

Ch.Sujatha

Department: Electrical and Electronics Engineering

College: Gudlavalleru Engineering college

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RESIDENTIAL ADDRESS:

FlatNo 307-A, Anjana Apartments, Water Tank Road, Labbipet, Vijayawada-10.

ACADEMIC QUALIFICATIONS: M.Tech(EMID), (PhD)

ACADEMIC REWARDS / ACHIEVEMENTS:

Registered for Ph.D in Power Quality at Nagarjuna University , Guntur, Andhra Pradesh in May 2011.

PROFESSIONAL EXPERIENCE:

Designation	University/College	Period
Associate Professor	Gudlavalleru Engineering College	25-08-2005 To Till date
Assistant Professor	Gudlavalleru Engineering College	04-04-2001 To 25-08-2005

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
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RESEARCH PAPERS

PAPERS PUBLISHED IN JOURNALS:

PUBLICATIONS:

1. Published paper titled " **Field Programmable Gate Array (FPGA) – Based Pulse Width Modulation for Single Phase Hybrid Active Power Filters** " in **IJSRD - International Journal for Scientific Research & Development**| Vol. 3, Issue 10, 2015 | ISSN (online): 2321-0613
2. Published paper titled "**Enhancement of Power Quality with shunt Active Power using Fuzzy Adaptive Hysteresis Controller**" in **International Journal of Engineering Research & Technology (IJERT)** Volume 4 Issue 10, Oct- 2015 ISSN: 2278-0181.

3. Published paper titled "**Power Quality Improvement with Shunt Hybrid Active Power Filter Using ANN-Predictive and Adaptive Controllers**" in **International Journal of Advanced Research in Computer Engineering & Technology (IJARET)** Volume 4 Issue 9, September-2015 pp 3672...3678
4. Published paper titled "**An Advanced Current Controller Implemented with ANN Technique for Three Phase Shunt Active Power Filter**" in **International Journal for Research in Applied Science & Engineering Technology (IJRASET)** *Volume 3 Issue 1, January 2015* ISSN: 2321-9653
5. Published paper titled "**Grid Interfaced DG System Controlled by Static Compensation Scheme for Power Quality Improvement**" in **International Journal of Electrical and Electronics Engineering (IJEEE)** ISSN: 2319-8885 Volume-4, Issue-4, 2014
6. Published paper titled "**Performance of Fuzzy Based Shunt Active Power Filter Using Indirect Current Control Technique**" in **International Journal of Science and Research (IJSR)** ISSN (Online): 2319-7064 Impact Factor (2012): 3.358
7. Published paper titled "**A Novel Switching Pattern of cascaded Multi Level Inverters fed BLDC Drive using Different Modulation Schemes**" ,in **International Journal of Electrical and Electronics Engineering Research (IJEEER)**, ISSN(P): 2250-155X; ISSN(O): 2278-943X, Vol. 3, Issue 5, Dec 2013. **IF:5.638**.
8. Published paper titled "**Power Quality improvement shunt active filter using instantaneous Real power Theory for various load applications**" in **International journal of Advances in Science and Technology (IJAST)**, vol.5, No.3, sep2012, ISSN 2229-5216
9. Published paper titled "**A Fast acting PI controller based active power filter under using different loading conditions**" in **International journal of Advances in Science and Technology (IJAST)**, vol.5, No.3, sep2012, ISSN 2229-5216

10. Published paper titled “ **shunt active filter algorithms for a three phase system fed to adjustable speed drive** “in **International journal of Engineering science and Technology (IJEST)**,vol.3,No.10,Oct2012,Engg Journal publications,ISSN0975-5462.
11. Published paper titled “**Three phase Diode Rectifier with active current modulation and high efficiency** “in **International journal of Computer science and Technology (IJCST)** ,vol.3Issue1,Jan2012,ISSN0976-8491(online),ISSN2229-4333.
12. Published paper titled “**De-noising of partial discharge signal and comparison of different applications**” at **International journal of Engineering research and industrial application**, vol.4,No.3,August2011, Asent publications Pune.
13. Published paper titled “**A novel shunt active filter algorithms for a three phase system with unbalanced and distorted source voltage waveforms feeding to adjustable speed drives** “in **AKGEC International journal of Technology** ,vol.2,No.2,July2011, AKGEC publicationsDelhi,ISSN0975-9514. .

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS: 1

1. Presented a paper entitled" **Power Quality Improvement with Shunt Hybrid Active Power Filter Using ANN-Predictive and Adaptive Controllers** " at **international conference on Current Innovations in Engineering & Technology (ICCIET-2014)** held during 4th Oct 2015
2. Presented a paper entitled" **Indirect current control based shunt active power filters**” at **international conference on Innovations in Electrical and Electronics Engineering(ICIEEE-2014)** held during 5th and 6th September 2014.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:22

Seminars / Programmes organized:

1. A Faculty Development Programme on “Emerging Trends in Research areas of Electrical Engineering” 7-12-2015 to 11-12-2015 at Gudlavalleru Engineering College
2. A two day workshop on “Emerging Trends in Control of Electrical Drives” on 22-6-2012 &23-6-2012 at Gudlavalleru Engineering College.
3. A one day National Seminar on “Non Conventional Energy Resources” on 24-10-2009. at Gudlavalleru Engineering College.

Seminars / Training Programmes attended:

1. A one-week Faculty Development Programme (FDP) on “Automation and intelligent control of Electrical system phase-III” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 16-11-2020 to 21-11-2020
2. A one-week Faculty Development Programme (FDP) on “Automation and intelligent control of Electrical system phase-II” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 21-08-2020 to 26-08-2020
3. A one-week Faculty Development Programme (FDP) on “Automation and intelligent control of Electrical system phase-I” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 03-08-2020 to 08-08-2020
4. A one-week Faculty Development Programme (FDP) on “Emerging trends and challenges in Electrical Engineering” organized by Department of Electrical and Electronics Engineering, Vaageswari Engineering College from 22-06-2020 to 27-06-2020
5. A Faculty Development Programme (FDP) on “Matlab and simulink in engineering education” organized by APSSDC, Gudlavalleru Engineering College from 10-06-2020 to 11-06-2020.
6. A one-week Faculty Development Programme (FDP) on “Applied Research on Renewable Energy Sources and Micro grids” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 18-11-2019 to 23-11-2019.
7. A one week Faculty Development Programme (FDP) on “Application of Artificial Intelligence and Soft Computing Techniques to Electrical Engineering” organized by Gudlavalleru Engineering College from 12-11-2018 to 17-11-2018.
8. A two day staff training program on “MATLAB Tools for Engineers – Hands on Experience” organized by Gudlavalleru Engineering College from 10-01-2017 to 11-01-2017.
9. A one week workshop on “Advanced Industrial Automation Training” organized by Gudlavalleru Engineering College from 14-11-2016 to 18-11-2016.
10. A one week workshop on “Advanced Industrial Automation Training” organized by Gudlavalleru Engineering College from 14-11-2016 to 18-11-2016. Attended Two-day workshop on “Leadership Opportunities for Professional Women” at IEEE Guntur section in Association with IEEE WIE AG Hyderabad Section, Efftronics System Pvt Ltd., Vijayawada from 27th & 28th Oct, 2018.
11. Attended one week Faculty development programme (FDP) on “Applications of Artificial Intelligence and Soft computing Techniques to Electrical Engineering from 12th – 17th Nov, 2018.
12. Attended a one week Faculty development programme (FDP) on “Industrial Automation” from 23rd - 27th April 2018 organized by APSSDC-SIEMENS Project at APSSDC-

SIEMENS Center of Excellence, VR Siddartha Engineering College, Vijayawada.

