




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS

Faculty Name	MANASA S	
Designation	ASSISTANT PROFESSOR	
Educational Qualification	M.TECH (Ph.D)	
Experience in Years	6 YEARS	
Area of Interest	RENEWABLE ENERGY, MICROGRID, MULTILEVEL INVERTER	
Email ID	manasa.s.athresha@gmail.com	

Educational Details

- Ph.D- pursuing at RVCE under VTU, Area- Microgrid
- M.Tech in Power Electronics from DSCE (VTU)
- B.E in Electrical and Electronics from BNMIT(VTU)

Personal Details

- Date of Birth: 02-09-1987
- Hobbies: solving Sudoku puzzles, Embroidery work
- Languages Known: Kannada, English

Professional Experience

- Working as Assistant Professor in EEE Department, DSATM from July 2013 to till date.
- Worked as Assistant Professor in EEE Department at BNMIT from July 2012 to Jan 2013.
- Worked as Lecturer in EEE Department at DSCE from July 2011 to July 2012.

Publications

International Journals:

- “Design and Simulation of Three Phase Five Level and Seven Level Inverter Fed Induction Motor Drive with Two Cascaded H-Bridge configuration”, **International Journal of Electrical and Electronics Engineering (IJEEE)**, ISSN (PRINT): 2231 – 5284 Vol-1 Iss-4, 2012), held on 3rd and 4th May, 2012 at Dayananda Sagar college of Engineering, Bangalore
- “Modeling of D-STATCOM and DVR to enhance the Power Quality” **Undergraduate Academic Research Journal (UARJ)**, ISSN: 2278 – 1129, Volume-2, Issue-3,4, 2012, held on 3rd and 4th May 2012 at Dayananda Sagar college of Engineering, Bangalore

National Journals:

NIL

Conferences:**INTERNATIONAL**

- **“Solar PV Cell Interfaced With Grid Connected Multilevel Inverter For Distributed Power Generation”**, 3rd International Conference on Applied Science Engineering and Technology (ICASET-17), held on 18th - 19th May 2017, organized by Sri Sairam College of Engineering, Anekal, Bengaluru and Institute for Engineering Research and Publication(IFERP). DOI Number: 01.1617/vol4iss3pid0040074
- **“Advanced Pulse Width Modulation Techniques for Cascaded Multilevel Inverters”** has been presented and published in SECOND INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY AND INTELLIGENT SYSTEM (SEISCON 2011) , held on July 20-22, 2011 at Dr. M.G.R. University, Madhavoyal, Chennai, Tamil Nadu, India 2011 (PAGES 259-265 AVAILABLE IN IEEE DIGITAL LIBRARY).
- **“Design and Simulation of Three Phase Five Level and Seven Level Inverter Fed Induction Motor Drive with Two Cascaded H-Bridge configuration”** has been presented and published in **INTERNATIONAL CONFERENCE ON EMERGING INTELLIGENT SUSTAINABLE TECHNOLOGIES” (EISTCON-2012), held on 3rd and 4th May, 2012** at Dayananda Sagar college of Engineering, Bangalore **Vol-1 Iss-4, 2012 (pages 25-30)**
- **“Modeling of D-STATCOM and DVR to enhance the Power Quality”** has been presented and published in **INTERNATIONAL CONFERENCE ON EMERGING INTELLIGENT SUSTAINABLE TECHNOLOGIES” (EISTCON-2012), held on 3rd and 4th May, 2012** at Dayananda Sagar college of Engineering, Bangalore **Volume-2, Issue-3,4, 2012 (pages 14-19)**

