

FACULTY PROFILE

Name of the faculty: K.VINDHYA SMITHA
Department: Electrical And Electronics Engineering
College: Gudlavalleru Engineering College
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ACADEMIC QUALIFICATIONS: M.Tech(E.P.E),B.Tech(E.E.E)

ACADEMIC REWARDS / ACHIEVEMENTS:- NIL

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Associate Professor	GEC,Gudlavalleru	01-07-2008 to till date
Assistant Professor	GEC,Gudlavalleru	11-12-2002 to 30-06-2008

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
NIL	9	24

SPECIALIZATION:

ELECTRICAL POWER ENGINEERING

RESEARCH PAPERS / BOOKS: NIL

BOOKS PUBLISHED IN PUBLICATIONS: NIL

PAPERS PUBLISHED IN JOURNALS:

1. “Design of Repetitive Controller for Modular Multilevel Converter” International Research Journal of Engineering and Technology, ISSN 2395-0072, Vol.2, Issue 8, Pg no 765-771, November 2015.
2. “Enhancement of Photovoltaic Systems with Cascaded Modular Multilevel Converters Using Fuzzy Controller” International Research Journal of Engineering and Technology, ISSN 2395-0072, Vol.2, Issue 8, Pg no 1191-1197, November 2015.
3. “Power Quality Improvement using UPQC by Three Phase Four Wire Reduced DC link voltage”, International Journal of Electrical and Electronics Engineering (IJEE) ISSN: 2319-8885 Vol-4, Issue-5, Pg no 122-128, 2014
4. “Design of tuning methods for fractional order $PI^{\lambda}D^{\mu}$ controller using PSO algorithm”, International Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSN:2321-9653, Vol.2, issue XII, Pg no 436-442, Dec 2014.
5. “Optimal Control of Subsynchronous Resonance by using LQR Controller”, International Journal of Multidisciplinary Educational Research (IJMER), ISSN:2277-7881.
6. “Improvement of Power Quality using Repetitive Controller for Dynamic Voltage Restorer”, International Journal of Science & Research(IJSR), ISSN(online): 2319-7064, Vol.2, Issue 11, November 2013.
7. “A Two stage and isolated Bridgeless AC/DC converter”, International Journal of Innovative Research & Development, ISSN 2278-0211, October 2012.
8. “Comparative Performance Evaluation Of Different Control Strategies Adapted To Buck Type Pulse Width Modulated Dc-Dc Converter Feeding To Dc Motor Drive” CEWE (International Journal), Id: 978-81-922442-1-1 September 2011.
9. “Zener Diode Characteristics of Loadlines using MATLAB”, Lab Experiments National Journal, ISSN 0972-605535, Vol.-10, No.3, September 2010.
10. “Maximum Power Transfer Theorem Using MATLAB”, Lab Experiments National Journal, ISSN 0972-605535, Vol.-10, No.2, June 2010.

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:NIL

LIST OF WORKSHOPS ORGANIZED:

Refresher Course on “ELECTRIC CIRCUIT ANALYSIS” during 09-06-2014 to 12-06-2014.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

1. 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.
2. Attended a five day faculty development programme on "Application of Artificial Intelligence and Soft computing Techniques in Electrical Engineering" during 13th -17th November 2018 at Gudlavalleru Engineering College, Gudlavalleru.
3. Attended two week Short Term Training Programme on “Electric Power System” during 10th -15th July 2017 at Gudlavalleru Engineering College, Gudlavalleru.
4. Attended a two day staff Training Programme on “MATLAB TOOLS FOR ENGINEERS- HANDS ON EXPERIENCE” during 10th -11th January 2017 at Gudlavalleru Engineering College, Gudlavalleru.
5. Attended a one week workshop on “Advanced Industrial Automation Training” during 14th - 18th November 2016 at Gudlavalleru Engineering College, Gudlavalleru.
6. Attended a one day workshop on “Power System Simulation Tool Software” on 23rd July 2016 at Gudlavalleru Engineering College, Gudlavalleru.
7. Attended a Refresher Course on “Pedagogy on Machines and Power Systems” during 9th - 15th May 2016 at Gudlavalleru Engineering College, Gudlavalleru.
8. Attended a one day seminar on “Renewable Energy Resources for Sustainable Development” on 24th February 2016 at Gudlavalleru Engineering College, Gudlavalleru.
9. Attended a workshop on “Emerging Trends in Research Areas of Electrical Engineering” during 7th -11th December 2015 at Gudlavalleru Engineering College, Gudlavalleru.
10. Attended a workshop on “ETAP Software Training and its Applications” during 2nd -8th June 2015 at Gudlavalleru Engineering College, Gudlavalleru.
11. Attended a Refresher Course on “Pedagogy on Power Systems and Drives” during 18th -30th May 2015 at Gudlavalleru Engineering College, Gudlavalleru.
12. Attended a two week work shop on “Control systems” on 2nd -12th December 2014 at Gudlavalleru Engineering College, Gudlavalleru.
13. Two day workshop on “Emerging Trends in Control of Electric Drives” on 22nd & 23rd June 2012 at Gudlavalleru Engineering College, Gudlavalleru.

14. Six day Training Programme in “ Advanced Control Systems” during 23rd to 28th January 2012 at V.R.S.E.C, Vijayawada organized by A.P.S.C.H.E in association with JT University, Kakinada.
15. One day workshop on “Application of Wavelets in Electrical Engineering” on 23rd October 2010 at Gudlalleru Engineering College, Gudlalleru.
16. AICTE sponsored one day National Seminar on “Non-Conventional Energy Sources” on 24th October 2009 at Gudlalleru Engineering College, Gudlalleru.
17. Three day AICTE sponsored National Conference on “Emerging Trends in Electrical Engineering for sustainable development” during 24th to 26th December, 2008 at Gudlalleru Engineering College, Gudlalleru.
18. One day National Level Workshop on “Electro Magnetic Transient Programme (EMTP) Applications to Power Systems” on 7th December 2007 at V.R.Siddhartha Engineering College, Vijayawada.
19. One day National Seminar on “Power System Operation & Computer System Functions in Grid Management” on 27th October 2007 at Gudlalleru Engineering College, Gudlalleru.
20. Three day workshop on “Recent Advances in Power System Protection” from 29th to 31st March 2007 at NIT Warangal.
21. One day workshop on “Student feedback & performance appraisal” on 17th Feb 2007 at Gudlalleru Engineering College conducted by National Institute for Technical Teachers Training and Research, Chennai.
22. One day workshop on “Career Counseling” on 20th January 2007 at Gudlalleru Engineering College conducted by National Institute for Technical Teachers Training and Research, Chennai.
23. “Guidance & counseling for teachers on their teaching, individually” during 30th June to 1st July, 2007 at Gudlalleru Engineering College conducted at National Institute for Technical Teachers Training and Research, Chennai.
24. One day workshop on “Recent Developments in Power System Operation” on 15th September 2006 at Lakki Reddy Bali Reddy College of Engineering, Mylavaram.
25. Three day workshop on “Distribution Automation Recent Trends-DART 2005” from 28th to 30th October 2005 at JNTU College of Engineering, Anantapur.

26. One day workshop on “Recent Trends on FACTS” conducted by IEEE Hyderabad Section PEs/IES Joint Chapter, Hyderabad on 6th October 2005.
27. One day workshop on “Center of Energy Research” conducted by Aurora’s Engineering College, Bhongir on 25th February 2005.
28. Six day workshop on “Instructional Design & Delivery” from 21st to 26th April 2003 at Gudlavalleru Engineering College conducted by National Institute for Technical Teachers Training & Research, Chennai.

LIST OF ONLINE FDPs ATTENDED:

1. A one-week AICTE sponsored Short Term Training Program on “Automation and Intelligent Control of Electrical Systems – Phase-I” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 03-08- 2020 to 08-08-2020.
2. A five day Technical Education Quality Improvement Programme (TEQIP-III) sponsored Faculty Development Programme on “Power Electronic Applications to Renewable energy systems and Energy storage systems” organized by THE NATIONAL INSTITUTE OF ENGINEERING, Mysuru from 06-07-2020 to 10-07-2020.
3. A one-week online Faculty Development programme on “Applied Research in Electric Vehicle Technologies” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 15-06- 2020 to 20-06-2020.
3. A two-day online faculty development program on “MATLAB and Simulink in Engineering Education” organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in collaboration with Capricot and Mathworks from 10-06-2020 to 11-06-2020.
4. A one-week online Faculty Development programme on “POWER ELECTRONICS APPLICATIONS IN SMART GRID AND ELECTRIC VEHICLES” organized by Department of Electrical and Electronics Engineering, Santhiram Engineering College, Nandyal from 26-05-2020 to 31-05-2020.

CERTIFICATIONS: NIL

GUEST LECTURES DELIVERED: NIL

MEMBERSHIP IN PROFESSIONAL BODIES: M.I.E.T.E, Life Member I.S.T.E

CONSULTANCY ACTIVITIES: NIL

GRANTS FETCHED: NIL