

Name: GIRI PRASAD.AMBATI

Designation: Assistant Professor

Department: EEE

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Experience (in years): 16 Teaching: 16 Research: 4 Others(if any, specify): Nil



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph. D (pursuing)		EEE
2	M. Tech	2005	ITPE
3	B. Tech	2000	EEE

2. Teaching and Learning:

2.1 Teaching Interests: NT, ECA, EC, NA, EMF, BEE, EE, ET, ALS, LSA, SS, PS-I, PS-II, EM-I, EM-II, EM-III, CS, DCS, MCT, HVDC, HVE&IC.

2.2 Novel Teaching & Learning Techniques adopted: BBT, PPT, NPTL videos

2.3 Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Passionate towards teaching, Motivating students

3.2. CCA/ECA Organized:

- Convener For ICRTEST-2016 supported by IET, Elsevier Energy Procedia at SPEC From 25th-27th October,2016
- Designed and established Electrical Circuits and simulation lab, electrical machines lab I, and II, control systems and power electronics successfully with good quality and minimum cost.
- Worked as an In-Charge for examination Branch in J.B.R.E.C for One and half year.
- I have mostly handled the matters related to JNTU& AICTE Inspections in our college.
- I designed and Installed Electro mechanics lab networks lab successfully with good quality and minimum cost in NOVA college.
- I designed and Installed Networks lab and electrical measurements lab in JBREC

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Nil

3.5. Committees involved in: Nil

- Department level: Working as a Committee member of Academic Committee, Anti Ragging
- Institute Level: Discipline committee

4. Conference / Workshop / Seminar / Guest Lectures: 4.1 conducted:

International Conference

Conducted international conference on recent trends in engineering, science & technology(ICRTEST) from 25th to 27th Oct 2016 with technical support of Elsever and IET at SPEC.

National Conferences

- Conducted National level Technical Conference on 28/03/2013 in SPECOJUS at SPEC
- Conducted National level Technical Conference on 29/03/2014 in SPECFIESTA at SPEC
- Conducted National level Technical Conference on 27/03/2015 in SPECOJUS at SPEC

Workshops /Seminars conducted:

- Work shop conducted from 16/04/2010 to 17/04/2010 on “Electrical Power Systems “ at SPEC
- Work shop conducted from 19/01/2011 to 21/01/2011 on “National Franchisees Training Program” at SPEC
- Work shop conducted from 21/07/2011 to 23/07/2011 on “ National Franchisees Training Program” at SPEC
- One day Seminar conducted on “ Latest trends in Electrical Engineering & Soft Computing Techniques ”,on 31/03/2012 at SPEC
- Technical and Cultural Fest conducted on 28/03/2013(SPECOJUS).
- Technical and Cultural Fest conducted on 29/03/2014 in SPECFIESTA.
- Technical and Cultural Fest conducted from 26th to 27th MARCH 2015 (SPECFIESTA).
- Work shop conducted from 05/10/2015 to 10/10/2015 on “ Soft computing techniques for power system and power electronic applications” at SPEC

Guest Lectures Conducted:

- Guest Lecture conducted on topic “Maintenance of DTR” by Mr.R.raju naik A.D.E on 13/08/2011 .
- Guest Lecture conducted on topic “Prospects of Electrical Engineers in India” by Prof. H.G.R. Dasari, Director (PLG), J.B.I.E.Ton 13/09/2011
- Guest Lecture conducted on topic “Renewable Energy Sources” by Mr. P. Venkata Narayana, Associate Professor, JNTUH on 09/02/2012.
- Guest Lecture conducted on topic “Power Electronics and Applications “ by Smt. K.H.Phanisree, Assistant Professor,JNTUH on 14/02/2012
- Guest Lecture conducted on topic “Maintenance of Sub Stations” by Mr. J.Venkateshwara Rao, A.D.E ,Gajwal. on 01/03/2012
- Guest Lecture conducted on topic “High Voltage Engineering “by Dr.V.Kamaraju on 16/07/2012
- Guest Lecture conducted on topic “Gas Insulated Sub Stations” by Dr.PoonamUpadhyay on 25/07/2012
- Guest Lecture conducted on topic “Series compensation in high voltage power system “by Dr.B.P.Singh on 23/08/2012
- Guest Lecture conducted on 27/07/2013 on topic “Extra high voltage A.C Transmisssion system” byR.SureshBabu
- Guest Lecture conducted on 30/07/2013 on topic “Power System Operation and Control” by **Dr.E.VidyaSagar**
- Guest Lecture conducted on 14/08/2013 on topic “Electrical Power systems”by**Dr. M.Sushama**
- Guest Lecture conducted on topic “High Voltage Engineering “by A.Raghu Ram on 09/10/2013
- Guest Lecture conducted on 30/01/2014 on topic “Power Electronics & Applications” by **Dr. M.Suryakalavathi**
- Guest Lecture conducted on 15/02/2014 on topic “Power Electronics & Applications” by Dr.D.Thukaram
- Guest Lecture conducted on topic “Power Electronics & Applications” by **Dr. Tarakalyanion** 25/07/2014
- Guest Lecture conducted on 19/03/2015 on topic “Electrical Safety and Earthing “by **Mr.TS.Chandrashekar**
- Guest Lecture conducted on 04/04/2015 on topic “Maintenance of Sub Stations “by Mr. J.VenkateshwaraRao,A.D.E

- Guest Lecture conducted on 06/04/2015 on topic “Introduction to Advanced Electrical Engineering” by Mr. Mr.D.Srinivas
- Guest Lecture conducted on 17/04/2015 on topic “High Voltage Engineering” by Dr.S.S.Tulasi Ram.
- Guest Lecture conducted on 25/11/2015 on topic “Maintenance of sub stations” byMr. J.Venkateshwara Rao, A.D.E
- Guest Lecture conducted on 30/01/2016 on topic “Advance control systems” by Dr.A.Raghu Ram.
- Guest Lecture conducted on 28/06/2016 on topic “Electrical safety and earthing” by Mr. G.Samuel Moses, Deputy Electrical Inspector Mint Compound
- Guest Lecture conducted on 28/07/2016 on topic “Power Electronics & Amp Industrial Drives” by Mrs. E. Sreeshobha, Faculty Advisor, OU.
- **Industrial Visits conducted:**
- Industrial visit conducted on 16/07/2009 at Bharath Heavy Electricals Ltd., Hyderabad for III B. Tech, I Semester, EEE 1st
- Industrial visit conducted on 01/08/2009 at Vijai Electricals Pvt. Ltd., Hyderabad for III B. Tech, I Semester, EEE 1st
- Industrial visit conducted on 02/10/2010 at NagarjunaSagar Hydro Power Plant, NagarjunaSagar. for II B. Tech, II Semester, EEE – A 3rd
- Industrial visit conducted on 02/10/2010 at 400 KV Substation Visit, Malkaram for II B. Tech, II Semester, EEE – B 3rd
- Industrial visit conducted on 02/10/2010 at Kottagudam Thermal Power plant, Paloncha for III B. Tech, II Semester, EEE 2nd
- Industrial visit conducted on 08/10/2010 at Srisailam Hydro Power Plant, Srisailam. for III B. Tech, II Semester, EEE 2nd
- Industrial visit conducted on 09/10/2010 at NagarjunaSagar Hydro Power Plant, Nagarjunasagar for II B. Tech, II Semester, EEE – B 3rd
- Industrial visit conducted on 09/10/2010 at 400 KV Substation Visit, Malkaram for II B. Tech, II Semester, EEE – A 3rd
- Industrial visit conducted on 25/11/2010 to 04/12/2010 at North India Visit for III B. Tech, II Semester, EEE 2nd
- Industrial visit conducted on 01/04/2011 at 400 KV Substation Visit, Malkaram. for IV B. Tech, II Semester, EEE 2nd
- Industrial visit conducted on 20/08/2011 at Electric Loco Shed South Lalaguda, Secunderabad for IV B. Tech, I Semester, EEE 2nd

- Industrial visit conducted on 27/08/2011 at Electric Loco Shed South Lalaguda, Secunderabad. for IV B. Tech, I Semester, EEE 2nd
- Industrial visit conducted on 23/01/2012 to 02/02/2012 at North India Visit for III B. Tech, II Semester, EEE – A & B 3rd
- Industrial visit conducted on 24/01/2012 at Electric Loco Shed South Lalaguda, Secunderabad for II B. Tech, II Semester, EEE – A 3rd
- Industrial visit conducted on 01/02/2012 at Hyderabad Instrument Transformers, Hyderabad for II B. Tech, II Semester, EEE – B 3rd
- Industrial visit conducted on 04/08/2013 at Electric Loco Shed South Lalaguda, Secunderabad for IV B. Tech, II Semester, EEE – A&B
- Industrial visit conducted on 04/09/2013 at 400 KV Substation Visit, Gajwel, Medak. for IV B. Tech, II Semester, EEE - A&B
- Industrial visit conducted on 13/09/2013 at CPRI, Hyderabad for IV B. Tech, I Semester, EEE
- Industrial visit conducted on 27/09/2013 at Nagarjunasagar Hydro Power Plant, Nagarjunasagar for II B. Tech, II Semester, EEE – A&B
- Industrial visit conducted on 27/09/2013 to 29/09/2013 at Srisailem Hydro Power Plant, Srisailem for III B. Tech, II Semester, EEE – A&B
- Industrial visit conducted on 25/11/2013 at Kottagudam Thermal Power plant, Paloncha. for III B. Tech, II Semester, EEE- A&B
- Industrial visit conducted on 04/10/2014 at Electric Loco Shed South Lalaguda, Secunderabad for II B. Tech, II Semester, EEE – A&B
- Industrial visit conducted on 30/07/2014 at CPRI, Hyderabad. for IV B. Tech, I Semester, EEE – A & B
- Industrial visit conducted on 01/11/2014 at Kottagudam Thermal Power plant, Paloncha for III B. Tech, II Semester, EEE- A&B
- Industrial visit conducted on 21/08/2015 at CPRI, Hyderabad. for IV B. Tech, I Semester, EEE – A & B
- Industrial visit conducted on 04/02/2015 at Kottagudam Thermal Power plant, Paloncha for III B. Tech, II Semester, EEE- A&B
- Industrial visit conducted on 17/09/2015 at 400 KV Substation Visit, Gajwel, Medak.

for III B. Tech, II Semester, EEE - A&B

- Industrial visit conducted on 25/01/2016 & 26/01/2016 at Kottagudam Thermal Power plant, Paloncha for II & III B. Tech, II Semester, EEE
- Industrial visit conducted on 15/07/2016 at Electric Loco Shed South Lalaguda, Secunderabad for IV B. Tech, I Semester, EEE – A&B
- Industrial visit conducted on 04/07/2016 at 400/132 KV Substation Visit, Medchal for IV B. Tech, I Semester, EEE - A&B

4.1 Attended:

- Participated in **Two weeks** workshop on “Soft computing techniques in electrical Engineering” at NIT Warangal from 7th to 19th December -2009.
- Participated in **Two weeks** Faculty Development Programme on “High Voltage Testing Measurements & Gas Insulated Substations” being conducted from 12th to 24th Dec 2011 organized by Dept of EEE, JNTUCEH.
- Participated in the AICTE sponsored **Two week** Staff Development Programme on “Modern Control Techniques for power systems” (MCTPS-2012) from 18th to 30th June-2012
- Participated in **One week** national level faculty development on “solar PV Grid connected power plant” from 05/12/16 to 10/12/16 in coordination with national training center for solar technology at BVRIT.
- Participated in **One week** workshop on “Emerging Trends in Power Electronics & Power Systems” from 16/05/16 to 20/05/16 at VNRVJIT.
- Participated in **One week** national level Faculty Development Programme from 11th July to 16th July, 2016 at MRCE
- Participated in **One week** refresher course on “Power systems & Power electronics” from 22nd to 28th June-2016 at MRECW.
- Participated in **One Week** Workshop on “power electronics and drives for vehicular system” organized by Osmania university in 23rd to 28th November 2015
- Participated in **One Week** Workshop on “Perceptual learning in industrial automation” Organized by Geethanjali Engineering college in 2015.
- Participated in **One Week** Workshop on “Soft Computing techniques for Power System and power electronic applications organized by St. Peter’s Engineering College from 5th to 10th in October -2015.
- Participated in **One Week** faculty development programme on “Advance in power electronics and drives” organized by Osmania university in 2015.
- Completed the course work on “**Research Methodology**” conducted by the JNTUH from 16/01/2012 to 21/01/2012.

- Attended the **One week** workshop on “Linux in higher technical education” Organized by CSE & IT Dept of JBIET from 03/09/2007 to 07/09/2007.
- Attended the Two-Day workshop on” ARM7 and 8051 Microcontroller” on 14/09/2015 at JNTUCEH.
- Attended the awareness workshop on “Outcome based and Accreditation” on 14/09/2015 at JNTUCEH.
- Attended the work shop on “computer applications to power systems using mi- power” from 18th to 20th march 2015 at JNTUCEH.
- Attended Two Day Faculty Development on Performance Improvement In Teaching Skills conducted by ISTE AP Section & SPEC From 27th to 28th June 2014.
- Attended the Work Shop on “NBA Accreditation” conducted by JNTUH on 12/12/2014.
- Attended faculty development programme on Effective Teaching Methodology From 27th to 28th June 2013 At SPEC
- Attended the Three Day Work Shop on “High voltage Engineering” conducted by JNTUHCE From 6th to 8th March 2013.
- Attended Two Day workshop on Research Methodology From 3rd to 4th Dec 2013 at SPEC.
- Attended the Two Day Work Shop on “High voltage Technology” conducted by VNRVJIT from 29th to 30th April 2013.
- Attended the complimentary seminar “MATLAB & Simulink for Engineering Education “on 31/08/2012.
- ,m,,,,, mmmmm,Participated in Two Day “ISTE Work shop” on Aakash for Education Conducted by IIT Bombay from 10th to 11th Nov 2012.
- Participated in the course on “Franchisee Training Programme” during 19th-21th Jan 2011, Hyderabad organized by central power training institute /APCPDCL Hyderabad.
- Participated in a workshop on “Improving Academic Performance in Professional institutions” in CM Institute of Management on 14th November 2009
- Participated in a work shop on” Research Methodologies for Engineers”from13th to 15th February 2007 at JBIET, Moinabad, Hyderabad.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

