

FACULTY PROFILE

Faculty Name: Dr K.RAJESH

Department: EEE

Designation: HOD & Associate Professor

Faculty Photo:



Faculty Description:

Dr. K. Rajesh received Ph.D. in Electrical Engineering from JNTUACE University, Ananthapuramu in the year 2023, and M.Tech from the same JNTUACE University in the year 2012. He worked in various institutions and has as working experience of 13 years. His area of interest includes Economic load dispatch using optimization techniques, Unit commitment, Renewable energy sources, and Demand side management. He guided many B.tech and M.Tech Projects over a period of his experience.

Profile Tab:

Qualification

Qualification	Institution	Year
Ph.D.	Jawaharlal Nehru Technological University Anantapur, Ananthapuramu	2023
M. Tech	Jawaharlal Nehru Technological University Anantapur, Ananthapuramu	2012
B. Tech	G. Pulla Reddy Engineering College	2007

Experience

Designation	Institution	From	To
Adhoc Lecturer	JNTUACEP, Pulivendula.	Feb 2009	Dec 2010
Assistant Professor	BITS, Kurnool	July 2013	June 2017

Designation	Institution	From	To
Assistant Professor	RGM CET, Nandyal	June 2017	April 2019
Associate Professor	Dr. KVS RIT, Kurnool	May 2019	till date

Awards / Achievement

- IJPEDS Scopus indexed journal has given the Certificate of Appreciation as Reviewer in the year 2023.
- Got an NPTEL certificate for the course of “Micro grid and control systems” in the year 2023.

Responsibilities Tab:

Responsibilities

Working as a faculty

The following responsibilities are carried out as a faculty

- 1) Teaching regular Course Work
- 2) NBA Coordinator
- 3) Continues research
- 4) Project Coordinator
- 5) Placement Coordinator
- 6) Mentoring Students
- 7)

Teaching Tab:

Expertise / list of subjects handled

- Power System Analysis,
- Network Analysis,
- Electrical Distribution System,
- Basic Electrical Engineering,
- Electrical Technology,
- Electrical Circuits,
- Control Systems,
- Power Quality,
- Electrical Machines-I,
- Electric Vehicles
- Energy Audit

Research Tab:

- Power Systems
- Control Systems
- Power Electronics

Publications tab:

- 1) K. Rajesh, A. Mallikarjuna Prasad, S. Masum Basha, “Electric Vehicle Regenerative Braking powered by a BLDC motor” in Material Science and Technology, Vol.22 No.08 2023.

- 2) K.Rajesh, Y. Rajasekhar, S. Vijayakumar, "Optimizing DG for Disruptions in Unbalanced Systems through grid-connected conversion", in POSITIF Journal, Vol 23, Issue 4 2023.
- 3) M. Bhaskar, K.Rajesh, P. Narendra, "power quality improvement using dynamic voltage restorer", in Journal of Nonlinear Analysis and Optimization: Theory & Applications, Vol. 13, Issue. 2 2022.
- 4) K. Sivaramudu, B. Prudvi Kumar Reddy, K.Rajesh, "Modelling and Control of Rural PV micro grid using fuzzy logic controller", POSITIF Journal, Vol 21, Issue 6, 2021.
- 5) K. Rajesh, N. Visali, "Aggregation of Unit Commitment with Demand Side Management", J. Electr. Eng. Technol. (2021).
- 6) K. Rajesh, N. Visali "Trade off Curve of an Economic Emission Load Dispatch using NSGA-II and PVDE", ARPN Journal of Engineering and Applied Sciences, Vol. 15, no. 1, January 2020. ISSN 1819-6608.
- 7) K. Rajesh, N. Visali, "Hybrid method for achieving Pareto front on economic emission dispatch", IJECE, Vol.10, No.4, August 2020, pp. 3358-3366, ISSN: 2088-8708.
- 8) K. Rajesh, N. Visali and N. Sreenivasulu, "Optimal Load Scheduling of Thermal Power Plants by Genetic Algorithm", in Emerging Trends in Electrical, Communications, and Information Technologies Proceedings of ICECIT-2018, Lecture Notes in Electrical Engineering 569.
- 9) K. Rajesh, N. Visali, "Evolutionary Algorithm for Optimal Scheduling of Thermal Units in an Integrated Power System", International Journal of Innovative Technology and Exploring Engineering, Vol 8 (9), 2019
- 10) K.Rajesh, N. Visali, "Demand Response Unit Commitment using Modified Hybrid Method in Power System." CVR Journal of Science and Technology 21.1 (2021): 77-83.
- 11) K. Rajesh, N. Visali, "State of art on Economic Load Dispatch with Single and Multi-objective Functions", in 2nd international conference on emerging trends in engineering, science and management (ICEEMS), December 2018.
- 12) K. Rajesh, N. Visali, "Economic Emission Load Dispatch Using Hybrid Method for a Tradeoff Curve", in 2nd international conference on emerging trends in engineering, science and management (ICEEMS), December 2018.

Workshops

- Participated in one week Online Faculty Development Program on "PYTHON FOR ELECTRICAL & ELECTRONICS ENGINEERING: A FACULTY DEVELOPMENT PROGRAM ON PYTHON APPLICATIONS Organized by the Dept. of EEE, Rajeev Gandhi Memorial College of Engineering & Technology in the 8th Dec 2020 to 14th Dec 2020.
- Participated in AICTE sponsored six days online 'Short Term Training Program (STTP)' on "Automation Technologies – Phase 2" from, "April 5th - 10th, 2021.
- 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, Vignan's Institute of Engineering for Women, Visakhapatnam, during 20th sept to 25th sept 2021.

- Participated in a six day Online Faculty Development Program ON “RECENT ADVANCEMENTS IN POWER SYSTEMS “, Organized by the Dept. of EEE, Godavari Institute of Engineering and Technology from 28/11/22 to 3/12/22
- Participated in five day FDP on “HYBRID ELECTRIC VEHICLES” Jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 21st -25th November 2022.
- Participated in A One-week National Level Online Faculty Development Programme on “Recent Trends in Green Energy Initiatives and Soft Computing Techniques” from 11th july to 17th july 2023 organized by the Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.
- Participated in Five Day Online Faculty Development Programme on “Emerging Trends and Challenges in Renewable Energy Systems” held during 5th Feb 2024 to 9th Feb 2024.

Blog Tab: