

Mrs. J. Rajeswari, M.E.,

Assistant Professor- EEE Department

Velammal College of Engineering and Technology, Madurai

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Educational Qualification:

- **M.E** in Communication Systems from Sri Venkateswara College of Engineering, Sriperumbudur in June 2011.
- **B.E** in Electronics and Communication Engineering from Kamaraj College of Engineering and Technology, Virudhunagar in April 2009.

Experience in Years:

- 9 years 2 months as Assistant Professor in Velammal College of Engineering and Technology.
- 4 months as Lecturer in Oxford Engineering College.
- 4 months as Assistant Professor in Dhaya College of Engineering.

Employment History:

- Assistant Professor in Velammal College of Engineering and Technology from February 2012 to till date.
- Lecturer in Oxford Engineering College from October 2011 to January 2012.
- Assistant Professor in Dhaya College of Engineering from June 2011 to September 2011.

Interested Research Areas:

- IoT
- Communication System

Scholarships and Awards received:

- Distinction in Using Open Educational Resources for Online Learning, The Pacific Centre for Flexible and Open Learning for Development (PACFOLD) and the Commonwealth of Learning (COL) during June 2020.
- Distinction in LifeSkills for Engineers conducted by Commonwealth Educational Media Centre for Asia (CEMCA) and the University of Hyderabad (UOH) from February 25 to April 13, 2020 Level 2.
- Elite grade in NPTEL course on Product design and innovation during October 2018.

- Elite grade in NPTEL course on Introduction to research during October 2017.

Funded Research Projects:

- Received Grant of Rs.1,00,000/- for SPICES scheme , AICTE during March 2021.
- Received Grant of Rs.30,000/- for Six days Anna University Sponsored FDTP on Transmission and distribution during November 2019.
- Received Grant of Rs.20,000/- for Energy awareness camp from TNSCST during May 2019.
- Received Grant of Rs.20,000/- for National Seminar from Institution of Engineers(India) during August 2017.
- Received Grant of Rs.40,000/- for “Entrepreneurship Awareness Camp” sponsored by Entrepreneurship Development Institute of India, Ahmedabad under the Department of Science & Technology, Govt. of India on Nov 2015.

Patent rights received:

Publications Details:

1. Patent Journal Publication Details:

2. International Journal Publication Details:

1. “Therapeutic prevention of Varicose veins and Deep vein Thrombosis”, Internal Research Journal of Modernization in Engineering Technology ad Science (IRJMETS), March 2021.
2. “Boat Surveillance and Classification of Fish using Neural Network”, International Research Journal of Engineering and Technology (IRJET), April 2020.
3. “Elucidation of Crop Diseases and Systematic Review of Farming Land”, International Journal for Research I Applied Science & Engineering Technology, March 2020.
4. “Virtual Blind Navigation Device with Interactive Assistance”, International Journal of Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), March 2019.
5. “IoT based Fire Extinguishing System with Visual Surveillance”, International Research Journal of Engineering and Technology (IRJET), March 2019.

6. "Robotic Vehicle Movement and arm Control Through Hand Gestures using Arduino", International Research Journal of Engineering and Technology (IRJET), April 2018.
7. "Automated Fire Quenching Robot with Visual Surveillance", International Journal for Scientific Research & Development (IJSRD), April 2018.
8. "A Co-operative Driving for Safer Travel using Vehicle to Vehicle Communication", International Journal of Latest Engineering Research and Applications (IJLERA), April 2017.
9. "Power Factor Correction Using Bridgeless Isolated CUK Converter", International Research Journal of Research and Technology, April 2016.
10. "Integration of Fire Safety System in Domestic Buildings using Wireless Sensor Network", International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE), March 2016.
11. "Network Traffic Reduction using a Hybrid Opto-Electronic Switch with Different Packet Classes", International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE), December 2015.
12. "A Smart Handheld Measuring and Testing Electronic Device with Touch Screen", International Journal of Engineering Research and Technology (IJTET), May 2015.
13. "Speed Control of BLDC Motor using Buck Converter", International Journal of Engineering & Technical Research (IJETR), April 2015.
14. "Analysis and Implementation of PI Controller for DC link single phase PWM Voltage Source Inverter", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), November 2014

3. International Conference Presentation Details:

1. "Zigbee Based Hazard Detecting Helmet", International Conference at Velammal College of Engineering and Technology, April 2017.
2. "Novel approach to Design on Algorithm for Concise Range Queries on Innovative Trends in Computing Technology", International Conference at The Rajaas Engineering College, March 2013.

4. National Conference Presentation Details:

1. “Control Strategy of Super conducting Magnetic Energy Storage System based Dynamic Voltage Restorer”, National Conference at Angel College of Engineering & Technology, March 2014.
2. “A Single Stage Grid Connected Reconfigurable Solar Converter in PV System”, National Conference at Srikrishna College of Engineering and Technology, March 2014 .
3. “Frame Synchronization Error Cancellation for Comb Type Pilot aided OFDM Systems”, National Conference at GKM college of Engineering & Technology, March 2012.

5. Google Scholar report: