

Faculty Profile

Name: P. Sirisha

About me:

P. Sirisha, Assistant Professor of Electrical and Electronics Engineering, has over eight years of academic and research experience in GRIET . She had worked as Assistant Professor in Vathsalya Institute of Engineering and Technology from 2009 to 2012. She had overall experience of 11 Years in teaching. She had earned Bachelor of Engineering in Electrical and Electronics engineering and Master of Technology in Control Systems from JNTUH. She is familiar with software's like LABVIEW, MATLAB, PSPICE, PSIM, ETAP, ARDUINO, TASM etc

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Courses Taught: Power Systems-I, Power Systems-II, Power Electronics, Control Systems, Electrical Measurements and Instrumentation, Sensors and Transducers, Microprocessors and Microcontrollers, Basic Electrical Engineering, Digital Control Systems, Network Theory, Electrical Machines-I, Power Electronics Lab, Electrical Technology Lab, Industry oriented Mini projects Lab, Electrical Machines-I lab, Electrical Machines-II lab, Microprocessors Microcontrollers Lab, Sensors-Measurements and Instrumentation Lab, Power Systems Lab, Electrical Simulation Lab.

Publications:

Journal Publications:

1. D Anil Kumar, T.Rama Subba Reddy, A.Hari Prasad, **P. Sirisha**, "Automatic Working Phase Picker for Domestic load from Three Phase Supply", 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-9 Issue-2, July 2020. Page No.:973-975.
2. M.Karthika, **P. Sirisha**, U. Vijayalakshmi, P. Srividya Devi," *Intelligent Multi-verse-based Fuzzy optimization for LFC model*", Test Engineering and Management, June 2020, ISSN: 0193-4120 Page No. 11365 – 11371.
3. P. Umesh, **P. Sirisha** (2016), Transformer-less Adaptable Voltage Quadrupled DC Converter with Low Switch ISBN Number 2319-8885

Conference Publications:

1. P.Srividya devi, **P. Sirisha**, Dr.D.V.Pushpalatha (2014), Design of Line following Robot using Arduino, National conference on Contemporary Control, Andhra University

2. **P. Sirisha**, P.Srividyadevi, Dr.D.V.Pushpalatha (2014), Ultrasonic Radar System using Arduino, National conference on Contemporary Control, Andhra University.

Research Interest: Control Systems and Power Systems

Seminars:

- Attended a ATAL Academy AICTE Sponsored five days FDP on “Internet of Things” organized by Indian Institute of Technology BHU, held during 21st - 25th September 2020.
- Attended a One week Online STTP on “Power Electronics Applications to Industrial Systems” organized by EEE Dept, NIT Silchar, held during 7th - 11th September 2020.
- Attended a One week online FDP on “FDP on Recent Trends in Microgrid Technologies” organized by Department of EEE, Vignan Institute of Technology and Science, held on 6th-11th July-2020.
- Attended a Six Day International Online FDP (IFDP) on “Industrial Relevance of Electrical Engineering” organized by Department of EEE, BVRIT HYDERABAD College of Engineering for Women, held on 15th-20th June-2020.
- Attended a 10 Days Online FDP on “Research Opportunities in Electrical Engineering” organized by Department of EEE, Government College of Engineering, Karad UP, held on 7th-16th May-2020.
- Attended a AICTE FDP on “AICTE - NITTT - Module 1 - Orientation Towards Technical Education and Curriculum Aspects” organized by AICTE, held on 18/03/2020 to 27/04/2020.
- Attended a FDP on “Moodle Learning Management System(IITB,MHRD)” organized by CSE Dept,GRIET, held on 19th May-2019.
- Attended a FDP on “Moodle Learning Management System(IITB,MHRD)” organized by CSE Dept,GRIET, held on 15th Mar-2019.
- Attended a FDP on “Short term training programme through ICT mode on Indian Electricity Rule and Code of Practices” organized by EEE Dept,GRIET, held during 26th-30th Dec-2018.
- Attended a FDP on “Mentoring Educators in Educational Technology (301x)” organized by IITBombay,GRIET, held during 17.05.2018 to 05.07.2018.
- Attended a Workshop on “Introduction to Machine Learning” organized by IITKharagpur,GRIET, held during June 16th-17th Dec-2017.
- A One-day workshop on “Design Thinking”, organized by J-Lab on 8th November 2018 at GRIET, Hyderabad.
- A Two-day workshop on Introduction to Machine learning conducted by IIT Kharagpur from 16th Dec to 17th Dec 2017, attended at remote center, GRIET, Hyderabad
- A One-day Microsoft Education Workshop on Flip Your Class conducted by Microsoft on 7th December 2017 at Gachibowli, Hyderabad.
- A Two-week ISTE STTP workshop on Electrical Power System conducted by IIT Kharagpur from 12th June to 15th July 2017, attended at remote center, GRIET, Hyderabad
- A one-week workshop on T4E Technology for Education Conducted by IIT Bombay from Nov 30th to Dec 5th, 2016
- A Two-week FDP on Open Source Software through TEL by spoken tutorials from 06th Sep to 17th Sep 2016, attended at remote center, GRIET, Hyderabad.
- A Four-week FDP on Use of ICT in Education for Online and Blended learning conducted by IIT Bombay from May 2nd to July 10th, 2016, attended at remote center, GRIET, Hyderabad.
- A Two-week ISTE STTP workshop on Technical Communication conducted by IIT Bombay from 8th October to 5th December 2015, attended at remote center, GRIET, Hyderabad.

- Two-day workshop on “TI C2000 MCU for Real –Time control Applications” on 11th & 12th August 2015.
- Faculty Development Program on “Guide to a Passionate Teacher” ,29th June to 4th July 2015. GRIET Hyderabad
- A Three-day workshop on “Computer Applications to Power Systems using MI-POWER”, organized by Dept of EEE, JNTUH College of Engineering, Hyderabad, during 18th to 20th March 2015.
- A Two-Week Main Workshop on Control Systems conducted by IIT Kharagpur under NMEICT, 2- 12 December 2014, GRIET, Hyderabad.
- Two-week workshop on Computer Programming, National Mission on Education through ICT (MHRD, Govt of India, 20th May to 21st June 2014, IIT Bombay attended at remote center, GRIET, Hyderabad.
- Two day National Conference on Contemporary Control, 20th -21st Nov, 2014, Andhra University, Visakhapatnam
- A Two-week ISTE STTP workshop on Fluid Mechanics conducted by IIT Kharagpur from 20th to 30th May 2014, attended at remote center, GRIET, Hyderabad
- Two-week Workshop on Analog Electronics, National Mission on Education through ICT (MHRD, Govt. of India), June 4th, 2013 to June 14th, 2013.
- One-day workshop on “SMART GRID TECHNOLOGY” on 9th Feb 2013 conducted by EEE Dept GRIET, Hyderabad.
- A Two-day ISTE workshop conducted by IIT BOMBAY organized at GRIET, Hyderabad on “AAKASH for Education”, 10th, 11th November 2012.
- A National level workshop conducted by IIT BOMBAY organized by GRIET Hyderabad on “Introduction to Research Methodologies” from June 25th to 4th July 2012.

Invited Talks:

A guest lecture on "Substation equipment" for II year II Sem B. Tech EEE students at Avanthi Institute of Engineering & Technology on 17/04/2017.