

FACULTY PROFILE

Name: G. JHANSI RANI

Designation: Assistant professor(c)

Department: Electrical Engineering

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EDUCATIONAL QUALIFICATIONS:

1. B. Tech (Electrical and Electronics Engineering) , Nalla malla reddy engineering college Hyderabad, JNTUH.
2. M. Tech (Power and industrial drives) , JNTUCEA, JNTUA.
3. Submitted (Ph.D.) Thesis in EED, UCE(A), OU

WORK EXPERIENCE:

S.No.	Organization/Institute	Designation	Period
1	University College of Engineering(A), Osmania University	Assistant Professor(c)	July 2009 to till date

AREAS OF INTEREST:

Power electronics, Electric drives, special machines

PUBLICATIONS:

- [1]. **G. Jhansi Rani**, P. Srinivas, "Implementation of Dual Active Full Bridge DC-DC Converter Using Phase Shift Control Technique" International Journal of Creative Research Thoughts, Volume 6: Issue: 2 April 2018, ISSN: 2320-2882, DOI: <http://doi.one/10.1729/Journal.35793>.
- [2]. **G. Jhansi Rani**, P. Srinivas, "Performance exploration of Single Phase DAB DC-DC converter under load variation", International Research Journal of Engineering and Technology, Volume: 10, Issue: 04, pages: 1029-1035, April-2023, ISSN: 2395-0072.

[3]. **G. Jhansi Rani**, E. Vidyasagar, “Control of PV Integrated DAB Under Shading Conditions Using Improved Incremental Conductance MPPT Scheme” Journal of Harbin Engineering University, Volume 44, Issue 11, pages: 644-650, NOV-2023. ISSN: 1006-7043.

[4]. B. Anil Kumar and **G. Jhansi Rani**, “Design and Performance Analysis of Battery Electric Vehicle using MATLAB/Simulink,” Journal Of Technology, ISSN 1012-3407 vol. 14, no. 3, 2024.

[5]. B. Anil Kumar and **G. Jhansi Rani** “Design and Comparative analysis of Analysis of Battery Electric Vehicle” Journal of Engineering and Technology Management, ISSN 1879-1719. vol 73 2024

S.No.	Author	Publication type	Title	Year of Publication
1	G. Jhansi Rani Prof. P. Srinivas	PATENT APPLICATION PUBLICATION	DESIGN AND ASSESSMENT OF INTERFACE CIRCUIT FOCUSED ON BIDIRECTIONAL DC TO DC CONVERTER	05/02/2021
2	G. Jhansi Rani	International conferences on advanced material technologies ICAMT-2016	Dg placement for maximum loss reduction in radial distribution system using ABC algorithm	27 th -28 th Dec.,2016

FACULTY DEVELOPMENT PROGRAMS/ WORK SHOPS:

S. No	Name of the Program	Duration	Venue
1	One week Faculty Development Program on “Advances in Power Electronics and Drives”	12 th to 17 th May, 2014	Dept. of Electrical Engineering, UCE(A), OU
2	One week Faculty Development Program on “Distributed Generation and Power Quality Issues”	30 th June to 5 th July, 2014	Dept. of Electrical Engineering, UCE(A), OU
3	One Day Workshop on “How to Write Research Proposal”	18 th Sept 2015	Dept. of Electrical Engineering, UCE(A), OU
4	One week training programme on power electronics and drives for vehicular systems- technology status and future trends	23-28 november-2015	Dept. of Electrical Engineering, UCE(A), OU
5	One Day “Awareness Workshop on Outcome Based Education and Accreditation”	18 th Dec 2016	UCE(A), OU, Hyderabad In Association with NBA, New Delhi
6	Two-day FDP on “Power Quality – Harmonic Analysis for Power Systems”.	19 th and 20 th Sep.,2016	Dept. of Electrical Engineering, UCE(A), OU, HYD.
7	One day workshop on women for excellence	9 th march-2016	UCE(A), OU, Hyderabad
8	A Short-Term Course on “Engineering Research Methodology”	11 th to 14 th Dec.,2017	Dept. Of Mechanical Engineering, UCE, OU, HYD.
9	One day workshop on women for excellence	8 th march-2017	UCE(A), OU, Hyderabad
10	One week GIAN short term course on “High Voltage Gain Soft-Switching Advanced Current-fed Technologies for Micro grid and Electric Transportation”.	18 th to 23 rd Dec., 2017.	Dept. of Electrical Engineering, UCE(A), OU, HYD.
11	Two week faculty development program on power electronics for renewable energy systems-present trends and future scope	13 th -25 th November 2017	Chaitanya bhārathi institute of technology, Hyderabad
12	One day Induction Program	20 th Jan.,2018	UCE (A), OU

13	Two-day online workshop on “Reliability and It’s Applications to Power systems and Drives”	26 th to 27 th June 2020	EED, UCE(A), OU, Hyderabad.
14	Three day online faculty development program on hybrid electric vehicles and battery management systems	28 th -30 th january-2021	CVR College of engineering, Hyderabad

WEBINARS:

S. No	Name of the Program	Duration	Venue
01	National level webinar on Renewable energy technology-wind	03/09/2021	SRM TRP Engineering College, Trichy