

Name: S. POORNIMA

Designation: Assistant Professor

Department:Electrical and Electronics Engineering

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Experience (in years):Teaching: 5 years**Research:**Nil

Others: Nil



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech in University College of Engineering, JNTUK, Kakinada	2009	Electrical and Electronics Engineering
2	M.Tech in University College of Engineering, JNTU, Anantapur	2013 (Jan)	Electrical Power Systems
2	Ph.D in University College of Engineering, JNTUK, Kakinada	pursuing	Protection of Electrical Machines in Distribution Systems

2. Teaching and Learning:

2.1 Teaching Interests: : Electro Magnetic Field Theory, Power System Analysis, Electrical Distribution Systems, Electrical Machines, Digital Signal Processing, Network Analysis, Reliability Engineering and its Application to Power Systems, Principles of Electrical Engineering, Advanced Power System Protection, Flexible AC Transmission System

2.2 Novel Teaching & Learning Techniques adopted: WIT and WIL

2.3 Involvement in curriculum updating / Design:Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: To conduct various activities for students to enhance their knowledge

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Involved in Career vision activities for First year B.Tech students

3.4. Counselling and Mentoring Activity: Mentoring students for regularity and to improve academic performance as a class in charge

3.5. Committees involved in:

Department level: Lab In charge, Class In charge, Student Progression

Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Conducted “Open House ” for projects during 27th Feb to 28th Feb 2017 in EEE Dept. in VNRVJiet
- Conducted certificate course on “Solar Photovoltaic Technologies and Embedded System Applications” 7 day workshop in association with IIT Bombay during December , 2015 in EEE Dept. in VNRVJiet

4.2 Attended:

- Intellectual Property Rights and Patents”, 15 days audit course from 16th to 30th May 2016 conducted by University College of Engineering, JNTUK, Kakinada
- “ Research Methodologies”, 15 days audit course from 1st to 15th May 2016 conducted by University College of Engineering, JNTUK, Kakinada
- “Simulation of Electrical Systems Using Mi power Software”three day workshop from 5th to 7th Jan 2015 conducted by EEE Dept.,VNRVJIET
- Introduction to MATLAB programming/simulink” three day workshop conducted during 26th to 28th May, 2014 by EEE Dept. in VNRVJIET
- “English Language Proficiency and Personal Effectiveness” six day work shop conducted during 12th to 17th May, 2014 by H&S Dept.in VNRVJIET
- A work shop on “ POGIL (Process Guided Inquiry Learning “ by VNRVJIET, Hyderabad during the year 2013
- “Solar Clan” three day work shop under Teqip-II during 26th to 28th November, 2013 conducted by EEE Dept.in VNRVJIET
- A Guest Lecture on “Introduction to Solar Energy based systems” by Mr.M.Jagadiswar Reddy, MD, Solaris Innovations &Systems, Hyderabad (Alumni, EEED, VNRVJIET) 25/01/2014

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapterspublished inBooks: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) **UG:** Guide 4 B.Tech projects on “voice based control for home appliances”, “Extraction of inrush and internal fault currents from Power Transformer using ATP”, “Transient Analysis of power transformer in protection point of view”& “Arduino based relay for protection of Induction Motor”.

b) **PG:** Guided 4 projects on “Direct torque control of induction motor using space vector pulse width modulation”, “SVPWM Inverter Design for hybrid grid connection”, “Harmonic Transient Analysis of Power Transformer”& “Micro controller based relay”

5.5. Research Interests: Power systems protection, Artificial Intelligence

5.6. Ph.D students:

a) **Enrolled:** Nil

b) **Submitted:** Nil

c) **Awarded:** Nil

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	“Improved Direct Torque Controller of dual inverter fed double star star induction motor	International Journal of Innovative Research in Advance Engineering .vol No.1 Issue 11 (November 2014)	ISSN:2349-2163	Impact factor-1.3	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
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1	Comparison of CWT& DWT based Algorithms in Combination with ANN for Protection of Power Transformer	International Conference on Signal Processing, Communication, Power and Embedded Systems(SCOPES-2016)	International	3 rd to 5 th October 2016
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5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Development and Implementation of DSP based Algorithm for Power Transformer Protection	UGC	2 years	2,50,000/-	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1.	Nil	Nil	Nil	Nil	Nil

6. Awards / Honors received:Nil

7. Motto:Discipline