

## FACULTY PROFILE

**Name of The Faculty:** AMARENDRA ALLURI

**Department:** Electrical and Electronics Engineering

**Office Phone No:** 08674273737

**Mobile:** 09502626726

**E-Mail:** mailto:amarendra@gmail.com

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### **RESIDENTIAL ADDRESS:**

FLAT NO 105, POTLURI RESIDENCY, KAMAYYATOPU, VIJAYAWADA, AP, 520007

### **ACADEMIC QUALIFICATIONS:**

B.E (EEE), M.Tech (Electrical power systems), Pursuing PHD - part time at JNTUK Kakinada since 2012.

**ACADEMIC REWARDS / ACHIEVEMENTS:** nil

### **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Associate Professor	Gudlavalleru Engineering College	15/08/2005 to till date
Assistant Professor	Gudlavalleru Engineering College	01/03/2001 to 14/08/20105
Service Engineer	TEKTRAN Power Pvt. Ltd.	01/11/1997 to 30/10/1999

### **PROJECTS GUIDED:**

<b>PhD</b>	<b>Post Graduation</b>	<b>Under Graduation</b>
nil	10	40

**SPECIALIZATION:** Electrical Power Systems

**RESEARCH PAPERS / BOOKS:** nil

**BOOKS PUBLISHED IN PUBLICATIONS:** nil

**PAPERS PUBLISHED IN JOURNALS:** 6

1. " Simulation Of High Voltage Gain Boost Converter For Battery Charging With PV System In a Single Stage Conversion" published in International Journal Of Engineering And Computer Science ISSN:2319-7242 Volume 4 Issue 7 July 2015, Page No. 13155-13160.

2. " DTC Scheme for a Four-Switch Inverter-Fed PMBLDC Motor Emulating the Six-Switch Inverter Operation" published in International Journal of Research in Science & Technology Volume: 2 , Issue: 3 , March 2015. ISSN: 2349-0845.
3. " Control of non linear inverted pendulum using PID Fuzzy logic controller and particle swarm optimization " published in International Journal of VLSI & Embedded System ISSN 2349 8129, Volume- 3, Issue -12, December 2014.
- 4." Closed Loop Control of a High Voltage Gain Dc–dc Converter for Distribution Generation " published in International Journal of Electrical and Electronics Engineering (IJEET) ISSN: 2319-8885 Volume-4, Issue-5, 2014.
5. "Integration of Grid Connected Hybrid Generation System using Boost Inverter" published in International Journal of Electrical and Electronics Engineering (IJEET) , ISSN (PRINT): 2231 – 5184, Volume-3, Issue-2, 2013
6. "A multilevel based Grid connected high Voltage Gain DC/DC converter" published in International Journal of Innovative Research & Development, ISSN 2278-0211, Oct 2012.

### **PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS: 3**

1. "Simulation of an inverter working as an active power filter and as an auxiliary power supply with a bi-directional DC/DC converter" published in International Conference on Power System Operation and Energy Management (ICPSOEM-2011) 23rd-24th July 2011, Bangalore, Volume-1, Issue-2, 2011.
2. "Design, Matlab / Simulink Modeling of novel hybrid H bridge multilevel Inverter for PD application" published in International Conference on Power System Operation and Energy Management (ICPSOEM-2011) 23rd-24th July 2011, Bangalore, Volume-1, Issue-2, 2011.
3. " Identification of the best location and size of IPFC to optimize the cost and to improve the power system security using Firefly optimization algorithm" published in First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems during November 30 – December 1, 2018

### **LIST OF WORKSHOPS ORGANIZED: 6**

- Organized an **AICTE Sponsored One Day National Seminar On Non-Conventional Energy Sources** on 24-10-2009 at Gudlavalleru Engineering College. AICTE had sanctioned Rs 1,50,000 for organizing the seminar under AICTE Seminar Fund.
- Organized a two day workshop on **Industrial Automation - PLC SCADA** from 12-02-2015 to 13-02-2015 at Gudlavalleru Engineering College.
- Organized a two day Workshop on **Embedded System-Automation** during 08-02-2014 to 09-02-2014 at Gudlavalleru Engineering College.
- Organized a one day Workshop on **PLC Applications** on 16-06-2012 at Gudlavalleru Engineering College.

- Organized and resource person for a one week Faculty Development Programme On “**ETAP Software Training and its Applications**” during 02-06-2015 to 08-06-2015 at Gudlavalleru Engineering College.
- Acted as Convener and Resource person for a Faculty Development Programme " **Pedagogy On Power Systems And Drives** " from 28-05-2015 to 30-05-2015.

