



University College of Engineering Osmania University



1. Name	: Mrs. N. Susheela
2. Designation	: Assistant Professor
3. Department	: Electrical Engineering
4. Office Address	: Department of Electrical Engineering University College of Engineering (A) Osmania University, Hyderabad-500 007, Telangana, India Phone: (040)27098628(O)
5. Email ID	: nsusheela2007@yahoo.com
6. Research Areas of Interest:	<ul style="list-style-type: none">• Multilevel Inverters• Special Electrical Machines• Power Electronic Drives



7. Educational Qualifications:

Course	Specialization	Institute	University	Year of Passing
B. Tech	Electrical and Electronics Engineering	SSJ Engineering College	JNTUH	2003
M.E	Industrial Drives & Control	University College of Engineering	Osmania University	2009
Ph. D	Multilevel Inverters	University College of Engineering	Osmania University	Pursuing

8. Work Experience:

Designation	Department	College	Organization	Period
Assistant Professor	Department of Electrical Engineering	University College of Engineering	Osmania University, Hyderabad	8 th June 2007 to till date

9. Subjects Taught:

UG

- Basic Electrical Engineering
- Electrical Circuits-I
- Electrical Machines-II
- Electrical Machines-III
- Digital Electronics and Logic Design

PG

- Static Control of A.C. Drives
- Digital Circuits & Logic Design
- Solid State Electric Drives
- Solid State A.C. Motor Control

10. Awards/ Honors:

- Received Second Best Paper Award for presenting research paper titled “Mapping Method Based Space Vector Modulation Technique for Diode Clamped Multilevel Inverters” in the 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-2016) held at Indian Institute of Technology, Banaras Hindu University, Varanasi, U.P, India during 9th – 11th December, 2016.

11. Administrative Experience in Department/ University:

- Departmental Convener, M.E./M.Tech (PTPG) Admissions, 2016-2017, Department of Electrical Engineering, University College of Engineering, Osmania University.
- Coordinator, Techsonance-2016, Department of Electrical Engineering, University College of Engineering, Osmania University in February 2016
- NBA Coordinator for BE programme, Department of Electrical Engineering, University College of Engineering, Osmania University in 2012
- NBA Coordinator, Industrial Drives & Control, Department of Electrical Engineering, University College of Engineering, Osmania University in 2013.
- Faculty Advisor, Industrial Drives & Control, Department of Electrical Engineering, University College of Engineering, Osmania University during 2015 to 2017.
- NBA Coordinator, Industrial Drives & Control, Department of Electrical Engineering, University College of Engineering, Osmania University in 2016.
- Time Table In charge for BE/ME , Department of Electrical Engineering, University College of Engineering, Osmania University from 2008-2012
- Involved in Preparing Half-Yearly and Annual Performance Reports in 2009-2010 and 2010-2011 and Hand Book in 2011-2012 in Department of Electrical Engineering, UCE,OU

12. Workshops / Short Term Courses/ Training Programmes Attended:

- A one day workshop on “Women for Excellence” WE 2017 (Be bold for change), organized by University College of Engineering(A), Osmania University, Hyderabad on 8th March, 2017

- “Awareness Workshop on Outcome Based Education and Accreditation”, organized by University College of Engineering (A), Osmania University, Hyderabad, Telangana, India in association with National Board of Accreditation (NBA), New Delhi, India on 18th December, 2016
- Two Day Workshop on “Teaching, Learning and Assessment Methodologies” organized by University College of Engineering(A), Osmania University, Hyderabad under TEQIP-II on 13th & 14th Dec, 2016
- One week National Level Faculty Development Program on “Real Time practices in Electrical and Electronics Engineering (RTPEEE)” organized by Department of Electrical & Electronics Engineering, Shri Vishnu Engineering College for Women (A), Vishnupur, Bhimvaram during 26th Sep to 1st Oct 2016
- “Power Quality-Harmonic Analysis for Power Systems” conducted by Department of Electrical Engineering, University College of Engineering(A), Osmania University during 19th and 20th September 2016
- Two Day Training Programme on “Implementation of Space Vector Pulse Width Modulation for Multilevel Inverters using FPGA” A Technology Transfer under SERB Project, sponsored by TEQIP Phase-II, conducted by Department of Electrical Engineering, University College of Engineering(A), Osmania University during 16th – 17th September, 2016
- A one day workshop on “Women for Excellence-2016” organized by University College of Engineering(A), Osmania University, Hyderabad on 9th March, 2016
- One week training programme on “Power Electronics and Drives for Vehicular Systems- Technology Status & Future Trends” organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University, under TEQIP-II, during 23rd – 28th November, 2015
- One day workshop on “How to write Research Proposal” organized by University College of Engineering(A), Osmania University, Hyderabad under project TEQIP-II, 18th Sep, 2015
- Three Day Workshop on “Solar Photovoltaic Training Program” organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University, Hyderabad during 2nd – 4th March, 2015
- Two weeks “Faculty Development Programme in Entrepreneurship” sponsored by NSTEDB, DST, New Delhi, organized by Entrepreneurship Development Cell, Osmania, University, Hyderabad during 2nd -14th February, 2015
- Three Day Workshop on “Engineering Research Methodology” ” organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University, Hyderabad during 26th – 28th August, 2013
- Two Week Staff Development Programme on “High Voltage Testing Measurements & Gas Insulated Substations” at Department of Electrical and Electronics Engineering, JNTU, Hyderabad during 12.12.2011 to 24.12.2011
- Four Week Orientation Course UGC-Academic Staff College, Osmania University, Hyderabad during 01.06.2010 to 28.06.2010
- Three week Refresher course on “Advances in Power Electronics and their applications to Drives and Power Systems” organized by JNTU, Hyderabad during 10th to 29th November, 2008
- Orientation Programme at Osmania University, Hyderabad during 02.07.2007 to 12.07.2007
- Two day workshop on “Power System Operation & Control”, jointly organized by EED,UCE,OU & SNIST 27th to 29th November 2007
- Two day workshop on “Power Quality”, organized by EED, UCE, OU during 28th & 29th September 2007.
- National Conference on “Distribution Automation” 29th to 31st October 2007 organized by Central Power Research Institute, Bangalore.

13. Publications:

- “Hybrid Topologies of Multilevel Converter for Current Waveform Improvement”, *International Journal of Inventive Engineering and Sciences (IJIES)*, ISSN: 2319-9598, Volume-1, Issue-4, March, 2013
- “Performance Evaluation of Carrier Based PWM Techniques for Hybrid Multilevel Inverters with Reduced Number of Components”, *1st International Conference on Power Engineering, Computing and CONTROL (PECCON-2017)* conducted by VIT University, Chennai Campus, India during 2-4 March, 2017.
- “Mapping Method Based Space Vector Modulation Technique for Diode Clamped Multilevel Inverters”, *3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-2016)*, Indian Institute of Technology, Banaras Hindu University, Varanasi, U.P, India, 9th – 11th December, 2016.
- “Performance Analysis of Four Level NPC and NNPC Inverters using Capacitor Voltage Balancing Method”, *3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-2016)*, Indian Institute of Technology, Banaras Hindu University, Varanasi, U.P, India, 9th – 11th December, 2016.
- “Implementation of High Step up DC-DC converter using Cascode Technique from Fuel Cell Electric Conversion System” *National Conference on Advancements in Electrical and Electronics Engineering (NCAEEE-2012)*, organized by Department of Electrical and Electronics Engineering, organized by Sri Venkateswara College of Engineering, Sriperumbudur, 17th -18th February, 2012.
- “Simulation of a Novel Single-Phase Three-Leg AC/AC Converter fed Universal Motor” *National conference on Power Electronics & Drives (PEDC'11)*, organized by Department of Electrical and Electronics Engineering, A.C. College of Engineering & Technology, Karaikudi, Tamilnadu, 9th March, 2011

14. Guest Lecture Delivered

Delivered a lecture on “Multi Carrier PWM strategies-Hybrid Multilevel Inverters” in a Two Day Training Programme on “Implementation of Space Vector Pulse Width Modulation for Multilevel Inverters using FPGA” A Technology Transfer under SERB Project, sponsored by TEQIP Phase-II, organized by Department of Electrical Engineering, University College of Engineering, Osmania University during 16th – 17th September, 2016

15. Industrial Visit

Visited Kothagudem Thermal Power Station (KTPS), Paloncha, Khammam District accompanying the Students of BE 3/4, Department of Electrical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad during 17.3.2017 and 18.03.2017.

16. No. of M.E. Projects guided : 16

17. No. of BE Projects guided : 7