

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGYTHINDAL, ERODE.

(Autonomous) (Accredited by NAAC and NBA)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



FACULTY PUBLICATION DETAILS

ACADEMIC YEAR 2020-2021

| S.No | Name of the Staff | Title of the paper | Name of the Journal | National/ International | Scopus/ Web of Science/ Other | Online/ Printed journal | Month and year of publication | ISSN No. | Vol, Issue, PP |
|------|---------------------------------|---|--|-------------------------|-------------------------------|-------------------------|-------------------------------|-----------|--|
| 1. | Dr.P.Sakthivel | Low Power Sleepy Keeper technique based VLSI architecture of Viterbi decoder in WLANs. | Australian Journal of Electrical and Electronics Engineering | International | Others | Online | Nov 2020 | 1448837X | Volume:17 Issue no:4 Page No:263-268 |
| | | Sleepy keeper style based low power VLSI architecture Viterbi decoder applying for the wireless LAN operation Sustainability. | Analog Integrated Circuits & Signal Processing | International | Web of Science | Online | May 2021 | 0925-1030 | Volume:109 Issue No:3 Page No:487-499 |
| | | Performance analysis of VLSI architecture of Viterbi decoder in WLAN using the sleeper keeper technique. | Comptes Rendus de L'Academie Bulgare des Sciences | International | Web of science | Online | Aug 2020 | 1310-1331 | Volume:73 Issue No:8 Page No:1123-1131 |
| 2. | Dr.C.Gokul Dr.K.Vanchinathan | Test scheduling of System-on-Chip using Dragonfly and Ant Lion optimization algorithms | Journal of Intelligent & Fuzzy Systems (SCI & SCOPUS) | International | others | Online | Mar 2021 | 1064-1246 | Volume : 40 Issue No : 3 Page No : 4905-4917 |
| 3. | Mr.D.Rajkumar | Transient Stability Testing and Improvement of Power System Using ETAP | High Technology Letters | International | Others | Online | Jan 2021 | 1006-6748 | Volume:26 Issue No:12 Page No:260-268 |

| | | | | | | | | | |
|----|------------------|---|--|---------------|--------|--------|----------|-----------|--|
| | | Software | | | | | | | |
| 4. | Mr.J.Senthilnath | Design and Implementation of Thyristor based automatic on load tap changer for constant output voltage using ANN &IOT | Suraj Punj journal for multidisciplinary research | International | Others | Online | 2021 | 2394-2886 | Volume:11 Issue No:4 Page No:444-450 |
| 5. | Dr.C.Gokul | A Novel Method For Arduino Based Electric Vehicle Emulator | International Journal of Ambient Energy | International | SCOPUS | Online | Jan 2021 | 0143-0750 | Volume : 0 Issue No : 0 Page No : 17 |
| | | Development of peanut separator and thruster | IOP Conference Series: Materials Science and Engineering | International | others | Online | Feb 2021 | 1757-899X | Volume : 1055 Issue No : 1 Page No : 012053 |
| | | Integrated System for Smart Industrial Monitoring System in the Content of Hazards based on the internet of Things | International Journal of Safety and Security Engineering | International | others | Online | Feb 2021 | 2041-9031 | Volume : 11 Issue No : 1 Page No : 123-127 |
| | | Visualization of Virtual Environment through Lab View platform | Material Today: Proceedings | International | others | Online | Jan 2021 | 2214-7853 | Volume : 45 Issue No : 0 Page No : 2306-2312 |
| | | Low power True Single Phase Clock Scan Cell Design for VLSI testing | Material Today: Proceedings | International | others | Online | Jan 2021 | 2214-7853 | Volume : 45 Issue No : 0 Page No : 3153-3156 |
| | | Performance based algorithm for DWT and DCT for ISL | Material Today: Proceedings | International | others | Online | Jan 2021 | 2214-7853 | Volume : 45 Issue No : 0 Page No : 2317-2322 |
| | | Advanced Lane Detection | Material Today: Proceedings | International | others | Online | Jan 2021 | 2214-7853 | Volume : 45 Issue No : 0 |

| | | | | | | | | | |
|----|---|--|--|---------------|--------|--------|------------|-------------------|---|
| | | Technique for Structural Highway based on Computer Vision Algorithm | | | | | | | Page No : 2073-2081 |
| 6. | Dr.P.Sakthivel Dr.C.Gokul Ms.M.Chitra | Analysis of Over Loading in Trucks using Embedded Controller | International Conference on Electronics and Sustainable Communication System | International | others | Online | Aug 2020 | 978-1-6654-2867-5 | Volume : 0 Issue No : 0 Page No : 944-949 |
| 7. | Ms.K.Gomathi | Comparative Study of Recurrent and Non recurrent Neural Network based approach for Modelling of PEM Fuel Cell Powered Electric Vehicle | Material Science and Engineering | International | others | Online | 2020 | 1757-899X | Volume : 937 Issue No : 1 Page No : 42 |
| | | An Intelligent parametric Modeling and identification of a 5KW Ballard PEM fuel cell system based on dynamic recurrent networks with delayed context units | International Journal of Hydrogen Energy | International | others | Online | April 2021 | 0360-3199 | Volume : 46 Issue No : 29 Page No : 15912-15927 |

ACADEMIC YEAR 2019-2020

| S.No | Name of the Staff | Title of the paper | Name of the Journal | National/ International | Scopus/ Web of Science/ Other | Online / Printed journal | Month and year of publication | ISSN No. | Vol, Issue, pp |
|------|---------------------------------|---|--|-------------------------|-------------------------------|--------------------------|-------------------------------|-----------|--|
| 1. | Dr.P.Sakthivel | Monitoring and analysis water quality parameters for diagnosis of safe drinking purpose using wireless sensor network | International Journal of Innovative Technology and Exploring Engineering | International | Scopus | Online | Dec 2019 | 2278-3075 | Volume:9 IssueNumber:12 Page no: 1478-1482 |
| | | 120 MHz, 2.2 mW Low Power Phase-Locked Loop using Dual Mode Logic and its Application as Frequency Divider | International Journal of Gedragen Organisatie | International | others | Online | Apr 2020 | 0921-5077 | Volume :33 Issue No: 02 Page No: 152-162 |
| | | Automatic Borewell Distance Calculator and Indicator Using Optoelectronics Sensor System | Gedragen and Organisatie Review | International | others | Online | 2020 | 0921-5077 | Volume: 33 Issue No :02 Page No: 2460 |
| 2. | Dr.C.Gokul Dr.K.Vanchinathan | Experimental Investigation Of Hybrid Battery/Super Capacitor Energy Storage System For Electric Vehicles | International Journal of Advanced Science and Technology (SCOPUS) | International | Scopus | Online | Mar 2020 | 2207-6360 | Volume:29 Issue No:4S Page No: 1013-1021 |
| | | Real Time Monitoring and Controlling of Boiler Drum Parameters using Internet of Things (IoT) | Test Engineering and Management (SCOPUS) | International | Scopus | Online | Jan-Feb 2020 | 0193-4120 | VolumeNo:82 Issue No:0 Page No: 2195-2198 |

| | | | | | | | | | |
|----|------------------------|---|--|---------------|--------|--------|----------|-----------|--|
| | | Test Scheduling of Core Based System-on-Chip Using Modified Ant Colony Optimization | Journal Européen des Systèmes Automatisés (SCOPUS) | International | Scopus | Online | Dec 2019 | 2116-7087 | Volume No:52 Issue No:6 Page No: 599-605 |
| 3. | C.Gokul | Test Schedule for system on chip using modified firefly and modified ABC algorithms | Springer – SN applied Sciences (SCOPUS) | International | Scopus | Online | Aug 2019 | 2523-3971 | Volume No:1 Issue No:9 Page No: 1-12 |
| 4. | D. Rajkumar C.Gokul | Comparison of results of economic load dispatch using various meta-heuristic techniques | Journal European des Systems Automatisés(S COPUS) | International | Scopus | Online | Apr 2020 | 2523-3971 | Volume:53 Issue No:2 Page No: 289-295 |