

Name of DC Member: Dr.K.Selvakumar

List Of Publications

Year: 2020

1. IoT based Classification Techniques for Soil Content Analysis and Crop Yield Prediction, R Reshma, V Sathiyavathi, T Sindhu, K Selvakumar, L SaiRamesh, 2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC),Pg: 156-160
2. Control system of automatic garage using programmable logic controller,K Selvakumar, R Palanisamy, P Nikhil, D Karthikeyan, D Selvabharathi,Telkomnika, Volume:18 (5), Pg: 2654-2664
3. Smart soil monitoring and water conservation using irrigation on technology,G Fernandez, K Vijayakumar, V Kalyanasundaram, S Vidyasagar, Indonesian Journal of Electrical Engineering and Computer Science, Volume: 19 (1), Pg:99-107
4. Effect of ShambhaviMahamudra and Pranayama Practice on Stress among Middle Aged Men, S Parthasarathy, S Dhanaraj, K Alaguraja, K Selvakumar,Indian Journal of Public Health Research & Development, Volume:11 (6),Pg:795-798
5. Concurrent Strength Training with Yogasana Practices on Power Parameter of Women Hockey Players,T Priya, K Muralirajan, K Alaguraja, K Selvakumar,Indian Journal of Public Health Research & Development ,Volume:11 (6), Pg:1014-1017
6. Photovoltaic Based Modular Multilevel Converter for Battery Energy Storage System, K Selvakumar, A Bhattacharya, P Maity, S Acharya, D Selvabharathi,International Journal of Electrical Engineering and Technology, Volume:11 (3)
7. Implementation of Seven Level Inverter With Reduced Switches Based Grid Connected Pv System, Palanisamy, A Chacko, A Kumar, K Selvakumar, K Vijayakumar,International Journal of Electrical Engineering and Technology,Volume: 11 (3)
8. Battery State of Charge of a Plugged-In Hybrid Electric Vehicle,K Selvakumar, N Sarvesh, B Shibu, D Ray, D Karthikeyan,International Journal of Electrical Engineering and Technology 11 (3)
9. Effect of Specific Skill and Drill Training Combined with Pranayama Practices on Physiological Variable among Women Hockey Players,R Ramya, D Rajalakshmi, K Alaguraja, K Selvakumar, K Kaviyarasan, Indian Journal of Public Health Research & Development 11 (6), 760-763
10. A new multilevel DC-AC converter topology with reduced switch using multicarrier sinusoidal pulse width modulation,R Palanisamy, S Vidyasagar, V Kalyanasundaram, D Karthikeyan,International Journal of Power Electronics and Drive Systems ,Volume:11 (2),

11. Switching pulse generation for DC-DC boost converter using Xilinx-ISE with FPGA processor,R Palanisamy, CS Boopathi, K Selvakumar, K Vijayakumar,International Journal of Electrical & Computer Engineering (2088-8708) 10
12. Single Phase Five-Level Inverter Topology with Reduced Number of Switches,K Selvakumar, K Vijayakumar, R Palanisamy, D Selvabharathi,Solid State Technology,Volume: 63 (3), Pg:1132-1138
13. Smart Irrigation System using Arduino UNO,R Palanisamy, K Selvakumar, D Selvabharathi, K Vijayakumar,Solid State Technology,Volume:63 (3), Pg:1696-1701
14. Parking Management System using Semi-active RFID Integrated with QR Code,K Elango, K Selvakumar,Solid State Technology,Volume:63 (3),Pg: 1139-1144
15. Hybrid Energy Storage System (HESS) Involving Battery and Super Capacitor in Different Operating Modes for DC Coupled Microgrids,D Selvabharathi, R Palanisamy, K Selvakumar, K Vijayakumar,Solid State Technology,Volume:63 (3), Pg:1919-1926
16. Design of Stand Alone Photovoltaic System Using Three Port DC–DC Converter,D Selvabharathi, P Vishwas, P Saurav, S Babu, K Selvakumar,International Journal of Electrical Engineering and Technology ,Volume:11 (3)
17. Superior Performances of Different New Multilevel Inverter Topology With Disparate Pulse Technique,D Karthikeyan, SK Prasad, K Selvakumar, R Palanisamy,International Journal of Electrical Engineering and Technology,Volume: 11 (4)
18. Energy Management System for the Setup of Hevs/Phevs,K Selvakumar, K Prathyusha, A Verma, RL Kattady, R Palanisamy,International Journal of Electrical Engineering and Technology,Volume: 11 (3)

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19. Transformer based NPC multilevel inverter using reduced number of components,R Palanisamy, K Selvakumar, K Vijayakumar, D Karthikeyan,International Journal of Electrical & Computer Engineering (2088-8708) 9
20. Unmanned and autonomous ground vehicle,SG Fernandez, K Vijayakumar, R Palanisamy, K Selvakumar,International Journal of Electrical and Computer Engineering 9 (5), 4466
21. Intelligent temporal classification and fuzzy rough set-based feature selection algorithm for intrusion detection system in WSNs,K Selvakumar, M Karuppiah, L SaiRamesh, SKH Islam, MM Hassan,Information Sciences 497, 77-90

22. Secure group key management protocol for mobile ad hoc networks,K Selvakumar, N Seethalakshmi,Cluster Computing 22 (5), 11989-11995
23. Contrast for QOS based clustered energy efficient protocol with PSO and multi-hop gateways in wireless sensor network,K Selvakumar, RM Arieth,Cluster Computing 22 (5), 11883-11890
24. Escalating quality of services with channel assignment and traffic scheduling in wireless mesh networks,K Selvakumar, G Revathy,Cluster Computing 22 (5), 11949-11955
25. The sun salutation practices on body mass index among rural school boys,K Selvakumar, M Parthasarathy, S Das,The sun 1 (2)
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27. Influence of yogic practice on flexibility among college students,K Selvakumar, P Yoga,Indian Journal of Applied Research 9 (7), 45-46
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31. Design of human blood sensor using symmetric dual core photonic crystal fiber,CS Boopathi, KV Kumar, S Sheebarani, K Selvakumar, ANZ Rashed,Results in Physics 11, 964-965
32. CLOUD COMPUTING-TMACS: A Robust and Verifiable Threshold Multi-authority Access Control System,K Selvakumar, L SaiRamesh, S Sabena, G Kannayaram,Smart Intelligent Computing and Applications: Proceedings
33. Optimization of multilayer earth structure by using steepest descent method and estimation of transient ground potential rise in substation,RT Senthilkumar, K Selvakumar, K Nagaraian,2018 IEEE PES Asia-Pacific Power and Energy Engineering Conference

34. Simulation of Single Phase 3-level Z-source NPC Inverter with PV System,R Palanisamy, K Selvakumar, D Selvakumar, D Karthikeyan, U Nayak,Telkomnika 16 (5), 2293-2301
35. Channel Assinment Using Tabu Search in Wireless Mesh Networks,K Selvakumar, G Revathy,Wireless Personal Communications 100 (4), 1633-1644
36. INCREASING QUALITY OF SERVICES IN WIRELESS MESH NETWORKS,K Selvakumar, MG Revathy,International Journal of Advanced Research in Computer Engineering ...
37. Scalable and Secure Dynamic Key Management and Channel Aware Routing in Mobile Adhoc Networks,N Seethalakshmi, K Selvakumar,Indonesian Journal of Electrical Engineering and Informatics (IJEI) 6
38. Avoidance of Congestion using Higher Priority based application specific congestion control clustering protocol with Leaky Bucket Algorithm in WSN,K Selvakumar, RM adonnaArieth,International Journal of Pure and Applied Mathematics 119 (15), 347-354
39. Influence of intensive interval training on flexibility among college students,P Yoga, S James Rathinaraj, K Selvakumar,International Journal of Advanced Education and Research 3 (6), 72-73
40. Changes of vertical jump through maximal power training among college men handball players,K Selvakumar, P Yoga,International Journal of Yogic Human Movement and Sports Sciences 3 (2), 438-439
41. Space vector pulse width modulation for 3-phase matrix converter fed induction drive,D Sattianadan, R Palanisamy, K Vijayakumar, D Selvakumar,Journal of Engineering Technology 6 (1), 66-83
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44. Cso based solution for load kickback effect in deregulated power systems,K Selvakumar, K Vijayakumar, CS Boopathi,Applied Sciences 7 (11), 1127
45. Demand response unit commitment problem solution for maximizing generating companies' profit,K Selvakumar, K Vijayakumar, CS Boopathi,Energies 10 (10), 1465

46. Enhancing the LVRT Capability and Mitigation of Power Quality Issues Using UPQC of a Grid Connected Wind Conversion System,CS Boopathi, K Selvakumar, A Dutta,Indonesian Journal of Electrical Engineering and Computer Science 7 (3), 643-654
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52. Simulation and Modelling of 5-Level Single Phase Z-Source based Cascaded Inverter,R Palanisamy, K Vijayakumar, K Selvakumar, D Karthikeyan, Indian Journal of Science and Technology 9 (43)
53. Real-time vision based driver drowsiness detection using partial least squares analysis,K Selvakumar, J Jerome, K Rajamani, N Shankar,Journal of Signal Processing Systems 85 (2), 263-274
54. Increasing throughput using mmf flow optimization in wireless mesh networks,K Selvakumar, G Revathy,2016 IEEE International Conference on Advances in Computer Applications
55. Voltage Stability Assessment using Artificial Neural Networks,K Selvakumar, CS Boopathi, MS Harsha,Indian Journal of Science and Technology 9 (38)
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