FACULTY PROFILE

Name of The Faculty: POTUKUCHI BALAKOTESWARARAO
Department: Electrical and Electronics Engineering
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RESIDENTIAL ADDRESS:

D.NO 10-3-17, ARUNDELPET, NARASARAOPET, GUNTUR DISTRICT, Andhra Pradesh, 522601

ACADEMIC QUALIFICATIONS:

1. M. Tech.
 Specialisation: Power Electronics and Electrical Drives   /   **Year of Passing:** 2014
College: Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh
University: Jawaharlal Nehru Technological University (JNTU), Kakinada,
Andhra Pradesh

2. B.Tech.
 Branch: Electrical and Electronics Engineering (EEE)   /   **Year of Passing:** 2011
College: Amara institute of Engineering and Technology, Narasaraopet, Andhra Pradesh
University: Jawaharlal Nehru Technological University (JNTU), Kakinada,
Andhra Pradesh

3. Plus Two
 Board: State Board of Intermediate Education   /   **Year of Passing:** 2007
 College: Vasavi Junior College, Narasaraopet, A. P

4. SSC
 Board: School Secondary Board   /   **Year of Passing:** 2005
 School: S.K.R.B.R High School, Narasaraopet, A. P

ACADEMIC REWARDS / ACHIEVEMENTS:

NPTEL:

1. Completed Course on **Outcome based pedagogic principles for effective teaching** with70% Score.
2. Completed **FDP** Course on **Introduction to Smart Grid** with 62% Score.
3. Completed course on **Power system Engineering with 86% and top 5% score**.

COURSERA:

1. Completed Course on **Introduction to Power Electronics**

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Assistant Professor	GUDLAVALLERU ENGINEERING COLLEGE	12-06-2014 to till date
Assistant Professor	NARASARAOPETA ENGINERING COLLEGE	April 2013 to May 2014

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
Nil	3	4

SPECIALIZATION: POWER ELECTRONICS AND ELECTRIC DRIVES

RESEARCH PAPERS / BOOKS: Nil

BOOKS PUBLISHED IN PUBLICATIONS: Nil

PAPERS PUBLISHED IN JOURNALS: 5

PAPERS PUBLISHED IN CONFERENCES: 3

1. P Balakoteswararao, et.al, "Closed loop control of CSC Converter using PI and Fuzzy logic controllers for DC Motor driven applications" Russian Electrical Engineering , [**Scopus Indexed**], paper under review.

2. P Balakoteswararao, et.al, "power quality enhancement in grid connected pv systems using high step up dc-dc converter" International Journal of Electrical and Computer Engineering (IJECE), Vol 7, No. 2, Apr- 2017, pp: 720- 728. [**Scopus Indexed**].

3. P Balakoteswararao, et.al, "Comparison of Shunt Active Power Filter with Different Control Algorithms Using Particle Swarm Optimization Technique" International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol 5, No 7, July 2016.

4. P Balakoteswararao, et.al "power quality improvement with shunt hybrid active power filter using ANN-based predictive and adaptive controllers" International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Vol 4, No.9, september-2015.

5. P Balakoteswararao, et.al "A closed loop speed control of a switched reluctance motor with a new converter topology" International Journal of Emerging Technology and Advanced Engineering (IJETAE), Vol 3,No 9,Sep 2013.

6. P Balakoteswararao, et.al,"Demand Side Management in Smart Grid using Internet of Things ", First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES-2018),Gudlavalleru, Dec 2018.

7. P Balakoteswararao, et.al "power quality improvement with shunt hybrid active power filter using ANN-based predictive and adaptive controllers" International Association Of Engineering & Technology For Skill Development, Chennai, Oct 2015.

8. P Balakoteswararao, et.al "a closed loop speed control of a switched reluctance motor with a new converter topology" in Proceedings of National Conference on "Advances In Communications & Electrical Engineering" Under TEQIP-II Organized BY Malla Reddy Engineering College (Autonomous), Jun 2014.

LIST OF WORKSHOPS ORGANIZED: Nil

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

1. One-week faculty development programme on "Application of Artificial Intelligence and Soft Computing Techniques to Electrical Engineering" during 13th to 17th NoV,2018.

2. Three day national level faculty development program on "Feedback controllers for renewable energy systems in Microgrid" Bapatla Engineering college, Bapatla, 27th to 28th September 2018.

3. Two Day faculty Development Programme "Recent Trends in Power System" Organized by the department of Electrical and Electronics Engineering, Vasi reddy Venkatadri Institute Of Technology, Guntur, Jul 2016.

4. A Two Day faculty Development Programme "Soft Computing techniques and their applications to Electrical Engineering" Organized by the department of Electrical and Electronics Engineering, Pragati Engineering College, Surampalem, Feb 2016.

5. One day seminar on "Renewable energy resources for sustainable development" on 24th February 2016 in gudlavalleru engineering college.

6. One week workshop conducted on "Emerging trends in research areas of electrical engineering from 7th to 11th December 2015."

7. One week faculty development program on "ETAP software training and its applications" from dec 2nd th to 8th june 2015 at gudlavalleru engineering college.

8. Two-week ISTE Workshop on "CONTROL SYSTEMS" conducted by Indian Institute of Technology Kharagpur, 2014

9. Refresher course on "Electric Circuit Analysis" organized by EEE Department of Gudlavalleru engineering college, 2014.

10. One week workshop on "Training Teachers for Excellence" Organised by Gudlavalleru engineering" ,2013.

CERTIFICATIONS: Nil

GUEST LECTURES DELIVERED: Nil

MEMBERSHIP IN PROFESSIONAL BODIES: The Institution of Engineers, Associate Member (IEI) [AM1659343]

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil