# **Bio-Data**

1. Name	: Dr. N. Susheela			
2. Designation	: Assistant Professor			
3. Date of Birth	: 19.04.1982			
4. Institution	: University College of Engineering (A) Osmania University, Hyderabad-500 007, Telangana, India Phone: (040)27098628(O)			
5. Department	: Electrical Engineering			
6. Office Address	: Department of Electrical Engineering University College of Engineering (A) Osmania University, Hyderabad-500 007, Telangana, India			
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# 7. Educational Qualifications:

Course	Subject	Name of the Board / University	Year of Passing	Division/ Class/Grade
Ph. D.	Electrical Engineering	Osmania	2018	-
		University		
Postgraduate	M.E (Industrial Drives &	Osmania	2009	I Class with
	Control)	University		Distinction
Undergraduate	B. Tech.(Electrical and	JNTU	2003	I Class
	Electronics Engineering)	Hyderabad		
Intermediate	Mathematics, Physics	Board of	1999	I Class
	and Chemistry	Intermediate		
		Education		
High School	SSC	Board of	1997	I Class
		Secondary		
		Education		

#### 8. Work Experience:

Department and Organization	Designation	Period		Care de anor	
	Designation	From	То	Grade pay	
Dept. of Electrical Engineering,					
University College of	Assistant	08.06.2007	07.06.2012	AGP 6000/-	
Engineering(A),	Professor	08.00.2007			
Osmania University, Hyderabad					
Dept. of Electrical Engineering,					
University College of	Assistant	08.06.2012	07.06.2017	AGP 7000/-	
Engineering(A),	Professor	08.00.2012			
Osmania University, Hyderabad					
Dept. of Electrical Engineering,					
University College of	Assistant	08.06.2017	07.06.2020	AGP 8000/-	
Engineering(A),	Professor	08.00.2017			
Osmania University, Hyderabad					
Dept. of Electrical Engineering,					
University College of	Associate	08.06.2020	Till Date	AGP 9000/-	
Engineering(A),	Professor	08.00.2020		AUF 9000/-	
Osmania University, Hyderabad					

# 9. Research Areas of Interest:

- Multilevel Inverters
- Special Electrical Machines
- Power Electronics and Drives

# **10. Research Publications:**

#### Journals:

- [1].N. Susheela, P. Satish Kumar "Evaluation of POD and APOD multicarrier SPWM techniques for three-phase seven-level diode clamped multilevel inverter fed induction motor drive using FPGA" International Journal of Power Electronics, Inderscience Publications, Vol. 12, No. 3, pp.282-301, 2020.
- [2].A. Shiva Krishna Prasad and N. Susheela "Hardware In Loop Simulation of Advanced Aerospace Vehicle", Learning and Analytics in Intelligent Systems Volume 4 "Advances in Decision Sciences, Image Processing, Security and Computer Vision", International Conference on Emerging Trends in Engineering (ICETE), Vol.2, Springer Nature Switzerland AG 2020, pp. 481 – 489.

- [3]. N. Susheela and P. Satish Kumar, "Performance Evaluation and Comparison of Diode Clamped Multilevel Inverter and Hybrid Inverter based on PD and APOD Modulation Techniques" International Journal of Advances in Applied Sciences, Vol. 8, No.2, pp. 143-153, June 2019.
- [4].**N. Susheela**, P. Satish Kumar and S. K. Sharma, "Generalized Algorithm of Reverse Mapping Based SVPWM Strategy for Diode Clamped Multilevel Inverters", IEEE Transactions on Industry Applications, Vol.54, No.3, pp. 2425-2437, May/June 2018.
- [5]. N. Susheela, P. Satish Kumar, "Multicarrier SPWM Control Techniques for Three Phase Eleven Level Diode Clamped Multilevel Inverter and Hybrid Inverter with Reduced Number of Components", International Journal of Applied Power Engineering, Vol.7, No.3, pp. 251-263, December 2018.
- [6]. **N. Susheela** and P. Satish Kumar "Carrier Based Sinusoidal Pulse Width Modulation Control Strategy for Three Phase Nine Level Diode Clamped Multilevel Inverter and Hybrid Inverter with Reduced Components" Helix, Vol. 8(3), pp. 3336-3342, April 2018.
- [7]. N. Susheela, P. Satish Kumar, "Performance Analysis of FPGA based Diode Clamped Multilevel Inverter Fed Induction Motor Drive using Phase Opposition Disposition Multicarrier Based Modulation Strategy", International Journal of Power Electronics and Drive Systems, Vol.8, No.4, pp.1512-1523, December 2017.
- [8]. N. Susheela, P. Satish Kumar, "Performance Evaluation of Carrier Based PWM Techniques for Hybrid Multilevel Inverters with Reduced Number of Components," Energy Procedia, pp. 635-642, September 2017.
- [9]. **N. Susheela**, P. Satish Kumar, "Performance Evaluation of Multicarrier Based Techniques for Single Phase Hybrid Multilevel Inverter using Reduced Switches," Indonesian Journal of Electrical Engineering and Computer Science, Vol. 7, No. 3, pp. 676-686, September 2017.
- [10]. N. Susheela, P. Satish Kumar, "Comparative Analysis of Carrier Based Techniques for Single phase Diode Clamped MLI and Hybrid Inverter with Reduced Components," Indonesian Journal of Electrical Engineering and Computer Science Vol. 7, No. 3, pp. 687 – 697, September 2017.
- [11]. N. Susheela, P. Satish Kumar "Analysis and Comparison of Various Pulse Width Modulation Strategies for Hybrid Inverter with Reduced Number of Components," International Journal of Inventions in Engineering & Science Technology, Vol. No. 3, pp.12-26, July 2017.

- [12]. N. Susheela, P. Satish Kumar "Evaluation of Carrier Based Neutral Point Potential Regulator with Small DC Link Capacitors for Diode Clamped Inverter," International Journal of Inventions in Electronics & Electrical Engineering, Vol. No. 3, pp.9-22, July 2017.
- [13]. N. Susheela, P. Satish Kumar and B. Sirisha "Hybrid Topologies of Multilevel Converter for Current Waveform Improvement", International Journal of Inventive Engineering and Sciences, ISSN: 2319–9598, Vol.01, Issue-4, pp.29-37, March, 2013.
- [14]. B. Sirisha, N. Susheela and P. Satish kumar "Three Phase Two Leg Neutral Point Clamped Converter with output DC Voltage Regulation and Input Power Factor Correction" International Journal of Power Electronics and Drive System (IJPEDS), Vol. 2, No.2, June 2012.

#### Conferences:

- [1]. M. Hindu Sree Reddy, N. Susheela and P. Malathy, "Sinusoidal Tracking Method for Cascaded Multilevel Inverter fed Induction Motor Drive" 2021 IEEE sponsored International Conference on Emerging Trends in Industry 4.0 (ETI 4.0) held at OP Jindal University, Raigarh, Chhattisgarh, India during 19<sup>th</sup> to 21<sup>st</sup>, May 2021.
- [2]. Shiva Krishna Prasad and N. Susheela "Hardware in Loop Simulation of Advanced Aerospace vehicle", International Conference on Emerging Trends in Engineering (ICETE) organized by University College of Engineering, Osmania University, Hyderabad during 22<sup>nd</sup> to 23<sup>rd</sup> March, 2019.
- [3]. N. Susheela and P. Satish Kumar "Carrier Based Sinusoidal Pulse Width Modulation Control Strategy for Three Phase Nine Level Diode Clamped Multilevel Inverter and Hybrid Inverter with Reduced Components" International Conference on Recent Innovations in Electrical and Electronics Engineering (ICRIEEE-2017), Jawaharlal Nehru Technological University, Hyderabad, 29<sup>th</sup> to 30<sup>th</sup> December 2017.
- [4]. N. Susheela, P. Satish Kumar and S. K. Sharma "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, 9<sup>th</sup> to 11<sup>th</sup> December, 2016.
- [5]. N. Susheela, P. Satish Kumar and C.H. Reddy "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, 9<sup>th</sup> to 11<sup>th</sup> December, 2016.

- [6]. N. Susheela and P. Satish Kumar "Performance Evaluation of Carrier Based PWM Techniques for Hybrid Multilevel Inverters with Reduced Number of Components", 1<sup>st</sup> International Conference on Power Engineering, Computing and Control (PECCON-2017) conducted by VIT University, Chennai Campus, India during 2<sup>nd</sup> to 4<sup>th</sup> March, 2017.
- [7]. N. Susheela, P. Satish Kumar and B. Sirisha "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, 17<sup>th</sup> to 18<sup>th</sup> February, 2012.
- [8]. N. Susheela, M. V. Ramana Rao, R. Linga swamy and E. Vidyasagar "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, 9<sup>th</sup> March, 2011.

### 11. Awards/ Honors:

Received second best paper award in Power Electronics and Drives track 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 9<sup>th</sup>-11<sup>th</sup>December, 2016.

#### 12. Chairing Technical Sessions at Conferences/ Organized:

- Session Co-Chair at International Conference on Emerging Trends in Engineering (ICETE) at University College of Engineering, Osmania University, Hyderabad during 22<sup>nd</sup> to 23<sup>rd</sup> March, 2019.
- Session Co-Chair, Power Electronics and Drives Renewable Energy at International Conference on "Innovative Technologies in Engineering-2018" organized by University College of Engineering, Osmania University, Hyderabad, Telangana India during 11<sup>th</sup> to 13<sup>th</sup> April 2018.
- Member, Keynote Lecture committee, "HYDRO-2019", International Conference organized by the Department of Civil Engineering, University College of Engineering,

Osmania University, Hyderabad in association with the Indian Society of Hydraulics (ISH) held during 18<sup>th</sup> to 20<sup>th</sup> December 2019.

• Member, Organizing committee, "International Conference on Emerging Trends in Engineering (ICETE)" organized by University College of Engineering, Osmania University, Hyderabad during 22<sup>nd</sup> to 23<sup>rd</sup> March, 2019.

# **13.** Administrative Experience in Department / College / University:

- Nominated by Osmania University as Selection Committe Member for Chennais Amrita Institute of Hotel Management, Khairatabad for a period of two years w.e.f. 29.06.2021..
- General Warden, Girls Hostel, University College of Engineering, Osmania University from May 2019 to till date.
- Project Co-coordinator for agreement signed between GHMC and Department of Electrical Engineering, University College of Engineering (A), Osmania University on 22.03.2021 to support as Project Manangement Unit for City-Wide Unified Traffic Control System.
- Involved in MoU signed between Midwest Energy Private Limited and Department of Electrical Engineering, University College of Engineering (A), Osmania University on 03.04.2021 to promote green technologies. The Project Coordinator for this Project is Prof. G. Mallesham, Department of Electrical Engineering, University College of Engineering, Osmania University.
- Involved in MoU signed between Central Power Training Institute, Southern Power Distribution Company of India Limited (TSSPDCL), Hyderabad and Department of Electrical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad on 16<sup>th</sup> July, 2019 for the benefit of Electrical Engineering Students.
- Faculty Advisor for ME programme Industrial Drives & Control, Department of Electrical Engineering, University College of Engineering, Osmania University from 6th April 2015 to till date.
- NBA Coordinator for ME Programme Industrial Drives and Control specialization, Department of Electrical Engineering, University College of Engineering, Osmania University.

- Departmental Examination Incharge, B.E internal, M.E internal and External Examinations, Department of Electrical Engineering, University College of Engineering, Osmania University from 14<sup>th</sup> November 2018 to 7<sup>th</sup> February 2021.
- Coordinator for MoU's and Consultancy in Department of Electrical Engineering, University College of Engineering, Osmania University from 15.04.2019 to till date.
- Member, Board of Studies, Department of Electrical Engineering, University College of Engineering from 10.12.2019 to till date.
- Departmental Placement Coordinator during 2019-2020.
- Member, Ph.D. Research scholars Hostel admission of University College of Engineering, Osmania University from 22.10.2019 to till date.
- Member, Committee for review of payment of salaries/wages to the contract/daily wages employees working at hostels and messes at University College of Engineering (A), Osmania University from 25.09.2019 to till date.
- Incharge, BE project allotment, BE project assessment and BE internship, Department of Electrical Engineering, University College of Engineering, Osmania University from 6th April 2015 to 2018.
- Lab Incharge, Digital Electronics and Logic Design Lab during 2019-2020.
- Lab Incharge, Digital Electronics and Integrated Circuits Lab during 2018-2019.
- Departmental Convener, M.E.(PTPG) Admissions, 2016-2017, Department of Electrical Engineering, University College of Engineering, Osmania University.
- NBA Coordinator for BE programme, Department of Electrical Engineering, University College of Engineering, Osmania University in 2012. Department got Accredited for 5 years i.e., from 2013-2014 to 2017-2018.
- Incharge, Time Table, 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.

### **14. Industrial Visit:**

- Field visit to Hydel Generating Power Stations- Srisailam and Nagarjuna Sagar for Teaching and Non-Teaching staff, Department of Electrical Engineering, University College of Engineering(A), Osmania University during 13<sup>th</sup> to 14<sup>th</sup> February, 2021.
- Field visit to Kaleshwaram Project visit with all teaching faculty and non-teaching staff. Around 39 members have participated from Department of Electrical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad during 22.02.2020 and 23.02.2020.
- Field visit to NTPC Simhadri Power Plant, Vishakapatnam and Hinduja National Power Corporation Limited accompanying BE-3/4 and 4/4 EEE students to power grid. Around 93 students have participated accompanied by 7 teaching faculty and 2 non-teaching staff during 19/09/2019 to 21/09/2019.
- Field visit to Central Power Training Institute, TSSPDCL, Hyderabad accompanying BE-3/4 EEE students along with 3 faculty members, Department of Electrical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad on 09.01.2020.
- Field visit (Indoor and Outdoor labs) to Central Power Training Institute, TSSPDCL, Hyderabad along with 4 faculty members, Department of Electrical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad. Visit is planned before entering into MoU for the benefit of Electrical Engineering Students on 18.05.2019.
- Field Visit to 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. Around 64 students have participated accompanied by 4 faculty members during 17.3.2017 and 18.03.2017.

#### 15. Workshops/Training Programmes/ Lectures Organized/Coordinated:

1. Coordinator, 2-day Twinning Programme between "Department of Electrical Engineering, University College of Engineering(A), Osmania University" and "Department of Electrical and Electronics Engineering", VSSUT, Burla under TEQIP during December, 2020.

- 2. Coordinator, One day awareness programme on "MATLAB, LATEX and Hardware Implementation" organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University" on 31.08.2019.
- 3. Departmental Coordinator, "Finishing School-2019" for BE final year students in July 2019.
- Involved in a visit by faculty members to control room at GHMC, zonal commissioner office, Khairatabad before entering MoU between GHMC and Department of Electrical Engineering, University College of Engineering, Osmania University on 7<sup>th</sup> January 2020.
- 5. Involved in consultancy work i.e, third party inspection for fixing of CC cameras at office of the Zonal Commissioner, Office building in Begumpet, Circle-30, Secunderabad zone, Greater Hyderabad Municipal Corporation on 21.08.2020.
- 6. Coordinator, "Summer Internship Program-2019" at Department of Electrical Engineering with an objective to encourage ambitious bright students of different institutions in India other than University College of Engineering(A), Osmania University to pursue an innovative research and development project under the guidance of electrical engineering faculties of Department. Total 15 students from other institutions have participated for duration 3/4/5 weeks.
- Coordinator, Techsonance-2016, Department of Electrical Engineering, University College of Engineering, Osmania University during 4<sup>th</sup> – 5<sup>th</sup> March, 2016.

#### 16. Workshops/ Training Programmes Attended:

- Attended online awareness program on "DST-FIST: The prospects"-OU organized by Dean, Development and UGC Affairs on 21<sup>st</sup> August, 2021.
- Attended Two Week Online Short Term Training Programme on "Emerging Technologies in Electric Vehicles", organized by Department of Electrical and Electronics Engineering, Bapatla Engineering College, Bapatla during 2<sup>nd</sup> August to 14<sup>th</sup> August, 2021.
- Attended AICTE sponsored One Week Online STTP on "Recent Advances in EV Technologies", Series-D, organized by Department of Electrical and Electronics Engineering, Matrusri Engineering College during 12<sup>th</sup> July to 17<sup>th</sup> July, 2021.

- Attended One week Online STTP on "Recent Advances in EV Technologies", Series-C, organized by Department of Electrical and Electronics Engineering, Matrusri Engineering College during 14<sup>th</sup> June to 19<sup>th</sup> June 2021.
- Attended One week Refresher Course on "Applications of AI Techniques in Electrical Engineering" organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University in association with Veer Surendra Sai University of Technology (VSSUT), Burla, Odisha under Technical Education Quality Improvement Programme (TEQIP-III) during 18<sup>th</sup> to 23<sup>rd</sup> November 2019.
- Attended Five-day Online STTP on "MATLAB based Teaching-Learning in Mathematics, Science and Engineering" organized by the Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with Design Tech Systems Pvt Ltd, Mumbai during 18<sup>th</sup> to 22<sup>nd</sup> May 2020.
- Attended Three day workshop on "Outcome based Education (OBE) and NBA Accreditation (SAR preparation and Assessment)" during 12th to 14th, August 2020.
- Attended Two day workshop on "Challenges for Professional Women: Work-Life Balance" organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University, Hyderabad in association with IEEE Hyderabad Section WIE (AG) on 7<sup>th</sup> and 8<sup>th</sup> February, 2020.
- Session chair, "Techsonance", every year conducted by Department of Electrical Engineering, University College of Engineering, Osmania University.
- Attended Two day Online Workshop on "Reliability and its Applications to Power Systems and Drives" organized by Department of Electrical Engineering, University College of Engineering(A), Osmania University, Hyderabad in association with Department of Electrical Engineering, VSSUT, Burla, Odisha on 26<sup>th</sup> and 27<sup>th</sup> June, 2020.
- Attended "Technical Quiz" conducted by PSNA-ISTE student chapter, Department of EEE, PSNA College of Engineering & Technology, Dindigul during 2019-2020.
- Attended Two day workshop on "Leadership & Research Challenges for Professional Women" organized by Department of Electrical Engineering, University College of Engineering (A), Osmania University, Hyderabad in association with IEEE Hyderabad Section WIE on 4<sup>th</sup> and 5<sup>th</sup> January, 2019.

- Attended one week short term delivered by Prof. Akshay Kumar Rathore, Associate Professor, Dept. of Electrical & Computer Engineering, Concordia University, Montreal Canada on "High Voltage Gain Soft-Switching Advanced Current-fed Technologies for Microgrid and Electric Transportation" sponsored by Ministry of Human Resource Development (MHRD), Govt. of India under the scheme 'GIAN' organized by the Department of Electrical Engineering, University College of Engineering(A), Osmania University, Hyderabad, India from 18<sup>th</sup> December 2017 to 23<sup>rd</sup> December 2017.
- Attended "One Day Induction Programme" at University College of Engineering (A), Osmania University, Hyderabad, India on 20<sup>th</sup> January 2018.
- Attended a one day seminar on "Institutionalization of Quality Assurance System in Higher Education" organized by Internal Quality Assurance Cell (IQAC), Osmania University, Sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Govt. of Telangana State at PGRRCDE Auditorium, Osmania University on August 01, 2017.
- Attended a one day workshop on "Women for Excellence" WE 2017, organized by University College of Engineering(A), Osmania University, Hyderabad on 8<sup>th</sup> March, 2017.
- Attended a one day "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 18<sup>th</sup> December, 2016.
- Attended a Two Day Workshop on "Teaching, Learning and Assessment Methodologies" organized by University College of Engineering(A), Osmania University, Hyderabad under TEQIP-II on 13<sup>th</sup>& 14<sup>th</sup> Dec, 2016.
- Attended 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 26<sup>th</sup> Sep to 1<sup>st</sup> Oct 2016.
- Attended a Two day workshop on "Power Quality-Harmonic Analysis for Power Systems" conducted by Department of Electrical Engineering, University College of Engineering(A), Osmania University during 19<sup>th</sup> and 20<sup>th</sup> September 2016.

- Attended 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, conducted by Department of Electrical Engineering, University College of Engineering (A), Osmania University during 16<sup>th</sup> – 17<sup>th</sup> September, 2016.
- Attended a one day workshop on "Women for Excellence-2016" organized by University College of Engineering(A), Osmania University, Hyderabad on 9<sup>th</sup> March, 2016.
- Coordinator, Techsonanace-2016, Department of Electrical Engineering, University College of Engineering (A), Osmania University, Hyderabad.
- Attended 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 23<sup>rd</sup> to 28<sup>th</sup> November, 2015.
- Attended one day workshop on "How to write Research Proposal" organized by University College of Engineering (A), Osmania University, Hyderabad under project TEQIP-II, 18<sup>th</sup> Sep, 2015.
- Attended a Three Day Workshop on "Solar Photovoltaic Training Program" organized by Department of Electrical Engineering, University College of Engineering (A), Osmania University, Hyderabad during 2<sup>nd</sup> to 4<sup>th</sup> March, 2015.
- Attended Two weeks "Faculty Development Programme in Entrepreneurship" sponsored by NSTEDB, DST, New Delhi, organized by Entrepreneurship Development Cell, Osmania, University, Hyderabad during 2<sup>nd</sup> to 14<sup>th</sup> February, 2015.
- Attended a Three Day Workshop on "Engineering Research Methodology" " organized by Department of Electrical Engineering, University College of Engineering (A), Osmania University, Hyderabad during 26<sup>th</sup> to 28<sup>th</sup> August, 2013.
- Attended the complimentary seminar on "MATLAB & Simulink for Engineering Education" conducted by Math Works India on 31<sup>st</sup> August 12.
- Attended a 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.

- Attended a Four Week Orientation Course at UGC-Academic Staff College, Osmania University, Hyderabad during 01.06.2010 to 28.06.2010.
- Attended a Three week Refresher course on "Advances in Power Electronics and their applications to Drives and Power Systems" organized by JNTU, Hyderabad during 10<sup>th</sup> to 29<sup>th</sup> November, 2008.
- Attended Orientation Programme at Osmania University, Hyderabad during 02.07.2007 to 12.07.2007.
- Attended a Two day workshop on "Power System Operation & Control", jointly organized by EED, UCE, OU & SNIST 27<sup>th</sup> to 29<sup>th</sup> November 2007.
- Attended a Two day workshop on "Power Quality", organized by EED, UCE, OU during 28<sup>th</sup> & 29<sup>th</sup> September 2007.
- Attended a National Conference on "Distribution Automation" organized by Central Power Research Institute, Bangalore 29<sup>th</sup> to 31<sup>st</sup> October 2007.

#### **17. Guest Lectures Delivered:**

- Delivered a lecture on "Research Motivation and Document Preparation" in a five day workshop on Engineering Research Methodologies" organized by Department of Electrical Engineering, University College of Engineering, Osmania University during 13<sup>th</sup> to 17<sup>th</sup> May, 2019.
- 2. 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 16<sup>th</sup> to 17<sup>th</sup> September, 2016.

#### **18. No. of Projects guided**:

M.E. Projects: 19 B.E. Projects: 13

(Dr. N. Susheela)