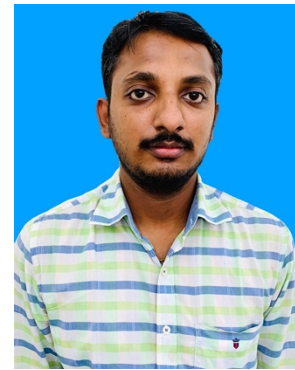


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QUALIFICATION:

UG: B.E., Electrical and Electronics Engineering, Karunya University, May' 2011.

PG: M.E., Power Electronics and Drives, Easwari Engineering College, May' 2013.

Ph.D.: pursuing research work in the area of Power Quality Improvement

RESEARCH INTEREST:

- Power Quality Improvement using Dynamic Voltage Restorer
- Power Electronics application in power systems
- Electric Vehicles

ACADEMIC EXPERIENCE:

- Assistant Professor (O. G), SRM Institute of Science and Technology Ramapuram
July 2013- till date

PUBLICATION IN JOURNAL:

WEB OF SCIENCE JOURNAL

- **Ajay Daniel J**, Moovendan, M, Mohanbabu, A, Senthilkumar, V, Lakshmipriya, M, "Advancement of a Hybrid Energy Storage Framework (HESS) For Electric and Plug-in Hybrid Electric Vehicles: A Modern Control Technique" Journal of Pharmaceutical Negative Results, 2022, 13, pp. 1563–1569

SCOPUS JOURNALS

- Vinil, M, Ramya, G, Moovendan, M, **Ajay Daniel J**, "Reactive Power Injection To Grid Using Transformer-Less MOSFET Based Single Phase Inverter Using Pv To Achieve High Efficiency" ECS Transactions, 2022, 107(1), pp. 5305–5316

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- Vignesh Babu, A, **Ajay Daniel J**, Ganesh, V.N, Balaji, S., Ramya, G, “Enhanced Hybrid Touch Screen Display for Industrial Applications” Lecture Notes in Electrical Engineering, 2022, 795, pp. 517–526
- S. Balaji, V. N. Ganesh, **J. Ajay Daniel**, D. Siva Kumar, “Integration Of Fully Reconfigurable Single-Inductor DC/DC Converter With AC grid For Renewable Energy Applications” ARPN Journal of Engineering and Applied Sciences(ARPN), Vol 14, Issue 16, August 2019.
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- Jeffin James, R. Dhinesh, S. Balaji, J. Ajay Daniel, “Remote Power Transmission Utilizing Class E-power Amplifying Device from Solar Input” International Journal of Recent Technology and Engineering (IJRTE), Vol 8, Issue 1S4, June 2019.
- Dipraj Ghosh, Mohammad Aheraz Bin Muslim, **J. Ajay Daniel**, V.N. Ganesh, “Integration of Renewable Resources for Electric Vehicles and Implementation of Artificial Intelligence” International Journal of Recent Technology and Engineering (IJRTE), Vol 8, Issue 1S4, June 2019.
- R. Aarthi, S. Haritha, V.N. Ganesh, **J. Ajay Daniel**, “Increasing Efficiency of Solar Panel using Grid Connected Micro Inverters and Orientation” International Journal of Recent Technology and Engineering (IJRTE), Vol 8, Issue 1S4, June 2019.
- V N. Ganesh, **J Ajay Daniel**, D Sivakumar, S Balaji, “Optimization of dc-bus voltage regulation with grid connected single phase bi-directional converter”, International Journal of Engineering & Technology Vol 9, Issue 33, 2018, 409-415.
- **Ajay Daniel J**, Ganesh, V.N., Dilli Srinivasan, J, “Harmonic elimination using generalised unified power quality conditioner”, International Journal of Control Theory and Applications Volume 9, Issue 2, 2016, Pages 597-605

PATENT:

- Patent Number: **202341032697 A**
Title of invention: **System for Ensuring the Safety of School-Age Passengers Using Esp32**
Published on: 23/06/2023
- Patent Number: **202341026218 A**
Title of invention: **Autonomous Camera-Equipped Patrol Robot With Lidar For Efficient And Safe Security Monitoring**
Published on: 26/05/2023

- Patent Number: **202241074372 A**

Title of invention: **Supervisory Control, Monitoring, and Data Acquisition for Remote Industry using Arduino**

Published on: 30/12/2022

- Patent Number: **202241047142**

Title of invention: **System And Design Of Wind-Induced Pressure Prediction On Tall Buildings For Smart City**

Published on: 26/08/2022

RESPONSIBILITIES

- Part Time Co Ordinator for the year 2014 – 2015
- Class In-charge for 2013 batch, 2018 batch and 2022 Batch
- Co Ordinator for IE(I) India for the past 7 years in the department of EEE and ECE
- Anti-ragging Co Ordinator for EEE Department.
- Lab In-charge for Machines Lab during the year 2017- 2018
- Assistant for Director General between the year 2015 - 2016