NATIONAL

- **“A Literature Review on Signal Denoising and Arrhythmia Classification of ECG Signal”**, 3rd National Conference on Communication and Image Processing (NCCIP-2017) held on 29th May 2017 at T.John Institute of Technology, ISSN (O): 2348-4098 , ISSN (P): 2395-4752
- **“Carrier based Pulse Width Modulation Techniques for Cascaded Multilevel Inverters using FPGA”** has been presented and published in **Three Day National Conference On-Advanced Control in Engineering Systems (NACES-11), held on September 21-23, 2011** at M.S Ramaiah Institute of Technology, Bangalore
- **“Multicarrier based Pulse Width Modulation Techniques for Cascaded Multilevel Inverters”** has been presented and published in **“Conference On Recent Investigations in Electrical Engineering using Experimental and Computational Techniques (NCRE³CT-2011), held on October 14 , 2011** at B.N.M Institute of Technology, Bangalore
- **“Analysis Of Microgrid Stability During Islanding Mode”** has been presented and published in **“First National conference on green computing technology NCGCT(ISBN No. 978-03-84935-31-3.)”**, held on May 7th 2015 at Dayananda Sagar Academy of technology and Management, Bangalore
- **“ Design And Modelling Of Electric Vehicle With Integration To Distribution Grid”** has been presented and published in **“National Conference on convergence of science and technology and management 2016 NCCSTM(ISBN No. 978-9384935-97-9)”**, held on May 5th 2016 at Dayananda Sagar Academy of technology and Management, Bangalore
- **“Electronics Based Dump Load Controller (Dlc) For An Grid Isolated**

Asynchronous Generator (Giag)“ has been presented and published in **“National Conference on convergence of science and technology and management 2016 NCCSTM(ISBN No. 978-9384935-97-9)”**, held on May 5th 2016 at Dayananda Sagar Academy of technology and Management, Bangalore

- **“EEG AND EMG CONTROLLED ELECTRIC WHEEL CHAIR”**, 3rd National Conference on Convergence of Science, at Dayananda Sagar Academy of technology and Management (NCCSTM-2017), held on May 19th 2017 Bangalore, ISBN No. 978-93-85682-48-3-EEE05.
- **“DESIGN AND SIMULATION OF PHOTO VOLTAIC SYSTEM”**, 3rd National Conference on Convergence of Science, at Dayananda Sagar Academy of technology and Management (NCCSTM-2017), held on May 19th 2017 Bangalore, ISBN No. 978-93-85682-48-3-EEE14.

Awards

NIL

Academic Activity

- Held Responsible for preparing lab manuals and also as a lab in charge for control system lab and Power System Simulation Lab.
- Worked as a Test Coordinator, Project Coordinator and Mini-Project co-coordinator.
- Member- Project Committee.
- Member- Career Guidance Placement cell
- Member- Grievances Redressal Cell

Faculty Development Activity

- Workshop on **‘Power Quality and Custom Power Devices’**, Jun 3 2013 to Jun 7 2013, RVCE, Bangalore
- One Week Workshop on **Energy Management & Energy Audit 20th - 24th January, 2014 RVCE, Bangalore**
- **IEEE PES Bangalore Young Researchers meet Industries & Academics Interaction to foster Research** on December 6th
- 3 days training program on **Power system simulation studies using MI power software** held by PRDC Bangalore from 16th to 18th October 2014 at Dayananda Sagar Academy of technology and Management, Bangalore
- **“Research Methodologies & Latex”** held at VVIET, Mysuru from 29th to 31st December 2014.
- One day National workshop on **“Topical and Emerging smart grid technology – An overview”** held at Dayananda Sagar Academy of technology and Management, Bangalore on 6th November 2015
- Five days workshop on **“Research issues and challenges in Power system operation: Distributed Generation, Micro Grid and Renewable Integration”** held at SJBIT, Bangalore in July 2016
- Two day National workshop on **“Artificial Neural Networks and its applications (ArNNA-2016)”** held at PESIT, Bangalore during 16-17 December 2016.
- Two Week ISTE STTP on **“Electric Power System”** Conducted by IIT Kharagpur, held at BMSCE during 12th June to 15th July 2017

Administrative Activity

- Had been an organizer for 3rd **National Conference on Convergence of science, technology and management NCCSTM- 2017** at DSATM on May 19th 2017
- Had been an organizer for **National Conference on Convergence of science, technology and management 2016** at DSATM on May 5th 2016.

Professional Membership

- Member IEEE (92274134)–
 - IEEE Electron Devices Society Membership
 - IEEE Membership (student)
 - IEEE Young Professionals
 - IEEE Power & Energy Society Membership
 - Smart Grid Community, IEEE
 - IEEE Power Electronics Society Membership
 - IEEE Women in Engineering Membership
- IET(1100568290)- IET student Membership

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My Vision

- Preparing our students for professional work and development in modern business, industry, and communities.
- To be a dynamic centre of innovation and creativity dedicated to teaching, lifelong learning, and professionalism.
- Conducting sound research in the field of Electrical engineering that benefits the academic and professional communities, as well as our communities (the public) at large, including the environment.