

S.A. ENGINEERING COLLEGE, CHENNAI-77

(An Autonomous Institution, Affiliated to Anna University)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Research paper publication

Academic Year -2021-2022

S. No	Title of the Paper	Authors of the Paper	Specify Int.Conf/ Int. Journal	Name of the Conference/ Journal with Vol.No. Issue No, Page No.,	DOI & Indexing	Referred Indexing
1.	A Novel hyperparameter Tuned Deep learning Model for content based image Retrieval	K. Kalaivani; Rohini G ; Paul T; Sheeba; P Sivakumar; Aditya Kumar Singh Pundir; M. Maragatharajan; B. Jegajothi	Int. Conf	International Conference on Sustainable Computing and Data Communicatio n Systems (ICSCDS) pp. 207-213 April 2022	DOI:1 0.1109 /ICSC DS537 36.202 2.9760 906	Scopus Indexed https://ieeexpl e.ieee.org/docu ment/9760906
2.	Setpoint Tracking and Disturbance Rejection in Automobile using Predictive Controller	Rohini, G. Ragumadhavan, R. Bhavani, G. Josephson, P.J. Alaskar, K.	Int. Conf	International Conference on Smart Electronics and Communicatio n, ICOSEC 2022 Oct .2022	DOI:1 0.1109 /ICOS EC549 21.202 2.9951 942	Scopus Indexed https://ieeexpl e.ieee.org/docu ment/9951942
3.	Congestion Management:A Case Study In Ieee-30 Bus Test System Through IPFC With FPA	Rohini G	Int. Journal	FOURRAGES Journal Vol.249-252 Issue 1-2(6) Impact Factor: 0.202		WOS indexed https://afpf-asso. com/afpf/index. php/archive/part /250/6/1/?curren tVol=250&curre ntissue=6



4.	An Improved Power Quality Disturbance Detection Using Deep Learning Approach	Kavaskar Sekar, Karthick Kanagarathinam, Sendilkumar S , Ellappan Venugopal, C. Udayakumar	Int. Journal	Mathematical Problems in Engineering Vol:2022, 12 pages May 2022	DOI:10.1155/2022/7020979	Scopus &WOS Indexed https://www.hindawi.com/journals/mpe/2022/7020979/ Impact factor-1.305
5.	Effective Obstacle Avoidance Path Planning and Maximized Network Lifetime Algorithm for Wireless Sensor Networks	N. Magadevi , V. Jawahar Senthil Kumar, H. Venkateswaran	Int. Journal	PERIODICO di MINERALOGIA Vol.91, No. 4, 2022 Impact factor-1.308	DOI: https://doi.org/10.37896/pd91.4/91431	WOS indexed https://periodicodimineralogia.it/wp-content/uploads/2022/07/202291431.pdf
6.	An Efficient Liver Disease Prediction based on Deep Convolutional Neural Network using Biopsy Images	S. Bharathi , A. Balaji, Dolly Irene. J, C. Kalaivanan, R. Anusuya	Int. Conf	International Conference on Smart Electronics and Communication, ICOSSEC 2022 Oct .2022	DOI: 10.1109/ICOSEC54921.2022.9951870	Scopus Indexed https://ieeexplore.ieee.org/document/9951870
7.	Performance Improvement of Partially-Shaded PV Modules Connected DC Micro grid Systems	Anna Devi, J. Megala , D. Gururaj, A. Karunakaran, R. Radhika, S. Gomathi	Int. Conf	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICESES)	DOI: 10.1109/ICES553.2022.9914241	Scopus Indexed https://ieeexplore.ieee.org/document/9914241
8.	Design and Implementation of Advanced Controller for Aircraft Control	S. Sathya , K N Karthick, Hemachandra Gudimindla, Akshada Kulkarni	Int. Conf	International Conference on Inventive Computation Technologies (ICICT)	DOI: 10.1109/ICICT5434.2022.9850945	Scopus Indexed https://ieeexplore.ieee.org/document/9850945

9.	A Deep Learning-based Approach on Vehicle Detection, Tracking, and Counting System	N. Rajavinu, B.Swaminathan, A P Shameer, Debarati Ghosal	Int. Conf	International Conference on Inventive Computation Technologies (ICICT)	DOI: 10.1109/ICICT5434.2022.9850538	Scopus Indexed https://ieeexplore.ieee.org/document/9850538
10.	Deep Learning based Fault Detection in Power Transmission Lines	T. Sathish Kumar RadheyShyam Meena P.K Mani S. Ramya K. Lakshmi Khandan Arshad Mohammed M Siva Ramkumar	Int. Conf	International Conference on Inventive Research in Computing Applications (ICIRCA)	DOI: 10.1109/ICIRCA54612.2022.9985700	Scopus Indexed https://ieeexplore.ieee.org/document/9985700
11.	Battery Energy Management Systems in Active Distribution Network	S.P. Alexprabu, B.Swaminathan, A P Shameer, Debarati Ghosal	Int. Conf	International Conference on Smart Electronics and Communication, ICOSSEC 2022 Oct .2022	DOI: 10.1109/ICOSSEC58147.2023.10276115	Scopus Indexed https://ieeexplore.ieee.org/document/10276115
12.	Integration of Microgrid with Power for Supplying Quality Power of High Reliability and Efficiency	C. Kalaivanan; G Kalyan Kumar; N. Sakthisaravanan ; Hemavathi; G Sajiv; V. Mohanavel	Int. Conf	International Conference on Electronics, Communication and Aerospace Technology	DOI: 10.1109/ICECA55336.2022.10009514	Scopus Indexed https://ieeexplore.ieee.org/document/10009514
13.	Fault Diagnosis of Electric Vehicle's Battery by Deploying Neural Network	Suwarna Shete; Pranjal Jog R. Kamalakannan J T Arun Raghesh	Int. Conf	I-SMAC 2022	DOI: 10.1109/I-SMAC55078.2022	Scopus Indexed https://ieeexplore.ieee.org/document/9987277

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Product Development

Academic Year -2021-2022

S.No	Title of the Project	Name of student & Register number	Name of the guide	Industry/In house	Justification	Details of the project
1.	Modern Voice controlled wheel chair for paralyzed person	V.Nagaraj & 111919105008	Dr.S.Sendil Kumar	In house	Published in Patent Application Number: 202241061053	
2.	Automated Industrial Waste Segregation System	S.Sanjay Priyan & 111920EE01312	Mrs.J.Megala	In house	Published in Patent Application Number: 202241061053	
3.	Smart Home Monitoring And Control System	Gokul B Manoj Kumar S Nagaraj V Nithishkumar U	Dr. G. Rohini	In house	Project at national level selected for presentation at Bangalore	