



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Name : **Mr. R.DHANASEKAR**

Designation : ASSISTANT PROFESSOR

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Qualification : B.E., M.E.,(Ph.D)

Specialization : Power Electronics and Drives

Research Interest : Power Electronics, DC Drives and Control.

Experience in years : **Teaching** UG  PG  **Industry**

No. of Workshop/Conferences/  
FDP attended : Workshop  Conferences  FDP

No. of Workshop/Conferences/  
FDP Organized : Workshop  Conferences  FDP

Professional Membership	Member – IEEE, ISTE, IENG
Publications	National: JOURNAL-0, CONFERENCE-2
	International: JOURNAL 10-,CONFERENCE- 6
	Books - 0

Research Funded Projects	Received project from TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Patents	Published – 3, Granted -0
Achievements	Received award from SUVC Received award from DST-TEXAS INSTRUMENTS
Any Other Information	

### List of Publications:-

1. Published a paper titled “Simultaneous Ac and Dc Output Using Hybrid Converter Modeling” in International Journals of Power Electronics Controllers and Converters.
2. Published a paper titled “Ecofriendly hybrid E Vehicle” in International Journal Of Multidisciplinary Research Centre (IJMRC)
3. Published a paper titled “Power generation from microbial fuel cell” in International Journal of Analog Integrated Circuits.
4. Published a paper titled “Bidirectional intelligent semiconductor transformer” in Journal of Engineering and Fundamentals.
5. Published a paper titled “Sliding mode control of electric drives/review” in IEEE XPLORE doi: 10.1109/ICA-ACCA.2016.7778466
6. Published a paper titled “Microinverter with High efficiency snubber circuit for a Grid Interactive PV panel” in International Journal of creative research Thoughts (IJCRT) – UGC approved – Volume 6, Issue 1 January 2018 – ISSN: 2320-2882
7. Published a paper titled “ A Solar powered water pumping framework using switched Reluctance motor” in International Journal of creative research Thoughts (IJCRT) – UGC approved – Volume 6, Issue 1 January 2018 – ISSN: 2320-2882
8. Published a paper titled “Modified SEPIC Converter Based PV Inverter for Power Quality Improvement” in IEEE XPLORE doi: 10.1109/ICCPEIC.2018.8525223

9. Published a paper titled “Improved Source End Power Factor Enhancement of BLDC Motor Using Bridgeless-Landsman Converter” in IEEE XPLORE doi: 10.1109/ICCPEIC.2018.8525195
10. Published a paper titled “Third Order Sliding Mode Control of Buck Converter Fed Permanent Magnet DC Motor” in IEEE XPLORE

### **Workshop / Conferences / FDP Attended:-**

1. Attended one day National Workshop on “**Embedded Technologies in Special Machines**” held on 07.02.2012 at Easwari Engineering College.
2. Attended one day Workshop on “**Recent Trends in Renewable Energy**” held on 31.03.2015 at Sri Sairam Institute of Technology.
3. Attended IEEE sponsored 7<sup>th</sup> International conference on computation of power, Energy, Information and communication on 28<sup>th</sup> and 29<sup>th</sup> March 2018, paper titled “**Improved Source End Power Factor Enhancement of BLDC Motor Using Bridgeless-Landsman Converter**”
4. Attended IEEE sponsored 7<sup>th</sup> International conference on Informatics and computing in Engineering systems on 21 and 22 March 2018, paper titled “**Development of Mobile car Black box for Accident avoiding and reporting Embedded technology with synchronous action of vehicle control unit**”
5. Attended IEEE sponsored 7<sup>th</sup> International conference on Informatics and computing in Engineering systems on 21 and 22 March 2018, paper titled “**A Novel cascaded multilevel converter for battery energy management system**”
6. Attended International conference on Automatica ICA (IEEE ICS ACCA 2016 Curico,Chile ) with paper titled “**Sliding mode control of electric drives/review**” from 19.10.2016 to 21.10.2016.
7. Attended Third International conference on Innovative and Emerging Trends in Engineering and Technology (ICIETET 18) with paper titled “**A Review On Energy Pilferage and Its control strategies**” from 09.03.2018 to 10.03.2018.
8. Attended International conference on Automatica ICA (IEEE ICS ACCA 2019 Curico, Chile ) with paper titled “**Third Order Sliding Mode Control of Buck Converter Fed Permanent Magnet DC Motor**” from 17.10.2018 to 19.10.2018.
9. Attended National conference on “Communication and Nano Electronics Technology -2011” with paper titled “**Utility based joined physical MAC layer optimization in OFDM**” in Sri Sairam Institute of Technology from 12.10.2011 to 14.10.2011.

10. Attended National conference on “Power Electronics and Power Systems, MEPPCON -2006” with paper titled “**Design simulation and implementation of SPWM based UPS using DSP**” in Mepco Schlenk Engineering college from 03.02.2006 to 04.02.2006.
11. Attended National conference on “**Power Electronics and Drives, PEDC -2006**” with paper titled “**Implementing SPWM based single phase on-line UPS using DSP**” in AC college of Engineering & Technology on 08.03.2006.
12. Attended seven days FDP on “**Power Electronics**” held at College of Engineering, Guindy, Anna University from 01.06.2009 to 07.06.2009.
13. Attended two days FDP on “**Electromagnetic field theory & Transmission lines**” held at Sri Sairam Institute of Technology from 25.06.2015 to 26.06.2015.
14. Attended one day Online FDP ON “**Circuit simulation / PCB design Using Target 3001 software**” with DellSoft Technologies Pvt. Ltd on 31.07.16
15. Attended two days IET sponsored FDP on “**GREEN AND ENERGY EFFICIENT BUILDINGS WITH EMPHASIS ON POWER MANAGEMENT** ” at KCG College Of Technology on 15.06.2017 & 16.06.2017
16. Attended One week Anna University sponsored FDP ON “**EE6801 – ELECTRIC ENERGY GENERATION UTILIZATION & CONSERVATION**” at GKM college of Engineering and Technology from 27 November 2017 to 04<sup>th</sup> December 2017.
17. Attended two days FDP on “**Stress management** ” – NPTEL – AICTE , Aug – Sep-2018
18. Completed Online certification on “**Stress management**” – NPTEL – AICTE , Aug – Sep-2018
19. Attended five days Event on Solar E vehicle , SAUR URJA VEHICLE CHALLENGE -2019 from 27.02.2019 to 03.03.2019 at Hindusthan College of Engineering and Technology, Coimbatore

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