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

5.4. Projects Guided:

a) UG: Nil

b) PG: Nil

5.5. Research Interests:

5.6. Ph. D students: Not Applicable

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed journal:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Comparison of control algorithms for three phase shunt active power filter for harmonic mitigation	international journal of Engineering Research & Technology (IJERT) Vol.1 Issue 5, July-2012	ISSN:2278-0181.		International
2	“Effect Of Voltage On Metallic Particle In A Three Phase Gas Insulated Busduct Using Analytical Method, Fem And Csm	International Journal Of Engineering And Computer Science Volume 3 Issue 6 June, 2014 Page No. 6746-6750.	Issn:2319-7242		International
3	Effect of voltage on conducting particle movement	International journal of electrical and	ISSN(P): 2250-943X		

	in single phase gas insulated bus duct using analytical method and csm considering with and without image charges	electronics engineering research (IJEEER) vol.4, Aug 2014, 39-44.			
4	Mitigation Of Voltage Sag/Swell Caused By Faults In Induction Motor By Using DVR	VOL.04, Issue.3 AUGUST-2015 PAGES-6656-6663.	ISSN 2319-8885		International
5	High Efficient Cuk Converter For Lo Insolation Based Pv Cell Fed Pmsm Drive For Water Pumping System".	VOL.06, OCT-2015.	ISSN 2319-8885		International
6	A Five Level Power Factor Correction Ac-Dc Converter.	VOL.06, OCT-2015.51	ISSN 2319-8885		International

5.8. Papers presented at National / International Journals:

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Using Linguistic constraints for	ICRTEST-16	international	

	improving the Usability of Bangla Dependency Parser”, in IRC TEST-2016.		1	
2	multifunctional three phase shunt active power filter topology for micro turbine starting and harmonic mitigation in high speed permanent magnet generator fed distributed power systems	ICRTEST-2016.	International	
3	Motion Of Free Conducting Particles In A Single Phase Compressed Gas Insulated Bus Duct With Electromagnetic Field Effect	National Conference on Gas Insulated Substation Conducted By Central Board Of Irrigation And Power, Hyderabad.	National	
4	Effect Of Voltage On Conducting Particle Movement In Single Phase Gas Insulated Bus Duct Using Analytical Method And Charge Simulation Method”.	National High Voltage Engineering Conference(NHVEC-2014) March 7 -8, 2014 Organized By Central Power Research Institute Uhv Research Laboratory Hyderabad.		March 7 - 8, 2014
5	Comparison of Metallic Particle Contamination In Single Phase Gas Insulated Busduct With, Without Coating”	2 nd International Conference on Recent trends in Electrical Engineering, at MRCEW	International	
6	Effect of Particle Length and Radius on movement of Metallic particle in Single Phase Gas Insulated Busduct	International conference on internet of things and applications for smart city,	International	

		Tirupati		
7	Enhancement Of Power Transfer Capacity Of Existing Transmission Lines”	Ncetrea-12, SR Engineering College, Warangal	National	
8	Monte Carlo Method For Determining The Motion Of Free Conducting Particles In A Single Phase Compressed Gas Insulated Bus Duct With Electromagnetic Field Effect”	A Two Day National Conference On Recent Advances In Communication Systems & Electrical Engineering (Race-2014) 24th & 25th January 2014.	National	

5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- **Acquired 70.07PERCENTILEin GATE 2001.**
- **Acquired 87.37PERCENTILEin GATE 2002.** Working as a Chairman of Dept. Advisory Committee.
- Worked as a **HOD**, Dept of EEE, St. Peter’s Engineering College from Sept 2007 to 1st August ,2016.
- **Advisor**, ISTE student chapter, SPEC
- **Advisor**, IE student chapter, SPEC

- Worked as a **HOD**, Dept of EEE, JBREC, Moinabad, Hyderabad from Aug 2006 to Aug 2007.
- **Established** all the laboratories of B. Tech, M. Tech & Diploma at JBREC & SPEC.
- **Worked as a HOD, Dept of EEE, ST.Peter's Engineering College, MaisammaGuda Hyderabad from Sep 2007 to Aug 2016.**
- **Worked As A Coordinator For NBA & NAAC At SPEC.**
- Got NBA Accreditation Department Of Electrical and Electronics Engineering under My Administration As a Head Of the Department.

7. Motto: Faith in GOD and Faith in ourselves –this is the secret of success