


## Sri Sai Ram Engineering College

### Department of Electrical and Electronics Engineering

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| 1. Name : <b>D.ARULSELVAM</b>          |                        |
| 2. Designation:                        | AP-III   |
| 3. Qualification :                     | M. Tech  |
| 4. Area of Specialization :            | Power Electronics and Drives   |
| 5. Experience :                        | Teaching : <b>UG</b> : -12-years<br>PG :<br>Industry : Nil   |
| 6. No. of workshop :<br>FDP attended : | 2<br>11  |
| 7. Publication :                       | <b>Journal</b><br>National :<br>International :8<br><b>Conference</b><br>National : 1<br>International : |
| 8. Research Guidance :                 | -  |
| 9. General :                           | -  |
| 1 Staff Achievements:<br>0.            | -  |

## EXPERIENCE:

| Name of the Employer                  | Position Held       | Period                     |                            |
|---------------------------------------|---------------------|----------------------------|----------------------------|
|                                       |                     | From                       | To                         |
| Dhaanish Ahmed College of Engineering | Lecturer            | 8 <sup>th</sup> June 2010  | 14 <sup>th</sup> June 2011 |
| Sri Sai Ram Engineering College       | Assistant professor | 20 <sup>th</sup> June 2011 | till Date                  |

## WORKSHOP /FDP:

1. Faculty Development Programme on ‘MATLAB Applications in Electrical Engineering’ on Mar 2012 organised by the Department of Electrical and Electronics Engineering, Sri Sai Ram Engineering College.
2. Attended a seminar on “Current trends and Future role of “Renewable Energy” on 8<sup>th</sup> & 9<sup>th</sup> October 2013 Sponsored by AICTE at Sri Sai Ram Engineering College.
3. Presented a paper titled “Role of IDVR in Power System” in the National Level Conference on Emerging Trends in Micro/Nano Electronic Technology organized by SAVEETHA School of Engineering.
4. Attended the short term training programme on “**MATLAB simulation of Power Electronics Circuits**” on 21<sup>st</sup> to 23<sup>rd</sup> April 2015 organised by the Department of Electrical and Electronics Engineering, Sri Sai Ram Engineering College.
5. Attended the Faculty Development Programme on “Digital Simulation of Power Electronics Circuits Through PSPICE software on 15<sup>th</sup> to 18<sup>th</sup> August 2015 organised by the Department of Electrical and Electronics Engineering, Sri Sai Ram Engineering College.

6. Attended the Faculty Development Programme on “**Microcontroller Based System Design**” on 20<sup>th</sup> to 27<sup>th</sup> June 2016 organised by the Department of Electrical and Electronics Engineering, Sri Sai Ram Institute of Technology, Chennai.
7. Attended the Faculty Development Programme on “**Program on Electrical Simulation Software**” on 6<sup>th</sup> to 10<sup>th</sup> November 2017 organised by the Department of Electrical and Electronics Engineering, Sri Sai Ram Engineering College.
8. Attended the AICTE Sponsored Faculty Development Program on “**Design of Micro optical Components using Advanced Software Tool**” on 27<sup>th</sup> Nov to 9<sup>th</sup> Dec 2017 organised by the Department of Electrical and Electronics Engineering, Gandhi Institute for Technological Advancement
9. Attended the International Webinar on “**Research Opportunities in Power Systems employing advanced FACTS Controllers**” on 12<sup>th</sup> June 2020 conducted by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai
10. Attended the International Webinar on “**Power Conditioning System for Remote Micro grid and Reliability Assessment**” on 13<sup>th</sup> June 2020 organised by the Department of Electrical and Electronics Engineering Jerusalem College of Engineering, Chennai.
11. Attended the AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Program on “**Energy Audit**” organised by Vishwakarma Institute of Technology.
12. Attended the AICTE Sponsored Faculty Development Program on “**Advanced Power Electronic Applications in Power Systems**” organised by the Department of Electrical and Electronics Engineering, SASI Institute of Technology & Engineering, Tadepalligudem, West Godavari.
13. Attended the AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Program on “**ROBOTICS**” on 2<sup>nd</sup> to 6<sup>th</sup> November 2020 organised by Motilal Nehru National Institute of Technology Allahabad, Prayagraj.
14. Attended the AICTE Training And Learning (ATAL) Academy Sponsored Faculty Development Program on “**Inculcating Universal Human Values in Technical Education**” organized by All India Council for Technical Education(AICTE) from 12 July, 2021 to 16 July, 2021.

15. Attended the Faculty Development Program on 'Renewable Energy Systems Laboratory' on 26<sup>th</sup> to 29<sup>th</sup> Sep 2022 organised by SSN College of Engineering, Chennai.
16. Attended the Faculty Development Program on "**Research Innovations and Emerging Advances in Electrical Engineering**" on 05<sup>th</sup> to 12<sup>th</sup> Jan 2023. Organised by EASWARI engineering College.

#### **PATENT:**

"A Smart Bill Generator In A Digitalized Super Market ", published in the Official Journal of the Patent Office No.202041045439 on 30/10/2020.

"IOT Based Automated Toilbots " published in the Official Journal of the Patent Office No.202041045366 A on 19/10/2020.

"Smart Vehicle Run by Renewable Energy Generator published in the Official Journal of the Patent Office No. 348506-001 on 27/08/2021

#### **PUBLICATIONS**

**Voltage Sag Compensation Using Dynamic Voltage Restorer** International Journal of Engineering and Advanced Technology (IJEAT)  
ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019

**The Neoteric Solution for Addressing the Fire Accidents and Train Collisions** International Journal of Engineering and Advanced Technology (IJEAT)  
ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019

**Security and Health Monitoring System of the Baby in Incubator** International Journal of Engineering and Advanced Technology (IJEAT)  
ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019

**Smart Protection Scheme For Radial Distribution System Open Access** International Journal of Engineering and Advanced Technology (IJEAT)  
ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019

**Robotic Hand Gesture System with GSM and Camera Control** Journal of Critical Reviews ISSN- 2394-5125 VOL 7, ISSUE 04, 2020

**Analysis of Mineral Density in Bone Using Deep Learning and Smart Tracking System** International Conference on Communication, Computing and Internet of Things (IC3IoT).

**Precised and Efficient Mobile Solar Tracking System with amicable power consumption** 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS).

**Study of Various Machine Learning Algorithms for use with Automatic Speech Recognition** 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS).