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Area of Specialization: Power Electricals, VLSI Design, Image processing and computer networks.

S.NO	PUBLICATIONS	YEAR
1.	Design and Implementation of Low Cost Automatic Wall Painting Machine A Arulkumar, S Balaji, M Balakrishnan, G Dineshkumar, S Saravanan International Journal of Engineering Technology Research & Management 4 (3 ...	2020
2.	A Multiport System for A Battery Storage System Based on Modified Converter with MANFIS Algorithm M Revathi, S Saravanan , R Raja, P Manikandan International Journal of Engineering Technology Research & Management 4 (2 ...	2020
3.	Automatic Class Room Light Controlling Using Arduino R Anbarsan, A Arsathparvez, KS Arunachalam, M Swathisriranjani, .Dr S Saravanan International Journal of Engineering Technology Research & Management 4 (3 ...	2020
4.	The Dairy Data Acquisition System S Karthikeyan, A Krishnaraj, P Magendran, T Divya, DS Saravanan International Journal of Engineering Technology Research & Management 4 (3 ...	2020
5.	Design and Implementation of Low Cost Solar Based Meat Cutting Machine M Amaran, SM Mannan, M Madhu, DR Sagayaraj, DS Saravanan International Journal of Engineering Technology Research & Management 4 (3 ...	2020
6.	Controller for Charging Electric Vehicles Using Solar Energy TR Vignesh, M Swathisriranjani, R Sundar, S Saravanan , T Thenmozhi Journal of Engineering Research and Application 10 (01), 49-53	2020
7.	IoT Based Energy Monitoring and Management System for Smart Home Using Renewable Energy Resources K Prakashraj, G Vijayakumar, S Saravanan , S Saranraj International Research Journal of Engineering and Technology 7 (2), 1790-1797	2020

8. IoT Based Smart Home Energy Meter 2020
N Harish, R Jayakumar, P Kalaiyarasan, G Vijayakumar, **S Saravanan**
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9. A Photovoltaic Modeling module with different Converters for Grid Operations 2020
V Dhinesh, DG Vijayakumar, **DS Saravanan**
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10. A Dual Stage Flyback Converter using VC Method 2020
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11. Study of Poultry Fodder Passing Through Trolley in Feeder Box 2020
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12. IoT Based Clean Water Supply 2020
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13. Flyback Converter Based BLDC Motor Drives for Power Device Applications 2020
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14. Optimal Scheduling of Solar Wind Bio-Mass Systems and Evaluating the Demand Response Impacts on Effective Load Carrying Capability 2020
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15. IoT Based Intelligent Traffic Control System 2020
M Yogheshwaran, D Praveenkumar, S Pravin, PM Manikandan,. **S Saravanan.**
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16. Design and Implementation of Electrochemical Etching Machine 2020
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17. Fingerprint Based Medical Information System Using IoT 2020
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18. Design of Portable Sanitary Napkin Vending Machine 2020
K Subashchandrabose, G Moulieshwaran, M Raghul, V Dhinesh, **S Saravanan.**
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19. Design and Implementation of IoT Based Modern Weaving Loom Monitoring System 2020
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21. Analysis of basic neural network types for automated skin cancer classification using Firefly optimization method 2020
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 22. Using artificial intelligence inverter power control which is based on DC link voltage regulation for IPMSM drives with electrolytic capacitor 2020
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 23. Solar Powered Hybrid Charging Station For Electrical Vehicle 2020
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 24. An enhancement of deep learning algorithm for brain tumor segmentation using kernel based CNN with M-SVM 2019
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 25. Exudate characterization to diagnose diabetic retinopathy using generalized method 2019
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 26. A novel flip-flop based error free, area efficient and low power pipeline architecture for finite impulse recursive system 2019
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 27. Hybrid on-chip soft computing model for performance evaluation of 6T SRAM cell using 45-nm technology 2019
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 29. IMAGE SEGMENTATION USING CLASSIFICATION OF RADIAL BASIS FUNCTION OF NEURAL NETWORK IN BRAIN TUMOR DETECTION 2019
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 30. A Low-Noise Dynamic Comparator with Offset Calibration for CMOS Image Sensor Architecture A Sathishkumar, **S Saravanan** 2019
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 31. MODELLING, SIMULATION AND OPTIMIZATION DESIGN OF PCB PLANAR 2019

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33. Role of Solar Powered Automatic Traffic Light Controller for Energy Conservation 2018
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34. Inverter Power Control Based On DC-Link Voltage Regulation for IPMSM Drives using ANN 2018
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35. P LC Based Automatic Control For Onboard Ship Gangway Conveyor System 2017
P Veerakumar, M Dheepak, **SV Saravanan**
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36. Performance analysis of power gating techniques in 4-bit SISO shift register circuits 2017
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37. Design of a spike detector for fully Integrated Neuromodulation SoC 2017
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38. Design of a low power ECG signal processor for wearable health system-review and implementation issues 2017
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39. Solar PV System for Energy Conservation Incorporating an MPPT Based on Computational Intelligent Techniques Supplying Brushless DC Motor Drive 2016
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40. A new clock gated flip flop for pipelining architecture K Raja, **S Saravanan** 2016
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41. Shared processing element architecture for an area and power efficient FIR filter design using double base number system 2016
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42. A Correlative Study of Perturb and Observe Technique and GA-RBF-NN Method Supplying a Brushless DC Motor 2016
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43. Design of a reduced carry chain propagation adder using FinFET 2016

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44. Studies of the crystal growth and characterization of KDP doped crystals 2016
R Raja, **S Saravanan**, V Santhanam, P Kurinjinathan
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45. A Study of Role of Building Information Modeling in Life Cycle Based Integrated Project Delivery Process 2016
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46. Design of Low Power Dual Rail Domino Logic Flip Flop with 4-Bit SIPO Shift Register 2016
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47. Design of Low Power Flip Flop and Implementation in a 4-bit Counter 2016
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48. LOW POWER ARITHMETIC CIRCUITS USING FINFET DEVICE IN 32NM TECHNOLOGY 2016
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49. Making People's Life Much Easier by Effective Face Image Retrieval from the Popular Online Social Network such as Facebook 2016
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