAN DRAN	Early detection and identification of white spot syndrome in shrimp using an improved deep convolutional neural network	Journal of Intelligent & Fuzzy Systems	2023-2024	SCI
ECE	Dr.N.PRATHAP	<a href="#">Energy Saving Solar Powered LED Street Lights with Automatic Intensity Control</a>	Iconic Research And Engineering Journals	2023-2024	Google Scholar
ECE	Dr.V.SATHIYA	<a href="#">Reshaping healthcare supply chain using chain-of-things technology and key lessons experienced from COVID-19 pandemic</a>	Socio-Economic Planning Sciences	2023-2024	SCI

ECE	M IRSHAD AHAMED	<a href="#">Modelling of Cu<sub>2</sub>SnSeS chalcogenide quantum dots for optoelectronic applications</a>	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2023-2024	SCI
ECE	Dr.N.PRATHAP	<a href="#">Modelling of Cu<sub>2</sub>SnSeS chalcogenide quantum dots for optoelectronic applications</a>	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2023-2024	SCI
ECE	NUTHAL SRINIVASAN M	A review on MPPT algorithms for solar PV systems	<i>International Journal of Research-Granthaalayah</i>	2023-2024	Crossref, Google Scholar
ECE	Dr.N.PRATHAP	A review on MPPT algorithms for solar PV systems	<i>International Journal of Research-Granthaalayah</i>	2023-2024	Crossref, Google Scholar
ECE	KAVITHA M	A Novel and Smart Administrative Door Lock and Open System using Face Recognition	IEEE Xplore	2023-2024	Scopus
ECE	KAVITHA M	Optimized maximum power point tracking algorithm for solar photovoltaic with dissimilar environmental conditions	IEEE Xplore	2023-2024	Scopus
ECE	KAVITHA M	Android Based College App Using Flutter Dart	Green Intelligent Systems and Applications	2023-2024	Crossref, Google Scholar
ECE	M. MALATHI	Glaucoma disease detection using stacked attention U-Net and deep convolutional neural network	Journal of Intelligent & Fuzzy systems	2023-2024	SCI
ECE	M. MALATHI	Anthromorphic Robotic Hand using Android application	International Journal of Innovation Research in Science, engineering and Technology (IJIRSET)	2023-2024	google scholar
ECE	M. MALATHI	Colon cancer stage detection in colonoscopy images using YOLOv3 MSF deep learning architecture	Biomedical Signal Processing and Control	2023-2024	SCI
ECE	M IRSHAD AHAMED	<a href="#">Modelling of Cu<sub>2</sub>SnSeS chalcogenide quantum dots for optoelectronic applications</a>	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2023-2024	SCI
ECE	L.RAMACHAN DRAN	<a href="#">Solar Powered Pesticide Sprayer with Mobile Charger and LED Light</a>	International Journal of Innovative Science and Research Technology	2023-2024	Google Scholar
ECE	RS,Koteeshwar i	<a href="#">Outage probability analysis of power domain ordered NOMA under various channel conditions.</a>	Arab Gulf Journal of Scientific Research	2023-2024	Scopus
ECE	RS,Koteeshwar i	<a href="#">Assessment of influencing factors in selecting effective mobile applications—a drive toward automation in construction projects</a>	Modeling Earth Systems and Environment	2023-2024	ESCI
ECE	RS,Koteeshwar i	<a href="#">4G Spectrum Activity Analysis in Nagapattinam-India</a>	International Journal of Computer Science Trends and Technology (IJCTST)	2023-2024	Scopus
ECE	Senthilkumar S	<a href="#">Solar energy harvesting to optimise the power constraints in 5G systems</a>	Optical and Quantum Electronics	2023-2024	SCIE
ECE	Senthilkumar S	Early detection and identification of white spot syndrome in shrimp using an improved deep convolutional neural network	Journal of Intelligent & Fuzzy Systems	2023-2024	SCIE
ECE	Senthilkumar S	Design of microstrip antenna using high frequency structure simulator for 5G applications at 29 GHz resonant frequency	International Journal of Advanced Technology and Engineering Exploration	2023-2024	Scopus

ECE	Senthilkumar S	A Novel and Smart Administrative Door Lock and Open System using Face Recognition	IEEE xplore	2023-2024	Scopus
ECE	Senthilkumar S	Optimized maximum power point tracking algorithm for solar photovoltaic with dissimilar environmental conditions	IEEE xplore	2023-2024	Scopus
ECE	Senthilkumar S	Android Based College App Using Flutter Dart	Green Intelligent Systems and Applications	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	A Brief Review of the Development Path of Artificial Intelligence and its Subfields	International Journal of Engineering Technologies and Management Research	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	An Efficient Optimized MPPT for PV System Under Extremely Fast Changing Irradiance – Hybrid Honey Badger Optimizer	<i>International Journal of Research-Granthaalayah</i>	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	The efficacy of ultraviolet radiation for germicidal purposes	<i>International Journal of Research-Granthaalayah</i>	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	Energy Saving Solar Powered LED Street Lights with Automatic Intensity Control	Iconic Research And Engineering Journals	2023-2024	Google Scholar
ECE	Senthilkumar S	A review on MPPT algorithms for solar PV systems	<i>International Journal of Research-Granthaalayah</i>	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	Audio Streaming Using Li-Fi Communication	Irish Interdisciplinary Journal of Science & Research	2023-2024	Google Scholar
ECE	Senthilkumar S	Energy Efficient Transmission Using Optical Access Network: Issues and Challenges	International Journal of Engineering Science Technologies	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	Brief review on solar photovoltaic parameter estimation of single and double diode model using evolutionary algorithms	International Journal of Engineering Technologies and Management Research	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	Optimization of switching angles for selective harmonic elimination in cascaded h-bridge multilevel inverters employing artificial intelligence techniques – A mini review	International Journal of Engineering Technologies and Management Research	2023-2024	Crossref, Google Scholar
ECE	Senthilkumar S	Solar Powered Pesticide Sprayer with Mobile Charger and LED Light	International Journal of Innovative Science and Research Technology	2023-2024	Google Scholar
ECE	L ANBAZHAGAN	Optimized maximum power point tracking algorithm for solar photovoltaic with dissimilar environmental conditions	IEEE Explore	2023-2024	Scopus
ECE	Dr. Rajasri S	Gain enhancement of CPW-fed Metamaterial inspired Multiband Antenna using Frequency Selective Surface	Applied Physics A	2023-2024	SCI
ECE	Dr. Rajasri S	Multi-ring Swasthi-shaped Frequency Selective Structure for Multi-band operation	Applied Physics A	2023-2024	SCI