

FACULTY PROFILE

Faculty Name: A.RAJA BABU

Faculty Photo:



Faculty Description:

A.Raja Babu 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	GPREG, SKD, Ananthapur	2004
Master's degree	JNTUCE, Ananthapur	2011

Experience

Designation	Institution	From	To
Assistant Professor	Dr.K.V.Subba Reddy Institute of Technology, Kurnool.	2018	Till date
Assistant Professor	Geethanjali College of Engineering and Technology, Kurnool.	2017	2018
Assistant Professor	Dr.K.V.Subba Reddy Institute of Technology, Kurnool	2015	2017
Assistant Professor	G.Pullaiiah College of Engineering and Technology, Kurnool.	2014	2015
Assistant Professor	Dr.K.V.Subba Reddy College of Engineering for women, Kurnool	2011	2014

Awards / Achievement

Responsibilities Tab:

Responsibilities

- Academic Counselor for II B.Tech Electrical and Electronics Engineering in Dr.K.V.Subba Reddy Institute of Technology, Kurnool.
- Disciplinary in charge for Electrical and Electronics Engineering in Dr.K.V.Subba Reddy Institute of Technology, Kurnool

Teaching Tab:

Expertise / list of subjects handled

- **Under Graduate Courses:** Electrical Measurements, Generation of Electrical Power, Electrical Circuits, Electrical Networks, Electro Magnetic fields, Electrical Machines-I, Electrical Machines-II, Electrical Machines-III, Power Quality, Electrical Distribution Systems.
- **Post Graduate Courses:** HVDC, FACTS, AC Drives.

Research Tab:

Research Interest

- Power Quality Improvement.
- Machine Modeling.
- Wireless power transfer in 3 Dimensional Spaces.
- Self-Switching Power Supply.
- Light Emitting Diode Based Automatic Emergency Light Systems.

Publications tab:

Journals

1. "Advanced Control of Hybrid Electrical Vehicles Based on Cascaded Multilevel inverter with PSMS Dreive." GJTE.
2. "Comparative Study of Generators and Power Electronic Converters in Wind Energy Conversion Systems: A Review." GJTE
3. Implementation of 49th level H-Bridge cascaded Multilevel inverters Topology with reduced number of components IJPRES

4. “Speed Control of DC motor using isolated dc-dc converter” in International Journal of Food and Nutritional Sciences, Journal Volume 10 , Iss 1, Jan 2021.
5. “Power Quality Improvement in Hybrid Power System using D-statcom” in Material Science and Technology, Vol.21 No.06, Nov 2022. DOI:10.10543/f0299.2022.41950.
6. “A Novel Controller for enhancing the dynamic performance of a single-phase cascaded h-bridge multilevel inverter”, in POSITIF Journal, Vol 21, Issue 4, 2021.
7. “UPFC based Multilevel Cascade Converter for Power Quality Improvement in DC system”, in Turkish Journal of Computer and Mathematics Education (TURCOMAT), Vol.11 No.3 (2020),2643-2648.

FDPs AND STTPs TAB :

1. Participated in A One-week National Level Online Faculty Development Programme on “Recent Trends in Green Energy Initiatives and Soft Computing Techniques” from 11-07-2023 to 17-07-2023 organized by the Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology.
2. Participated in the Training programme/FDP On “Art Of Writing Research paper methods & solution (Advanced Tools and Techniques for Research methodology) Organised by Saga University-Indore, Research Foundation Of India & RFI-CARE from 24 september to 30 september 2022.
3. Participated in AICTE sponsored one week Online Short Term Training Programme (STTP) on “Power Systems and Power Electronics for Green Energy”, held by Department of EEE, Vignans Institute of Engineering for Women, during 20-09-2021 to 25-09-2021.
4. Participating in the one week online FDP on “Being a Super Teacher” from July 6 to July 12, 2020.

Blog Tab:

Blog link : rajababu41.blogspot.com