

Profile

Dr. Vijaya Kumar begari, Assistant Professor

Department of Electrical and Electronics Engineering

Dr. Vijaya Kumar Begari is a dedicated educator and researcher with over 16 years of experience in Electrical and Electronics Engineering. Holding a B.Tech, M.Tech, and PhD from prestigious institutions, Dr. Vijaya Kumar Begari specializes in Power Systems, Electrical Machines, renewable energy, driving innovation through cutting-edge research and hands-on teaching.

Academic Journey

- B.Tech in Electrical and Electronics Engineering, R.G.M.C.E.T, Nandyal, 2006
- M.Tech in Electrical Power systems, Jawaharlal Nehru Technogical University, Anantapur, 2009.
- Ph.D in Electrical and Electronics Engineering, Jawaharlal Nehru Technogical University, Anantapur, 2025 – Thesis: "**Analysis of Multi Agent system for control of distributed Generators**".

Research and Publications

Dr. Vijaya Kumar Begari has authored papers in renowned journals such as Web of sciences and Scopus publications, focusing on Control of Distribution Generators. Notable works include:

- "GWO Algorithm based Energy Control Centre for DGs Using Multi Agent System", Web of Science Journal, 2022.
- "Optimized Multi Agent System for Stability Enhancement of Inter Connected Power system", Scopus Journal, 2023.
- "A Fuzzy Based Active Islanding Detection Method in Distributed Generation System", IEEE Conference, 2025.
- "Application of Grey Wolf Optimization based Multi Agent System for All Electric Naval Ship" Scopus Journal, 2023.

Teaching and Mentorship

Dr. Vijaya Kumar Begari teaches core courses like Power systems, Electrical Machines, Network Analysis and Control Systems, emphasizing practical learning through labs and projects. Has conducted numerous lab viva voces, guiding students in circuit design, MATLAB simulations. Mentored 200+ undergraduate and postgraduate theses, fostering skills in design thinking and innovation.

Professional Engagements

- Acted as a HoD of the Department for 10 Years in S.K.U College of Engineering & Technology, S.K University, Anantapur.
- Acted as a Examination Incharge for 1 year in S.K.U College of Engineering & Technology, S.K University, Anantapur.
- Acted as a Deputy Warden for 2 Years to Tungabhadra hostel, S.K University, Anantapur.
- Acted as a Convener for 6 National symposiums in S.K.U College of Engineering & Technology, S.K University, Anantapur.
- Attended 40+ Faculty development programs and workshops.
- External examiner for lab viva voces at G.Pulla Reddy Engineering College, Kurnool etc.

Dr. Vijaya Kumar Begari is passionate about bridging academia and industry, preparing students for real-world challenges in Electrical Engineering.