

LIST OF CONFERENCE PUBLICATIONS

2021

1. Dr. R. Ramaprabha, ASSP/EEE, V. Aadhavan, K. Arun and, V. Arun (UG students, 2020 passed out), "Implementation of 15 Level Cascaded H-H-T Multilevel Inverter" 7th International Conference on Electrical Energy Systems – 2021 (ICEES2021) during Feb 11-13, 2021, Department of EEE, SSN College of Engineering. –Presented by Dr. R. Ramaprabha on Feb 13, 2021
2. Dr.R.Seyezhai and Dr.D.Umarani presented the paper titled "Thermographic Analysis of Photovoltaic Quasi ZSource Multilevel Inverter" in the International conference on Smart Technologies in Electric Vehicles and Power Grid organized by Sri Venkateshwara College of Engineering on 27-29th January, 2021. This paper received the **BEST PAPER AWARD**.
3. Dr.R.Seyezhai, Dr.D.Umarani and Ms.E.Maheswari presented the paper titled "Design of Regulator Circuit for Medical Equipments Using Power Electronics Converter" in the International conference on Electrical Energy Systems organized by Sri Sivasubramaniya Nadar College of Engineering on 11-13th February, 2021.
4. Vivek P and Muthuselvan N B presented a paper titled, "Investigation on Photovoltaic System Based Asymmetrical Multilevel Inverter for Harmonic Mitigation", at 7th International Conference on Electrical Energy Systems, conducted by dept of EEE, SSNCE on 12-02-2021.
5. Sriharan Sathish and N. B. Muthu Selvan presented a paper titled, "A Functionally Reconstructed and Refined Power Flow Algorithm For Facts Devices", at 7th International Conference on Electrical Energy Systems, conducted by dept of EEE, SSNCE on 12-02-2021.
6. Dr. V. Thiyagarajan, ASSP/EEE, presented a paper "Mathematical Modeling and Simulation Analysis of Isolated Hybrid AC/DC Microgrids", in the 7th International Conference on Electrical Energy Systems (ICEES -2021), organized by Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam during 11.02.2021 -13.02.2021.
7. R. Tamizh Selvan, Research Scholar/EEE, V. Thiyagarajan, ASSP/EEE and M. S. Vivek, Research Schoalr/ Chemical, " Optimal Design and Analysis of Fuel Cells for Low Power Applications", in the 7th International Conference on Electrical Energy Systems (ICEES - 2021), organized by Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam during 11.02.2021 -13.02.2021.
8. Dr.R.Seyezhai, ASSP/EEE & A.Indumathi (Passed out PG Students), presented a paper titled, "Examination Of High Gain Interleaved Boost DC-DC Converter For Auxiliary Power Supply Systems" in the IEEE Sponsored International Conference on Electrical Energy Systems ICEES -2021 organized by the department of EEE, SSN College of Engineering, Kalavakkam on 13.02.2021.

9. Dr.R.Seyezhai, ASSP/EEE & A.Indumathi (Passed out PG Students), presented a paper titled, "Investigation Of Single Stage Pfc Integrated Ripple Free Led Driver Without Electrolytic Capacitor" in the IEEE sponsored International Conference on Electrical Energy Systems ICEES -2021 on 13.02.2021.
10. Dr.R.Seyezhai, ASSP/EEE & Dr.A.Bharathi Sankar (AP/VIT/SENSE) presented a paper titled, "ENERGY HARVESTING FOR SELF-POWERED WEARABLE DEVICE APPLICATIONS", in the The 2nd International Conference on Microelectronic Devices, Circuits and Systems (ICMDCS 2021) held at the Vellore Institute of Technology (VIT), Vellore India from 11th to 13th February 2021.
11. Saravanan P, Anbuselvi M, "PSO-GRNN based optimal design of switched reluctance motor for electric vehicle", presented in ICEES-2021, International conference at Dept. of EEE, SSNCE
12. Saravanan P, Anbuselvi M, "Design of an adaptive fuzzy logic speed controller for SRM drive", presented in ICEES-2021, International conference at Dept. of EEE, SSNCE.
13. Dr. S.Tamilselvi (Associate Prof/EEE), N. Karuppiah, J. Shanmugapriyan, presented a paper titled "PIC controlled hardware model realization for frequency regulation in power plants", IEEE sponsored '3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021)' held during February 4 – 6, 2021 at Francis Xavier Engineering College, Tirunelveli, IEEE XPLORE ISBN: 978-0-7381-1183-4.
14. Dr.R. Seyezhai, ASSP/EEE & Dr.M.Tamilarasi (passed out full-time research scholar) presented a paper titled, "Implementation of Chaotic PWM method for Four phase Interleaved Boost Converter" in the International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2021) organized by the Department of Electronics, Goa University, Goa, India during 19 - 20, March 2021.
15. Dr.R.Seyezhai, ASSP/EEE, S.Harika (full-time research scholar) R.Ramya, R.Swetha & Shanmughapriya (IV Year EEE B) presented a paper titled, "Simulation of AC-DC Bridgeless PFC Buck-Boost Single Phase On-Board Charger For Plug-In Converter for PHEV Electric Vehicles", Virtual International conference on Power Initiatives -ICPI-2021 organized by K.Ramakrishnan College of Engineering, Tiruchirappalli during March 29-30,2021.
16. Dr. V. Thiyagarajan, ASSP/EEE, Roshan Darran R, (II Year/EEE), Vallabagurunath M, (II Year/EEE) and Rufus Derrick R (II Year/MECH) has presented the paper titled "Utilization of Arduino Based System in developing Smart Street Light" in the National Conference & Exhibition "NCEEITET 2021" organized by Government College of Engineering & Technology, Jammu in technical collaboration with Indian Institute of Technology, Kharagpur during 23/04/2021 - 24/04/2021.

17. R Rengaraj (ASSP/EEE), G R Venkatakrishnan (ASSP/EEE), S Shalini (Student/EEE), R Subitsha (Student/EEE), S Suganthi (Student/EEE) and S Sushmita Carolyn (Student/EEE) presented a paper titled "Identification and classification of faults in underground cables – A review" in the third International Conference on Materials Science and Manufacturing Technology (ICMSMT 2021) held at Coimbatore, during April 15 – 16, 2021.
18. Balaji.M (Associate Professor/EEE) , Senthil V ,Pathmasanker P K ,Sathish Kumar S (UG Students) presented a paper titled "Fault Analysis and Reconfiguration of BLDC Motor Drive" in International Conference on Advances in Materials, Computing and Communication Technologies organised by Annai Vailankanni College of Engineering on 10.4.2021
19. Dr Mrunal Deshpande presented a paper titled "Renewable energy and reluctance motor for farming" in International Conference on Advances in Materials, Computing and Communication Technologies organised by Annai Vailankanni College of Engineering on 10.4.2021
20. R. Ramaprabha, V. Aadhavan, K. Arun, V. Arun, "Development of 15 Level Cascaded H-H-T Multilevel Inverter", International Conference on Advances in Materials, Computing and Communication Technologies (ICAMCCT 2021) on April 10, 2021, Annai Vailankanni College of Engineering (AVCE), AVK Nagar, India – Presented by all
21. R. Ramaprabha, T. Tamilselvi and V. Kowsalya, "Implementation of Simple Low Cost PV Panel Characterization Kit using Arduino" International Conference on Advances in Materials, Computing and Communication Technologies (ICAMCCT 2021) on April 10, 2021, Annai Vailankanni College of Engineering (AVCE), AVK Nagar, India –Presented by all
22. Leo Raju, A Swetha, C K Shruthi and J Shruthi presented a paper titled "Implementation of Demand Response Management in Microgrids using IoT and Machine learning" in the Virtual International Conference on Intelligent Computing and Control Systems (ICICCS-2021), held at Vaigai College of Engineering, Madurai, during 6-8, May,2021.
23. Sai Eswari.G , Pratig Ram.R , Vinay Joseph Goliad,Shakti Praneetha , V.Rajini, presented a paper titled" Comparison of transformerless inverters for photo voltaic applications, " international conference on emerging electrical system and control, 2021, Sethu institute of technology on may 7 2021
24. R Rengaraj (ASSP/EEE), G R Venkatakrishnan (ASSP/EEE), K. Sabarai Viswanth (Student/EEE), M. Praveen Kumar (Student/EEE), V. Sivaraman (Student/EEE) and S. Pavas Krishnan (Student/EEE) presented a paper titled "Real Time Dynamic Home Surveillance Using Raspberry Node" in the International Virtual Conference on Power, Information and

Communication (ICPIC 2021) held at PSN College of Engineering & Technology, on May 12, 2021.

25. Dr.R.Seyezhai, ASSP/EEE, A.Bharathi Sankar (AP/VIT, Chennai) R.Ramya, R.Swetha & Shanmughapriya (IV Year EEE B) presented a paper titled, "Simulation and Analysis of AC-DC PFC Power Converter Topologies for PHEV", International Conference on "Innovations and Technological Developments in Electronics, Computers, and Communication (ITDECC- 2021) ,SRM Institute of Science and Technology, Ramapuram Campus, Chennai during May 17-18,2021.
26. Dr.R.Seyezhai, ASSP/EEE, Dr.N.Hemalatha, AP/Saveetha University, "Analysis and Simulation of Control Strategies of Modified Capacitor assisted Extended Boost QZSI", presented a paper titled ,International Conference on "Innovations and Technological Developments in Electronics, Computers, and Communication (ITDECC- 2021) ,SRM Institute of Science and Technology, Ramapuram Campus, Chennai during May 17-18,2021.
27. Dr.R.Seyezhai, ASSP/EEE, S.Devi(Full-time research scholar), N.Harish, S.S.Harshad, V.Bharath & V.Bharath Vishal (II Year EEE, B) presented a paper titled, "Study of split source inverter for Photovoltaic systems", International Conference on "Innovations and Technological Developments in Electronics, Computers, and Communication (ITDECC- 2021) ,SRM Institute of Science and Technology, Ramapuram Campus, Chennai during May 17-18,2021.
28. Dr. R Deepalaxmi, R Priyavasini, J.B. Shivani, N.Srija presented their paper titled "Microcontroller Based Condition Monitoring System for Induction Motor" at 20th National Conference on Science, Engineering and Technology "Innovations and SMART Technologies" at Vellore Institute of Technology ,Chennai on 07-06-2021. They received best paper award.
29. Dr. V. Thiyagarajan, ASSP/EEE, "New Asymmetric 75-Level Inverter Topology with Minimum Circuit Components", in the International Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2021) organized by AMET Deemed to be University, Chennai during 17/06/2021 - 18/06/2021 (Received BEST PAPER AWARD).
30. R. Ramaprabha, ASSP/EEE , J. Kalpesh, C. Karthik Rajan and R. Niranjana (UG students), "Design, Modelling and Testing of Flywheel Energy Storage System for Microgrid Applications" 1st International Green Energy Mobility Conference, May 30-31, 2021, Department of Automobile Engineering, SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India – Presented by all on May 30, 2021.-Updated on June 01, 2021.

31. Balaji.M (Associate Professor/EEE) , Senthil V ,Pathmasanker P K ,Sathish Kumar S (UG Students) presented a paper titled "Condition Monitoring of BLDC motor drive" in International Green Energy Mobility Conference organised by Department of Automobile Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai during 30 May -1 June 2021.
32. Venkatakrisnan Sutharsan, Alagappan Swaminathan,Saisrinivasan RamachandranMadan Kumar Lakshamanan, Balaji M (Associate Professor/EEE) presented a paper titled "Electroencephalogram Signal Processing with Independent Component Analysis and Cognitive Stress Classification using Convolutional Neural Networks" in 9th International Conference on Recent Trends in Computing organized by Department of Computer Science and Engineering,SRM Institute of Science and Technology,Ghaziabad,Uttar pradesh on 5th june 2021
33. Dr.R.Seyezhai, ASSP/EEE , Dr.M.Tamilarasi, AP/AMITY University, Chennai & Mr.M.Vimalraj, AP/EEE, Adhiparasakthi College of Engineering, Kalavai presented a paper titled, "FLC Implementation on Four Switch Three-phase Inverter fed IM drives" in the International Conference on Innovations and Research in Marine Electrical & Electronics Engineering,ICIMREEE -2021 during 17.06.2021 to 18.06.2021.
34. Dr.R.Seyezhai, ASSP/EEE, M.Sridhar, (Full-time research scholar), S.Sridhar, Swetha R & Srikirthi (IV Year EEE B) , presented a paper titled , "Investigation on Single-stage AC-DC PFC converter for Solid State Lighting", in the National Conference on Emerging Trends in Smart Grids & Electric Vehicle Technologies KLN University during June 28-29,2021.
35. Dr. U. Shajith Ali, Associate Professor presented a paper titled "Dual Input Quasi Z-Source DC to DC Converter" in International Conference on Technology and Policy in Energy & Electric Power (ICT-PEP 2021), organized by PT PLN (Persero) Pusat Penelitian dan Pengembangan Ketenagalistrikan, Jakarta, Indonesia on 30th September 2021. (Included in IEEE Xplore)
36. "Preetha.C (M.E Student) and M.Balaji presented a paper titled ""Design and Analysis of Permanent Magnet Synchronous Motor"" in 2nd International e-conference on Challenges and Opportunities in Renewable Energy, Smart systems and E- mobility (ICCORSE-2021),organised by Easwari Engineering College"
37. Dr.R.Seyezhai, Prof/EEE, T.Sarumathi,(PG) & S.Devi (Full-time research scholar) "Design of Multiphase Boost Converter for Electric Vehicle Applications" in the third International Conference On Current Research In Engineering & Technology (3 RD ICCRET-2021) Organized by International Institute of Research in Multidisciplinary Skill Development Trust, Chirala, Andhra Pradesh, India on 10.10.2021.This paper received THE BEST PAPER AWARD.

38. "Vidhya S ,Balaji M and Kamaraj V presented a paper titled ""Power Quality Data Mining using Hybrid Feature Extraction Technique""XVIII Control Instrumentation System Conference Organized by Department of Instrumentation & Control Engineering,Manipal Institute of Technology".
39. Rajini V, Nagarajan V Sa, Bharath Kumar Sa, Barathkumar Ma, Balaji Ra, Manojshyaam presented a paper titled,“Comparative analysis of Synchronous Reluctance Motor with different Permanent Magnet Materials” IC on Energy Materials Metallurgy and Manufacturing ICEMMM22 on dec 17 organised by Dept of Mechanical Engg, SSNCE
40. Dr.R.Seyezhai, Ms.S.Devi, (Full-time research scholar), “Comparative Analysis of Si, SiC and GaN based Quasi Impedance Source Inverter” in Second International Conference on Engineering Materials, Metallurgy And Manufacturing (ICEMMM 2021) organised by Department of Mechanical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai on 16th December, 2021 and 17th December, 2021
41. R.Seyezhai, .A.Bharathi Sankar, “Simulation and Hardware Development of AC -DC Power Converter for Off- Board Charger of EV” in Second International Conference on Engineering Materials, Metallurgy And Manufacturing (ICEMMM 2021) organised by Department of Mechanical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai on 16th December, 2021 and 17th December, 2021.
42. R. Ramaprabha, T. Tamilselvi (PT RS) and V. Kowsalya (PG Student), “Implementation of Simple Low Cost PV Panel Characterization Kit using Arduino” International Conference on Advances in Materials, Computing and Communication Technologies (ICAMCCT 2021) on April 10, 2021, Annai Vailankanni College of Engineering (AVCE), AVK Nagar, India - – Presented by all
43. C. Karthik Rajan, R. Niranjana, J. Kalpesh (UG Students) and R. Ramaprabha, “Modelling Methodology of Flywheel Energy Storage System Suitable for Microgrid Applications” International Conference on Energy And Materials Technologies (ICEMT 2021), Aug 20-21, 2021, Department of Mechanical Engineering, SSN College of Engineering. –Presented by Dr. R. Ramaprabha on Aug 20, 2021 - Best Paper Award
44. R. Ramaprabha and E. Oliviya Joselin Komagal (PG Student), “An Extended Boost Topology of Z-Source Inverter for PV Interfacing” International Conference on Energy and Materials Technologies (ICEMT 2021), Aug 20-21, 2021, Department of Mechanical Engineering, SSN College of Engineering. –Presented by Dr. R. Ramaprabha on Aug 21, 2021.
45. R. Ramaprabha and N. Ramya Krishnan (PG Student), “31-Level RCC Multilevel Inverter for Photovoltaic System Interfacing” International Conference on Energy and Materials Technologies (ICEMT 2021), Aug 20-21, 2021, Department of Mechanical Engineering, SSN College of Engineering. –Presented by Dr. R. Ramaprabha on Aug 21, 2021

