

# FACULTY PROFILE

Name: G. JHANSI RANI

Designation: Assistant professor(c)

Department: Electrical Engineering

Email ID: [jhansirani.g@uceou.edu](mailto:jhansirani.g@uceou.edu)

Phone No: (Office): 040-27098628

## 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, 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 0923-4748, 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 <sup>th</sup> -28 <sup>th</sup> 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 <sup>th</sup> to 17 <sup>th</sup> May, 2014	Dept. of Electrical Engineering, UCE(A), OU
2	One week Faculty Development Program on “Distributed Generation and Power Quality Issues”	30 <sup>th</sup> June to 5 <sup>th</sup> July, 2014	Dept. of Electrical Engineering, UCE(A), OU

3	One Day Workshop on “How to Write Research Proposal”	18 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> and 20 <sup>th</sup> Sep.,2016	Dept. of Electrical Engineering, UCE(A), OU, HYD.
7	One day workshop on women for excellence	9 <sup>th</sup> march-2016	UCE(A), OU, Hyderabad
8	A Short-Term Course on “Engineering Research Methodology”	11 <sup>th</sup> to 14 <sup>th</sup> Dec.,2017	Dept. Of Mechanical Engineering, UCE, OU, HYD.
9	One day workshop on women for excellence	8 <sup>th</sup> 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 <sup>th</sup> to 23 <sup>rd</sup> 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 <sup>th</sup> -25 <sup>th</sup> November 2017	Chaitanya bhathathi institute of technology, Hyderabad
12	One day Induction Program	20 <sup>th</sup> Jan.,2018	UCE (A), OU
13	Two-day online workshop on “Reliability and It’s Applications to Power systems and Drives”	26 <sup>th</sup> to 27 <sup>th</sup> June 2020	EED, UCE(A), OU, Hyderabad.
14	Three day online faculty development program on hybrid electric vehicles and battery management systems	28 <sup>th</sup> -30 <sup>th</sup> 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

