

Detailed Biodata

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Associate Professor

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Areas of Interest

Multilevel Inverters, Induction Motor Drives, Renewable Energy Sources, Hybrid Electric Vehicles, Fuzzy Logic and Neural Networks.

Skills

Simulation/Hardware platforms: MATLAB/Simulink®, Power World, RTDS™, dSPACE®, WAVCET.

Computer languages: C, Data Structures.

Experience

- Worked as Assistant Professor at **Teegala Krishna Reddy Engineering College**, Hyderabad from 14/06/2008 to 14/6/2009 in Electrical Engineering Department.
- Worked as Assistant Professor in Electrical Engineering Department at **NIT Kurukshetra**, Haryana from 23/09/2013 to 26/03/2019.
- Worked as Assistant Professor in Electrical Engineering Department at **MANIT Bhopal**, MP from 27/03/2019 to 20/12/2023.
- Presently working as Associate Professor in Electrical Engineering Department at **MANIT Bhopal**, MP from 21/12/2023 to till date.
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Publications

- Journals-15
- Conferences-55
- Book Chapters-6
- Guest Lectures Delivered-20

Research Proposals:

Design and Development of Intelligent Controller Based Dual Configured Wind Energy Conversion System for Enhanced LVRT operation Submitted to SERB, DST Government of India for an Amount Rs. 46.8 Lakhs (On Going, PI)

Design and Control of Grid Interactive Solar Water Pump Driven by Low Cost and High Efficient Synchronous Reluctance Motor for Irrigation and Household Applications submitted to MNRE of an amount 45 Lakhs, (Under Evaluation, Co-PI)

Administrative and Academic Assignments:

S No	Assignments
1.	Professor In charge Sports Activities
2.	Professor In charge Electrical Maintenance
3.	Faculty In charge AVA, Literary and Debating Club
4.	Warden Harihar Bhawan
6.	Professor In charge Badminton
7.	Co-coordinator Virtual Labs
8.	Associated Faculty at School of Renewable Energy and Efficiency
9	Professor In charge Computer and Microprocessor Lab
10	Senior Member IEEE

Workshops/STTP/Training Organized:

S No	Assignments
1	TEQIP-II Sponsored Power Electronics Application in Electric Drives, Power Quality and Renewable Energy Systems (PEAS-2016)
2	TEQIP-II Sponsored Power Electronics Application in Electric Drives, Power Quality and Renewable Energy Systems (PEAS-2017)
3	One Day Training Program on Energy Conservation Building Code-2017 In Association with HAREDA, Govt. of Haryana.
4	TEQIP-III Sponsored Power Electronics Applications in Power Quality, Drives and Renewable Energy Systems (March 2021)

- 5 Self Sponsored Applications of Soft Computing Techniques For Electro-Mechanical Systems (ASTEMS) (April 2021)

Achievements

- 1 Won **Gold** Medal at All India Inter NIT Officers and Faculty Badminton Tournament Held at SVNIT Surat in December 2016.
 - 2 Won **Bronze** Medal at Inter Technology University Sports Association Badminton Tournament Held at Punjab Engineering College Chandigarh in May 2014.
 - 3 Won **Silver** Medal at Inter College Volley Ball Tournament Held VITS Hyderabad in 2005.
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