46. R. Ramaprabha and M. Suvedha, "Implementation of Transformerless Inverter for Photovoltaic Application", Third International Conference on Power and Embedded Drive Control (ICPEDC 2021), Aug 25 - 27, 2021, Department of Electrical and Electronics Engineering, SSN College of Engineering. – Presented by Dr. R. Ramaprabha on Aug 25, 2021
47. Deekshitha S, Ashwini M , Aishwarya Srinivasan (UG Students) and R. Ramaprabha, " Global Maximum Power Point Tracking of Photovoltaic Array Using Grey Wolf Algorithm", Third International Conference on Power and Embedded Drive Control (ICPEDC 2021), Aug 25 - 27, 2021, Department of Electrical and Electronics Engineering, SSN College of Engineering. – Presented by students on Aug 25, 2021
48. T. Saminathan (SSN-intership student) and R. Ramaprabha, " Global Maximum Power Point Tracking of Photovoltaic Array Using Simulated Annealing Algorithm", Third International Conference on Power and Embedded Drive Control (ICPEDC 2021), Aug 25 - 27, 2021, Department of Electrical and Electronics Engineering, SSN College of Engineering. – Presented by Saminathan on Aug 25, 2021
49. A. Anbazhagan (PT RS), K R Shanmuga Vadivu and R. Ramaprabha , " Reduction Of Inductor Current Ripple for PFC Converter Based On Auxiliary Winding ", Third International Conference on Power and Embedded Drive Control (ICPEDC 2021), Aug 25 - 27, 2021, Department of Electrical and Electronics Engineering, SSN College of Engineering. – Presented by Shanmuga Vadivu on Aug 26, 2021
50. Kahsu Gebrehans Gebreslassie (SSN-intership student), R. Ramaprabha and M. Balaji, "Simulation Study On Fault Detection And Classification Of Photovoltaic Array", Third International Conference on Power and Embedded Drive Control (ICPEDC 2021), Aug 25 - 27, 2021, Department of Electrical and Electronics Engineering, SSN College of Engineering. – Presented by Kahsu on Aug 26, 2021
51. Aryan (SSN-intership student) and R. Ramaprabha, " Simple Photovoltaic Curve Tracer Using Capacitor Charging Method", Third International Conference on Power and Embedded Drive Control (ICPEDC 2021), Aug 25 - 27, 2021, Department of Electrical and Electronics Engineering, SSN College of Engineering. – Presented by Aryan on Aug 27, 2021
52. R. Ramaprabha, Harini C, Krithika R, Mythili M and Nithishri B (UG Students), "MatLab Implementation of Single-Phase Grid-Connected PV system", Proceedings of 2nd International E-Conference on Challenges and Opportunities in Renewable Energy, Smart Systems and E- Mobility (ICCORSE-2021- ISBN Number: 978 - 93 - 5566 - 573 - 7), Oct 07-08, 2021, Department of Electrical and Electronics Engineering, Easwari Engineering College, Chennai, Tamilandu, India.–Presented by all on Oct 07, 2021.

53. V. Thiyagarajan, "Analysis of Quasi Y Source DC-DC Converter for Renewable Energy Applications" in the 7th International Mardin Artuklu Scientific Researches Conference, organized by IKSAD Institute, Turkey on 11/12/2021.
54. Sriram TS (IV Year / EEE), Tharun Prakash R (IV Year / EEE), Vignesh N (IV Year / EEE), V. Thiyagarajan, "Modified Symmetric Type Multilevel Inverter Topology with New Modulation Method" in the 7th International Mardin Artuklu Scientific Researches Conference, organized by IKSAD Institute, Turkey on 11/12/2021.
55. V. Thiyagarajan, "Symmetric Type 7-Level Inverter Module with Reduced Number of Circuit Components" in the 2nd International Conference on Engineering Materials, Metallurgy And Manufacturing ICEMMM 2021, organized by SSN College of Engineering, Chennai on 16/12/2021.
56. D. Ragul (Research Scholar / EEE), V. Thiyagarajan, "Fault Tolerant NPC Multilevel Inverter Using Improved Modulation Strategy and Machine Learning Techniques for Dynamic Conditions" in the International Cappadocia Scientific Research Congress, at Cappadocia, Turkey on 17/12/2021.
57. V. Thiyagarajan, "Analysis of Z-Source based High Step up DC-DC Converters for Renewable Energy Applications" in the ISPEC 12th International Conference on Engineering & Natural Sciences at Bingol, Turkey on 25/12/2021.
58. V. Thiyagarajan, "Comparative Analysis between Quasi-Z-Source and Quasi-Y-Source DC-DC Converter Topologies for Renewable Energy Applications" in the International Modern Scientific Research Congress -II at Istanbul, Turkey on 25/12/2021.
59. V. Thiyagarajan, "Performance Analysis of High Gain DC-DC Converters For Solar Photovoltaic Systems" in the AHI EVRAN International Conference on Scientific Research, organized by Kirsehir Ahi Evran University, Turkey on 30/11/2021.
60. V. Thiyagarajan, "Extendable Type Multilevel Inverter Topology with Reduction in Circuit Components and Voltage Stress" in the 1st International Architectural Sciences and Application Symposium (IArcSAS 2021) , organized by Isparta University from 27/10/2021 - 29/10/2021.