13. Attended two day staff training programme on “Matlab Tools for Engineers-Hands on Experience” held in Gudlavalleru Engineering College, Gudlavalleru on 10th & 11th Jan, 2017.
14. Attended one week workshop on “Advanced Industrial Automation Training” at Gudlavalleru Engineering College, Gudlavalleru from 14th to 18th Nov, 2016.
15. Attended one day workshop on “Power Simulation Tool Software training and its Application” organized by Power Research and Development and Consultants, Bangalore in association with Zonta Academy & Consultancy Services, Hyderabad and Gudlavalleru Engineering College, Gudlavalleru on 23rd July 2016.
16. Attended a one week Faculty development programme (FDP) on “Outcome Based Education” from 6th - 11th June 2016 organized by Electronics & ICT Academy, NIT, Warangal & Dhanekula Institute of Engineering & Technology, Vijayawada
17. Attended a refresher course on “Pedagogy on Machines and power systems” Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 9th to 15th May 2016
18. Attended a one day seminar on “Renewable Energy Resources for Sustainable Development” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College on 24th Feb 2016.
19. Attended a one week TEQP-II sponsored National Level Faculty development programme on Applications of Optimization Techniques to electrical systems organized by Department of Electrical and Electronics Engineering, SVECW from 7th to 12th Sept, 2015.
20. Attended a one week Faculty development programme on ETAP software Training and its Applications from 2nd - 8th June 2015 organized by Department of E.E.E of Gudlavalleru Engineering College.
21. Attended a two week ISTE workshop on Control systems conducted by Indian Institute of Technology Kharagpur from 2nd to 12th December, 2014.
22. Attended a two day complementary Training/Orientation on MATLAB, Simulink & Related Tool Boxes for Engineering Education in Gudlavalleru Engineering College on 3rd and 4th April 2013.
23. Attended a Two Day Workshop on “Advanced Power System Protection-Hands on Experience” on 6th - 7th November 2012 organized by Department of E.E.E of Gudlavalleru Engineering College.

24. Attended a three day AICTE sponsored National Conference on “Recent Trends in Electrical Engineering for sustainable development” during 24th to 26th December, 2008 at Gudlavalleru Engineering College, Gudlavalleru
25. Attended a one day National Seminar on “Power System Operation & Computer System Functions in Grid Management” on 27th October 2007 at Gudlavalleru Engineering College, Gudlavalleru.
26. Attended a two day workshop on “Guidance & counseling for teachers on their teaching individually” 11th & 12th August, 2007 at Gudlavalleru Engineering College conducted by National Institute for Technical Teachers Training and Research, Chennai.
27. Attended a three day workshop on “Advanced Power Electronics & Electrical Drives” during 16th - 18th March 2007 conducted by National Institute of Technology, Warangal under TEQIP.
28. Attended a one day workshop on “Student feedback & performance appraisal” on 17th Feb 2007 at Gudlavalleru Engineering College conducted by National Institute for Technical Teachers Training and Research, Chennai.
20. Attended a one day workshop on “Career Counseling” on 20th January 2007 at Gudlavalleru Engineering College conducted by National Institute for Technical Teachers Training and Research, Chennai.
21. Attended a six day state level workshop on “Simulation of Electrical Systems” during 4th to 9th August, 2003 conducted by G.Narayanamma Institute of Technology & Science, Hyderabad.
22. Attended a six day workshop on “Instructional Design & Delivery” during 21st to 26th April, 2003 at Gudlavalleru Engineering College conducted by National Institute for Technical Teachers Training & Research, Chennai.

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- b. Attended a two day workshop on “Guidance & counseling for teachers on their teaching individually” 11th & 12th August, 2007 at Gudlavalleru Engineering College conducted by National Institute for Technical Teachers Training and Research, Chennai.
- c. Attended a three day workshop on “Advanced Power Electronics & Electrical Drives” during 16th - 18th March 2007 conducted by National Institute of Technology, Warangal under TEQIP.
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CERTIFICATIONS: NIL

GUEST LECTURES DELIVERED: NIL

MEMBERSHIP IN PROFESSIONAL BODIES: ISTE

CONSULTANCY ACTIVITIES: NIL

GRANTS FETCHED: NIL