

MAHABOOB SUBAHANI A

Assistant Professor
 Department of Electrical & Electronics Engineering
 PSG College of Technology
 Coimbatore – 641004, TN, India
Contact number: +91-97862-13521 (M), +91-422-4344777 (O)
Email: ams@eee.psgtech.ac.in



Date of Birth & Sex: 21.05.1989, Male

Marital Status: Single

Field of Research Interest

- Power Electronics and Its Applications in Renewable Energy Generation Systems
- Electrical Machines
- Analog Electronics and Digital Controllers

Academic Record

Degree	Programme / Specialization	Institute / University	Year
Ph.D.	Application of Power Converters in Renewable Energy Generation Systems	National Institute of Technology, Tiruchirappalli, TN, India.	Pursuing*
M.E	Power Electronics and Drives	PSG College of Technology, Coimbatore, TN, India	2010-12
B.E	Electrical and Electronics Engineering	Anna University, Chennai, TN, India.	2006-10

*Registered with NIT-T during spring session of 2016

M.E Thesis Title : A COMPACT NINE – SWITCH CONVERTER FOR SOLAR POWER GENERATION SYSTEMS

Teaching and Research Experience

Institution / Industry	Year (from-to)	Designation
PSG College of Technology, Coimbatore, TN, India	Dec 2012 – Till Date	Assistant Professor
Larsen & Toubro Technology Services, Mysore, Karnataka, India	June 2012 – Nov 2012	Research Assistant

Administrative Experience

- Faculty-In-charge – CAP & Nature Cub, PSG CT since Jun 2015
- Resident Tutor at Men's hostel, PSG CT, since May 2013
- Library Stock Verification Officer, Main Library, PSG CT for the year 2013 and 2016
- TEQIP-MIS Coordinator, EEE Department, PSG CT for the term May 2013 – Jul 2016

No. of Guidance of Theses: 05 (Annexure A)

Subjects Taught

- DC machines and Transformers
- Power Electronics
- Linear Electrical Machines
- Renewable Energy Sources
- Utilization of Electrical Energy
- Environmental Science and Engineering

Membership of Professional Bodies

- Member, International Association of Engineers (IAENG)
- Member, Society of Electrical Engineering, IAENG

Short-Term Courses/Conferences Organized

- Coordinated a Two Day National Level Hands-on Workshop on “Development of Embedded C Applications for MSP430 LaunchPad” during April 07 – 08, 2017 collaborated with M/s. Steps Knowledge Centre, Authorized dealer-Texas Instruments, Coimbatore, TN, India
- Coordinated an awareness Programme on “Effective Utilization of Solar PV System for Agriculture Applications” during August 8 – 10, 2014 collaborated with Tamilnadu State Council for Science & Technology (TNSCST), Chennai, TN, India
- Coordinated a two Day Workshop on “Model Based Design for Embedded Systems with VisSim” during June 20 – 21, 2014 collaborated with M/s. Visual Solutions Inc., Hyderabad, AP, India and M/s. Supreme Software Corporation, Madurai, TN, India
- Organized a Faculty Development Training Programme on “Solid State Drives” during December 16 - 22, 2013 sponsored by Center for Faculty Development, Anna University, Chennai, TN, India

Short-Term Courses/Conferences/Seminars/Workshops Attended

- Short-Term Courses/Workshops: 11 (Annexure A)
- Seminars : 03
- International Conferences : 1
- National Conferences : 03

Awards

- Was qualified for **GATE fellowship by MHRD, New Delhi** for pursuing M.E at PSG College of Technology, Coimbatore, TN, India from August 2010 to May 2012

Research Publications

- International Journals : 02
- Conferences : 04
 - International Conferences : 01
 - National Conferences : 03

• International Journals

1. **Mahaboob Subahani A** and Ashok Kumar L, “A Novel Nine-Switch Converter for Solar Energy Generation Systems”, International Journal of Applied Research and Studies (IJARS) ISSN 2278-9480, vol. 2, Issue 6, pp. 1 – 6, June 2013.
2. Maideen Abdhulkader Jeylani A, **Mahaboob Subahani A**, Varishnee A C, and Priya Dharshini, “Nine-Level VSI System with Reduced Number of Switches”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN 2378-8875, vol. 6, Issue 2, pp. 539 – 545, Feb. 2017.

• International Conferences

1. Maideen Abdhulkader Jeylani A, **Mahaboob Subahani A**, and Sundarm M, (2017), “Harmonic Study and Analysis of Power Systems in PSG College of Technology”, Proc. ‘IEEE International Conference on Science, Technology, Engineering and Management (IEEE-ICSTEM2017)’, March 2017, held at KIT, Coimbatore, India.

• National Conferences

1. **Mahaboob Subahani A** and Ashok Kumar L, (2012), “A Novel Nine-Switch Converter for Solar Energy Generation Systems”, Proc. ‘National Conference on Recent Trends in Electrical and Electronics Engineering (NCRTEE 2012)’, April 2012, held at PSG CT, Coimbatore, India.
2. **Mahaboob Subahani A** and Abinaya S, (2011), “Power Factor improvement by Harmonic reduction using boost converter technique”, presented at ‘National Conference on Electrical and Instrumentation Systems (NCEIS 2011)’, December 7-9, 2011, held at Government College of Technology, Coimbatore, India.
3. **Mahaboob Subahani A** and Suresh Kumar U, (2009), “Real-time Rotor bar Current Measurement using Bluetooth Technology”, presented at ‘National Conference on Vision of India with Technological Excellences (NCVITE 2009)’, December 7-9, 2009, held at The Indian Engineering College, Nagercovil, India.

ANNEXURE A
Guidance of Theses

1. **Ms. Swarnalakshmi L:** Thesis entitled “Power Distribution Unit for Series Hybrid Electric Vehicles” with Bosch India Pvt. Ltd., Bangalore, KA, India in the year 2016.
2. **Ms. Abinaya E:** Thesis entitled “Solar Energy based Battery Charging System for Automotive Applications” with PSG College of Technology, Coimbatore, India in the year 2016.
3. **Mr. Vinoth T:** Thesis entitled “Data Acquisition System for Weather Observations – Evaluation of Refractive Index of Air” with Robert Bosch Engineering and Business Solutions Ltd., Coimbatore, TN, India in the year 2016.
4. **Ms. Yuvashree S:** Thesis entitled “10 Amps Stage Assembly Semi-Automation Machine” with PSG College of Technology, Coimbatore, India in the year 2014.
5. **Mr. Vigneshwaran M:** Thesis entitled “Online Offsite Condition Monitoring of Induction Motor using GSM Technology” with Mettur Thermal Power Station, Mettur, TN, India in the year 2014.

Short-Term Courses/Workshops

Attended

1. A two day national level hands-on workshop on ‘**Development of Embedded C Applications for MSP430 LaunchPad**’ organized by the Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore, India from April 07 to 08, 2017.
2. A workshop on ‘**Power Electronics for Renewable Energy Applications**’ organized by the Department of Electrical and Electronics Engineering, National Institute of Technology, Goa, India from May 12 to 14, 2016.
3. A workshop on ‘**Operation and Control of Wind-driven Generators**’ organized by the Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, India from April 15 to 16, 2016.
4. A workshop on ‘**Automotive Electric Devices Modelling with MATLAB**’ organized by the Department of Automobile Engineering, PSG College of Technology, Coimbatore, India from November 27 to 28, 2015.
5. A workshop on ‘**Environmental Studies**’ organized by Indian Institute of Technology, Bombay, through ICT-MHRD, New Delhi, India from June 2 to 12, 2015.
6. A workshop on ‘**Creative Teaching**’ organized by Educational Technology Center, PSG College of Technology, Coimbatore, India from on April 17, 2015.
7. Short Term Course on ‘**Real Time Controller Design using TI C2000 Microcontroller**’ organized by the Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, India from September 26 to 28, 2014.
8. Faculty Development Programme on ‘**Well-being in work place**’ organized by the Department of Mechanical Engineering, PSG College of Technology, Coimbatore, India on March 14, 2013.
9. Faculty Development Programme on ‘**Outcome Based Course Planning**’ organized by the Department of Mechanical Engineering, PSG College of Technology, Coimbatore, India from December 13 to 14, 2013.
10. Faculty Development Programme on ‘**CNC Technology**’ organized by Department of Mechanical Engineering, PSG College of Technology, Coimbatore, India from November 18 to 24, 2013.
11. Faculty Development Programme on ‘**Effective Teaching**’ organized by Educational Technology Center, PSG College of Technology, Coimbatore, India on June 29, 2013.
12. A workshop on ‘**Power Electronics and Measurements**’ organized by the Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, India from May 2 to 3, 2013.