

Faculty Profile

Name: G.Sandhya Rani

About me: I G.Sandhyarani completed M.TECH in Power electronics from VNR VJIET, presently working as Assistant professor in Electrical and Electronics Engineering department in Gokaraju Rangaraju Institute of Engineering and Technology since 2011. I had overall experience of 9 years in teaching. I had an idea about softwares like MATLAB, Power world, Multisim etc. I had done projects like LLC half bridge resonant converter, closed loop control of DC Motor using PLC, Weather station receiver using Arduino and IED using Arduino. My areas of interests are Power Electronics, power systems

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Courses Taught: Basics of electrical and electronics engineering, Principles of electronics engineering, Power generation and distribution, Power transmission system, Power system operation and control, Analysis of power electronics converters, AC Machines, DCMachines, VEE, PSLAB, PSSLAB, BEELAB

Sponsored Projects:

Ongoing Projects:

Completed Projects:

Publications:

Journal Publications:

Conference Publications:

1. spectral analysis of inverter output voltage waveform using different PWM technique published on May 18th 2012 in national journal
2. Intelligent Multi verse based Fuzzy Optimization for LFC Control Published on Aug 28th 2020 in International Journal of Advanced science and Technology

Research Interest:

Seminars:

Seminars/Workshops Attended:

- 1.AAKASH for education conducted by IIT-Bombayx
- 2.Introduction to Machine learning conducted by IIT Kharagpur
- 3.A Two-week FDP on Open Source Software through TEL by spoken tutorials
- 4.Use of ICT in Education for Online and Blended Learning(IIT-Bombay)
- 5.NI LABVIEW Core1&Core2
6. Educational technology for engineering teachers conducted by IIT-Bombayx
- 7.Applications of Power electronics and power systems, seminar conducted by GRIET
- 8.Electric Power System by IIT Kharagpur
9. Modern Control Techniques for power systems, Seminar conducted by VNR VJIET

Awards:

Invited Talks: