

FACULTY PROFILE

Faculty Name: B.PRUDVI KUMAR REDDY

Faculty Photo:



Faculty Description:

B.PRUDVI KUMAR REDDY is the Assistant Professor, Department of Electrical and Electronics Engineering at Dr.K.V.Subba Reddy Institute of Technology, Kurnool.

Profile Tab:

Qualification

Qualification	Institution	Year
Bachelor's degree	Stanley Stephen college of Engineering and technology	2012
Master's degree	Dr.K.V.Subba Reddy Institute of Technology, Kurnool.	2015

Experience

Designation	Institution	From	To
Assistant Professor	Dr.K.V.Subba Reddy Engineering College for Women, Kurnool.	2012	2014
Assistant Professor	Dr.K.V.Subba Reddy Institute of Technology, Kurnool.	2014	2019

Awards / Achievement

- First Class with Distinction in M.Tech

Responsibilities Tab:

Responsibilities

- Diploma HOS.

Responsibilities Held

Teaching Tab:

Expertise / list of subjects handled

- Under Graduate Courses: Electrical Circuits, Power System Analysis, Power system operation and control.
- Diploma Courses: Basic Electrical Engineering, Electrical utilization and Traction, Power Systems-I, Power systems-II, Electrical Installation and Estimation, Industrial Management and Smart Technology.

Research Tab:

Research Interest

- POWER DRIVES.
- POWER SYSTEMS.

Research projects (current)

Publications tab:

Books:

Conferences:

#1: "Advanced control of hybrid electrical vehicles based on cascaded multilevel inverter with PSMS drive."Advanced electrical systems & applications (AESA-2015)", held at Kurnool on 25th march, 2015.

#2: “Improving the stability of cascaded dc power supply system by adaptive active capacitor converter. “Advanced electrical systems & applications (AESAs-2015)”, held at Kurnool on 25th march 2015.

#3: comparative study of generators and PE converter in wind energy conversion system, NCIRET-2015, 25th April 2015, at Dr KVSRTIT.

Journals:

#1: Improving the stability of cascaded dc power supply system by adaptive active capacitor converter. In IJMERE Volume 4 Issue 11. NOV-2014

#2: Improving the stability of cascaded dc power supply system by adaptive active capacitor converter. In GJTE, Volume 2 Issue 3. MARCH-2015

#3: Advanced control of hybrid electrical vehicles based on cascaded multilevel inverter with PSMS drive. In GJTE, Volume 2 Issue 3. MARCH-2015

#4: ZVS and ZCS Based Power Converter for Renewable Energy Generation Applications. In IJATIR, Volume 8 Issue 22. December-2016

#5.: Controlling the Current in a Small-scale DC Microgrid requires the use of a multi-level converter, in JNAO: Theory & Applications, 2023.

#6: Four quadrant operation and control of three phase BLDC motor for electric vehicles, in IJFNS, Volume 10 , Iss 08, Aug 2021.

#7: Modelling and Control of rural PV micro grid using fuzzy logic controller, POSITIF Journal, Vol 21, Issue 6, 2021.

FDPs AND STTPs TAB:

1. Participated in a Six - Day Online Faculty Development Programme on “Micro Grid: Fundamentals, Control and Stability Aspects” organized by Department of Electrical and Electronics Engineering in Association with IEEE PELS chapter (STB15721F) of G. Pulla Reddy Engineering College(Autonomous) - (03rd-08th August 2023)

2. Participated in A six day Online Faculty Development Program ON “RECENT

ADVANCEMENTS IN POWER SYSTEMS” from 28/11/22 to 3/12/22.

3. Participated in the One Week Faculty Development Program on “Recent Advancements in Electrical Transportation Technologies”, held from 05/02/2022 to 11/02/2022 at Vivekananda Institute of Technology.

4. Participated in the Faculty Development Programme (FDP) on “Interactive Approaches in Handling Renewable Energy Systems Laboratory for the New Normal” organized by Sri Sivasubramaniya Nadar College of Engineering during June 29 – July 02, 2021.

Blog Tab:

Blog link