#### **LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED: 19**

- Undergone deputation cum-training in Asea Brown Boveri Limited, Nashik for three months about M.V. Switchgears (3.3 K.V. to 33 K.V). During the training period I was exposed to the practical knowledge about installation, commissioning, testing, trouble shooting of Switchgears, SF6 Gas & Vacuum Circuit Breakers.
- Undergone professional training for testing, configuring and commissioning of Remote Terminal Units which are using in SCADA (Supervisory Control and Data Acquisition System) implementing in twin cities by APSEB and in Chennai by TNEB. Training was given by ABB, RTU division, Bangalore.
- Participated in a workshop on **Instructional Design and Delivery** conducted by TTTI, Chennai during 21.04.2003 to 26.04.2003 and 03-07-2006 to 08-07-2006.
- Attended a one week course on **Modeling of Power System Components** conducted by Gayatri Vidya Parishat College of Engineering, Madhuravada, Vishakhapatnam from 01-12-2003 to 06-12-2003.
- Attended one day workshop on **Artificial Intelligent Techniques In Power Systems** conducted by K L College of Engineering, Vaddeswaram, Guntur district on 24-03-20106.
- Attended a three day short term course on **Power System Optimization Techniques in the presence of FACTS Devices** conducted by EEE Department, University College of Engineering, Andhra University, Vishakhapatnam from 08-02-2007 to 10-02-2007.
- Attended a three weeks course on **Simulation Tools for Electrical Engineering Applications** conducted by Jawaharlal Nehru Technological University College of Engineering, Kukatpally, Hyderabad sponsored by UGC from 06-12-2004 to 25-12-2004.
- Attended a two day workshop on **Power System Operation and Dynamics Control** conducted by EEE Department, University College of Engineering, Osmania University, Hyderabad under TEQIP from 04-07-2008 to 05-07-2008.

- Attended a three day conference on **2012 PSCAD AND RTDS ASEA CONFERENCE** organized by Nayak Power systems Pvt. Ltd. Bangalore from 11-07-2008 to 13-07-2008.
- Attended a two day ISTE WORKSHOP on **Akash Education** organized by Indian Institute of Technology, Bombay from 10-11-2012 to 11-11-2012.
- Participated in a two week workshop on **Control Systems** conducted by Indian Institute of Technology, Kharagpur from 02-12-2014 to 12-12-2014.
- Attended a four day national level workshop on **Research Perspectives on Solar PV Systems** organized by PSG College of Technology, Coimbatore from 26-03-2015 to 29-03-2015.
- Attended a three day workshop on **Computer Applications To Power Systems Using MIPOWER** conducted by VR Siddartha Engineering College under TEQIP II S.C. 1.2 from 12-04-2015 TO 14-04-2015.
- Attended A One Week Faculty Development Programme On **Research Tools In Electrical Engineering** conducted by Lakireddy Balireddy college of Engineering, Mylavaram from 20-11-2014 to 25-11-2014.
- Attended an AICTE sponsored three day national conference on **Emerging Trends In Electrical Engineering For Sustainable Development** conducted by Gudlavalleru Engineering College from 24-11-2008 to 26-11-2018.
- Attended a one day workshop on **Applications of Wavelets in Electrical Engineering** conducted by Gudlavalleru Engineering College on 23-10-2010.
- Attended a two day workshop on **Emerging Trends Control of Electric Drives** conducted by Gudlavalleru Engineering College on 22-06-2012 to 23-06-2012
- Attended a two day workshop on **Advanced power system protection** conducted by Gudlavalleru Engineering College on 06-11-2012 to 07-11-2012
- Attended a two day workshop on **MATLAB, SIMULINK, Related Tool Boxes For Engineering Education** conducted by Academy of Design and Architecture at Gudlavalleru Engineering College on 03-04-2013 to 04-04-2013.

**CERTIFICATIONS: nil**

**GUEST LECTURES DELIVERED: nil**

**MEMBERSHIP IN PROFESSIONAL BODIES: FIE (INDIA), MISTE , MIETE**

**CONSULTANCY ACTIVITIES: Nil**

**GRANTS FETCHED:** Rs.6,00,000 /- MODROB Scheme from AICTE  
Rs.75,000/- Seminar Grant from AICTE  
Rs.4,40,000/- Minor Research Project from UGC

- Organized an **AICTE Sponsored One Day National Seminar On Non-Conventional Energy Sources** on 24-10-2009 at Gudlavalleru Engineering College. sponsored by AICTE under seminar grant for an amount Rs75,000 vide vide file no. 1-4/FD/Sem (262) / 2008-2009
- Executed the Erection and Installations works of Power Systems Lab procured under MODROB funds sanctioned by AICTE wide File No : 8024 / RID / BOR / Mod – 532 / 2009-10 Dated 21<sup>st</sup> December 2009 for an amount Rs. 14,25,000/- with the head **“Establishment of Power Systems Lab”** as Co-Coordinator.
- Received a grant of Rs 6,00,000 from AICTE under the scheme MODROBS for executing the works of Modernization of Power Electronic and Drives Lab vide reference number 8024/**RIFD/MOD-89(Pvt.)/Policy-III/2011-12** on the name of Co-ordinator Sri A. AMARENDRA , Associate Professor, EEE department.
- Received a grant of Rs 4,40,000/- from University Grants Commission provisionally as financial assistance for carrying the Minor Research Project Titled **“Enhancement of Power System Security Using Metaheuristic Optimazion Techniques”** vide reference number F.No: 4-4/2014-15 (MRP-SEM / UGC-SERO), Proposal No: 687 on the name of Principal Investigator, Sri A. AMARENDRA , Associate Professor, EEE department.

**I assure that the above information is true and correct to the best of my knowledge and belief.**

Place:

Date:

**(A. AMARENDRA)**