



CONFERENCE PUBLICATIONS 2021-22

| S.No. | Name of the Faculty | Title of Publication | Journal Name | Conference Name | Conference Details | DOI |
|-------|---------------------|---|--------------|---|---|--|
| 1 | Dr. T. Anuradha | 5G Network Virtualization for the Remote Driving Enhancement | IEEE Xplore | 2021 4th International Conference on Computing and Communications Technologies (ICCCT) | Sri Sai Ram Engineering College, Chennai from 16th to 17th December 2021. | DOI: 10.1109/ICCCT53315.2021.9711894 |
| 2 | Dr. T. Anuradha | Improving the Performance Efficiency of Village Pond Cleaner Using Arduino in the Basis of Bluetooth Controlled Process | IEEE Xplore | 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC) | Hindustan Institute of Technology, Coimbatore, 4 th -6 th august 2021 | DOI: 10.1109/ICESC51422.2021.9532762 |
| 3 | Dr. T. Anuradha | Broadcasting of IOT-connected automation vehicles in VANETS using artificial intelligence | IEEE Xplore | 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA) | RVS Technical Campus in Coimbatore, 2 nd -4 th December 2021 | DOI: 10.1109/ICECA52323.2021.9676127 |



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| 4 | Dr. T. Anuradha | Bidirectional Flyback DC-DC Converter for Solar PV - Battery System | IEEE Xplore | Computing, Communication and Green Engineering (CCGE), International Conference on | JSPM's Rajarshi Shahu College of Engineering, Pune 23 rd -25 th September 2021 | DOI: 10.1109/CCGE50943.2021.9776460 |
| 5 | Dr. T. Anuradha | Power Management on A Fuzzy Base Small Scale Microgrid Based on Hybrid Wind and Solar Battery | IEEE Xplore | 2021 3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N) | Galgotias College of Engineering and Technology in Greater Noida, India. 17 th -18 th December | https://ieeexplore.ieee.org/document/9725461 |
| 6 | Ms. M. Shanmugapriya | Evolution Of Outcome Based Engineering Education In India – A Case Study | IEEE Xplore | 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS) | Sri Eshwar College of Engineering in Coimbatore, March 19 th -20 th , 2021. | DOI: 10.1109/ICACCS51430.2021.9441676 |
| 7 | Dr. J.S. Prasath | Dynamic Key Generation Mechanism to Strengthen the Data Security | IEEE Xplore | 2021 International Carnahan Conference on Security Technology (ICCST) | Online hosted by University of Hertfordshire, Hatfield, UK | DOI: 10.1109/ICCST49569.2021.9717370 |



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| | | | | | 11-15 Oct. 2021 | |
| 8 | Dr. T. Anuradha | Optimization Strategies for High-Speed Electrical Trains Based on Artificial Intelligence for Cost and Energy Reduction | IEEE Xplore | 2022 International Conference on Electronics and Renewable Systems (ICEARS) | St. Mother Theresa Engineering College (MTEC) in Thoothukudi, Tamil Nadu, 16-18 March 2022 | DOI: 10.1109/ICEARS53579.2022.9752006 |
| 9 | Dr. T. Anuradha | Machine Learning for the Assessment of Transient Stability of Power Systems | IEEE Xplore | 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS) | Amrita Vishwa Vidyapeetham University in Coimbatore, Tamil Nadu 25-27 May 2022 | DOI: 10.1109/ICICCS53718.2022.9788363 |
| 10 | Dr. T. Anuradha | Performance Comparison of Various SPV Module Connections in Partial Shading Conditions | IEEE Xplore | 2022 8th International Conference on Smart Structures and Systems (ICSSS) | Saveetha Engineering College 21-22 April 2022 | DOI: 10.1109/ICSSS54381.2022.9782189 |
| 11 | Dr. T. Anuradha | Prediction of Maintenance Time and IoT Device Failures using Artificial Intelligence | IEEE Xplore | 2022 Second International Conference on Advances in Electrical, Computing, Communication and | Shri Shankaracharya Technical Campus (SSTC) in Bhilai, Chhattisgarh 21-22 April 2022 | DOI: 10.1109/ICAECT54875.2022.9808060 |



| | | | | Sustainable Technologies (ICAECT) | | |
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| 12 | Dr. T. Anuradha | The Performance Evaluation of Adaptive Energy Conservation Scheme Using IoT | Springer - Ubiquitous Intelligent Systems - Smart Innovation, Systems and Technologies | International Conference on Ubiquitous Computing and Intelligent Information Systems | Shree Venkateshwara Hi-Tech Engineering College, 25th February 2021 | https://link.springer.com/chapter/10.1007/978-981-19-2541-2_4 |
| 13 | Dr. T. Anuradha | Power Management on A Fuzzy Base Small Scale Microgrid Based on Hybrid Wind and Solar Battery | IEEE Xplore | 2021 3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N) | Galgotias College of Engineering and Technology in Greater Noida, India. 17-18 Dec. 2021 | DOI: 10.1109/ICAC3N53548.2021.9725461 |
| 14 | Dr. T. Anuradha | Bidirectional Smart Grid Communication Platform with Network Devices: A Case Study | IEEE Xplore | 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA) | Kumaraguru College of Technology in Coimbatore, 8-9 Oct. 2021 | DOI: 10.1109/ICAECA52838.2021.9675544 |



CONFERENCE PUBLICATIONS 2022-23

| S.No. | Name of the Faculty | Title of Publication | Journal Name | Conference Name | Conference Details | DOI |
|-------|---|--|--------------|--|--|---|
| 1 | Dr. T. Anuradha | Application of Synthetic Aperture Radar (SAR) based Control Algorithms for the Autonomous Vehicles Simulation Environment, | IEEE Xplore | 2022 International Conference on Edge Computing and Applications (ICECAA) | Gnanamani College of Technology in Namakkal, Tamil Nadu, 13 th -15 th October, 2022. | doi: 10.1109/ICECAA55415.2022.9936273 |
| 2 | Dr. T. Anuradha Edwin Emanuel Rajan Karthi C H Ramya R | Load based Fuzzy Controller for Bipolar Stepper Motor | IEEE Xplore | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA) | RVS College of Engineering and Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | 10.1109/ICIRCA54612.2022.9985770 |
| 3 | Dr. R. Murugan Parthasarathy P, Ragul Dayananth G J Umeshwaran B | Design of 24 Watts SEPIC DC-DC Converter for Renewable Source Applications | IEEE Xplore | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA) | RVS College of Engineering and Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | 10.1109/ICIRCA54612.2022.9985635 |
| 4 | Ms. R. Gayathri | Three Phase Buck Boost Converter with | IEEE Xplore | 2022 4th International | RVS College of Engineering and | DOI: 10.1109/ICIRCA54612.2022.9985770 |



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| | Hayma Varshine Y , Somasubharna K, Suraj D | PFC for Indian Rails | | Conference on Inventive Research in Computing Applications (ICIRCA) | Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | 2022.9985660 |
| 5 | Ms. A.V. Suganya Aaron Peter, S Mithun, Sooriyanarayanan | Medical Robot Docking System | IEEE Xplore | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA) | RVS College of Engineering and Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | DOI: 10.1109/ICIRCA54612. 2022.9985693 |
| 6 | Ms. B. Brindha Sakthi Thirukumaran, Divya Dharshan K, Kishore D | Design and Development of Grass Cutter using Solar Renewable Energy Source | IEEE Xplore | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA) | RVS College of Engineering and Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | DOI: 10.1109/ICIRCA54612. 2022.9985636 |
| 7 | Ms. Jitha Varghese Arish T, Janani R , Revathy T | A Smart Voltage Control Strategy using SEPIC Converter for DC Microgrid | IEEE Xplore | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA) | RVS College of Engineering and Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | DOI: 10.1109/ICIRCA54612. 2022.9985610 |



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| 8 | Mr. A. Arvin Tony Ashwin J , Santhana Bharathy R, Sathish Kumar U | Design of Energy Management System for College Campus | IEEE Xplore | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA | RVS College of Engineering and Technology in Coimbatore, Tamil Nadu, 21 st -23 rd Sept. 2022 | DOI: 10.1109/ICIRCA54612. 2022.9985527 |
| 9 | Dr. T. Anuradha | Global Identification Passport: A Unique Cloud based Passport Model | IEEE Xplore | 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT) | Francis Xavier Engineering College, Tirunelveli, 23 rd -25 th , January 2023 | DOI: 10.1109/ICSSIT55814.2 023.10061108 |
| 10 | Dr. T. Anuradha | Voltage and Frequency Control of a PV-Battery-Diesel Generator based Standalone Hybrid System | IEEE Xplore | 2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) | Malaviya National Institute of Technology (MNIT) Jaipur, Rajasthan 14 th -17th December 2022 | 10.1109/PEDES56012.2 022.10080764 |
| 11 | Dr. T. Anuradha | Power Quality Improvement of Hybrid Standalone Microgrid with DSTATCOM during Faults on Distribution Line | IEEE Xplore | 2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) | Malaviya National Institute of Technology (MNIT) Jaipur, Rajasthan 14 th -17th December 2022 | DOI: 10.1109/PEDES56012.2 022.10080027 |



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| 12 | Ms. B. Brindha Sakthi Dr. P. Deiva Sundari | A Wireless Power Transfer (WPT) System for Series – Series Compensation topology in Electric Vehicle Battery Charging Applications | IEEE Xplore | 2023 IEEE 8th International Conference for Convergence in Technology (I2CT) | International Conference for Convergence in Technology (I2CT), Pune April 7 th -9 th , 2023. | DOI: 10.1109/I2CT57861.2023.10126399 |
| 13 | Mr. S. Balaji Dr. P. Deiva Sundari | COMSOL FEA Modeling of Square and Circular coil for Inductive Power Transfer in Electric Vehicle Systems | IEEE Xplore | 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) | Shri Shankaracharya Technical Campus (SSTC) in Bhilai, Chhattisgarh, India. 5-6 Jan. 2023 | DOI: 10.1109/ICAECT57570.2023.10117968 |



CONFERENCE PUBLICATIONS 2023-24

| S.No. | Name of the Faculty | Title of Publication | Journal Name | Conference Name | Conference Details | DOI |
|-------|---------------------|---|--------------|---|--|---|
| 1 | Dr. T. Anuradha | The State-of-the-art Energy Management Strategy in Hybrid Electric Vehicles for Real-time Optimization | IEEE Xplore | 2023 International Conference on Inventive Computation Technologies (ICICT) | Tribhuvan University, Nepal, 26 th -28 th April 2023 | https://ieeexplore.ieee.org/document/10134496 |
| 2 | Dr. T. Anuradha | Simulation of the Electrical Control Unit (ECU) in Automated Electric Vehicles for Reliability and Safety Using On-Board Sensors and Internet of Things | IEEE Xplore | 2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT) | Velalar College of Engineering and Technology in Erode, from 22 nd - 24 th February, 2023. | DOI: 10.1109/ICECCT56650.2023.10179682 |
| 3 | Dr. T. Anuradha | Pattern Recognition and Modelling in Electrocardiogram Signals: Early Detection of Myocardial Ischemia and Infraction | IEEE Xplore | 2023 2nd International Conference on Edge Computing and Applications (ICECAA) | Gnanamani College of Technology, Namakkal, Tamil Nadu, 19 th -21 st July, 2023. | 10.1109/ICECAA58104.2023.10212133 |
| 4 | Dr. T. Anuradha | Evaluation of a Wireless Sensor Network for the Detection of Forest Fires | IEEE Xplore | 2023 2nd International Conference on Edge Computing and Applications (ICECAA) | Gnanamani College of Technology, Namakkal, Tamil Nadu, 19 th -21 st July, 2023. | 10.1109/ICECAA58104.2023.10212390 |



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| 5 | Dr. T. Anuradha | Analysis of Electroencephalographic Signals to Study the Behavior of Brain Frequencies for the Study of Academic Stress | IEEE Xplore | 2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS) | Online, 11 th –13 th December, 2023 | DOI:10.1109/ICACRS58579.2023.10404760 |
| 6 | Dr. T. Anuradha | Conceptualization of a Cardiac Monitoring System via Bluetooth Communication Protocol to Mobile Devices | IEEE Xplore | 2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT) | REVA University, Bengaluru, 4 th -6 th , January 2024 | DOI:10.1109/IDCIoT59759.2024.10467457 |
| 7 | Dr. T. Anuradha Ms. A V Suganya | Development of a Grid-Connected Microinverter Based on the Integration of the CUK Converter with a Switchgear Structure | IEEE Xplore | 2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT) | REVA University, Bengaluru, 4 th -6 th , January 2024 | 10.1109/IDCIoT59759.2024.10468042 |
| 8 | Dr. T. Anuradha | Traffic Sign Detection Problems using Convolutional Neural Techniques in Image Processing | IEEE Xplore | 2024 International Conference on Intelligent Systems for Cybersecurity (ISCS) | The Northcap University. 3 rd -4 th May 2024 | DOI: 10.1109/ISCS61804.2024.10581183 |
| 9 | Ms. Jitha Varghese | FLC Control Based Sepic for Power Factor Correction | IEEE Xplore | 2024 5th International Conference on Innovative | Indian Institute of Information Technology (IIIT) Kottayam, Kerala, | DOI: 10.1109/ICITIIT61487.2024.10579988 |



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| | | | | Trends in Information Technology (ICITIIT) | 15 th –16 th March, 2024 | |
| 10 | Dr. T. Anuradha | Thyroid Nodule Classification Model from Scintigraphy Images using Convolution Neural Networks | IEEE Xplore | 2024 5th International Conference on Innovative Trends in Information Technology (ICITIIT) | Indian Institute of Information Technology (IIIT) Kottayam, Kerala, 15 th –16 th March, 2024 | DOI: 10.1109/ICITIIT61487.2024.10580411 |



CONFERENCE PUBLICATIONS 2024-25

| S.No. | Name of the Faculty | Title of Publication | Journal Name | ConferenceDetails | Month & Year | DOI |
|-------|--|---|--------------|---|--|--|
| 1 | Ms. A. V. Suganya | Cascaded H-Bridge 15 Level Inverter with Reduced Switch Count | IEEE Explore | 2024 International Conference on Signal Processing and Advance Research in Computing (SPARC) | Amity University, Lucknow Campus, on 12-13 September, 2024. | DOI: 10.1109/SPARC61891.2024.10829305 |
| 2 | Dr. L. Pattathu Rani | Seagull Optimization Algorithm for Underwater Sensor Network Localization | IEEE Explore | 2024 IEEE International Conference on Communication, Computing and Signal Processing (IICCCS) | IEEE International Conference on Communication, Computing and Signal Processing (IICCCS) will take place in Asansol, on September 19 th - 20 th , 2024 | DOI: 10.1109/IICCCS61609.2024.10763890 |
| 3 | Dr.T.Anuradha Ayush Pandey, Mathi Yuvarajan T K | Automated machine learning for DC micro grid operation security | NA | ICEAI (International conference on evolutionary AI) 2024, Organized by RVS college of Engineering and Technology, | Taylor's University, Malaysia | NA |



| | | | | Coimbatore in association with. | | |
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| 4 | Bharath Raj S, Giridharan K, Kamaliga S | SEPIC Converter based EV Charger with improved protection function and battery management system | NA | International Conference on Communication and Electronics System ICCES 2024 16-18 December 2024 | PPG Institute of Technology, Coimbatore. | NA |
| 5 | Munnodi J, Tamilselvan B, Vaishnavi D | Cascaded 9 level inverter with reduced switch | NA | International Conference on Recent Trends and Development in Electrical and Power Engineering (ICRTDEPE 2024) | bharath institute of higher education and research | NA |
| 6 | Ameesh T, Ashwin D, Karthikraja C | Simulation and performance analysis of CCM Zeta converter with PIC controller | NA | International Conference on Globalization and Intelligent Educational Technology, | Annasaheb Dange College of Engineering and Technology (ADCET), Ashta, Maharashtra, India | NA |
| 7 | Arivasagan K, Ellangovan K, Jayaprakash Syam Prakash | Interleaved single input multiple output DC-DC converter for EV charging application | NA | International Conference on Communication and Electronics System ICCES 2024 16-18 December 2024 | PPG Institute of Technology, Coimbatore. | NA |



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| 8 | Ilakkiya C S, Inthira C S, Divakaran.K | IOT based automatic braking system for E- BIKES | NA | International Conference on Globalization and Intelligent Educational Technology, | Annasaheb Dange College of Engineering and Technology (ADCET 24), Ashta, Maharashtra, India | NA |
| 9 | Selvaraji N, Jaysriram.P, Sri Sivaraman K | Energy Conservation through Illuminance Control in Lighting Systems using Sensor-Based Arduino Control | NA | Conference on Globalization and Intelligent Educational Technology, Organized by | Annasaheb Dange College of Engineering and Technology (ADCET 24), Ashta, Maharashtra, India | NA |
| 10 | Dinesh S, Kishore Kumar A, Sasi Kumar S | Design and Implementation of Single-phase reduced switch 15 level inverter | NA | International Conference on Recent Trends and Development in Electrical and Power Engineering (ICRTDEPE 2024) | Bharath institute of higher education and research | NA |
| 11 | Allen Thomas B, Dineshkumar R A, Ekalaivan.V | A Novel Split Inductor High Gain SEPIC Convertor for Renewable Energy Application | NA | International Conference on Recent Trends and Development in Electrical and Power Engineering (ICRTDEPE 2024) | Bharath institute of higher education and research | NA |



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|----|---|--|----|---|---|----|
| 12 | Premkumar M, Anirban Manna, Ragulraj.B | EV battery management system with charger monitoring and fire protection | NA | International Conference on Recent Trends and Development in Electrical and Power Engineering (ICRTDEPE 2024) | Bharath institute of higher education and research | NA |
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