

## Curriculum Vitae



**Name:** Ruchita P. Dahad (Maheshwari)

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**Date of Birth:** 8/10/1978

### Academic Credentials

Qualifying Examination	Specialization	University/Institute	Year of passing	Percentage of marks obtained	Remarks
M.Tech	Power system and Drive	Aligarh Muslim University	2004	76	
B.Tech	Electrical	Aligarh Muslim University	2001	73	III <sup>rd</sup> position holder
Diploma in Engg	Electronics	Aligarh Muslim University	1997	78	
SSC		UP board	1993	73	10 <sup>th</sup> position in district Aligarh

**M.Tech. Project:** Modelling of a single machine infinite bus power system for dynamic stability.

**Key Research Areas:** Power Electronics and Electrical Drive

### Experience

Sr no	Organization	Post	Duration
1	Moradabad Institute of technology	Lecturer	1.5year
2	GS Mandal's Marathwada institute of	Assistant Professor	From 2007 till date

technology	(16 years)
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**List of courses taught at UG level:**

- Electrical Machine I
- Electrical Machine II
- Electrical Machine Design
- Network Theory
- Electrical power generation
- Power Electronics
- Electrical Drive
- Special Purpose Electrical Machine
- Advanced Renewable Energy Sources

**List of courses taught at PG level:**

- AC Drive
- DC Drive
- Modern Power Electronic

**Additional Assignment/duties:**

- Working as Department PG coordinator since 2016
- Working as central timetable coordinator
- Working as Lab-in charge of Power Electronics and Drive Lab
- Two times worked as chief superintendent of exam (BAMU and BATU)
- Conducted UPSC and MPSC(twice) at central level
- Worked as Department NBA coordinator
- Worked many times as class teacher
- Worked as department timetable coordinator
- Coordinate three times department level Event 'Techelectra'

**Total experience in Years:**

- 1) Teaching :17 years
- 2) Industry : 0                      Research: 0

**Papers Published:**

International: 6

## **Membership of Professional Bodies**

Institute of Engineer Lifelong membership

## **Research Projects/Projects Guided**

5 PG and almost 25 UG level project have been guided

## **Computer/Software Proficiency**

- MATLAB, PSIM

## **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended**

- Attended 4 days workshop on “ Introduction to MATLAB” from 14<sup>th</sup> to 17<sup>th</sup> July 2009 at MIT Aurangabad
- Attended 1day workshop on “ Effective Research Methodology” on 7/2/2010 at MIT Aurangabad
- Attended 5 days STTP on “ Tools and Techniques for Effective Technical Writing” from 13<sup>th</sup> to 17<sup>th</sup> May 2013 at Mumbai.
- Attended Seimens training on “ Basic Automation with S7 1200 and S7 300 ,Basic course on SCADA, Basic course on PCS7” from 2/10/2013 to 08/03/2014 at MIT Aurangabad.
- Attended two days workshop on “ Research Methodology” from 13<sup>th</sup> to 14<sup>th</sup> march 2015 at MIT Aurangabad
- Attended two weeks STTP on“Electric Power System” from 12<sup>th</sup> June to 15<sup>th</sup> July 2017 at MIT Aurangabad(ICT,MHRD)
- Attended two weeks FDP on “Pedalogy for online and blended Teaching learning Process” from 3/5/2018 to 30/5/2018 at MIT Aurangabad(MHRD)
- Attended four days FDP on “Electric vehicle and technology” from 5<sup>Th</sup> to 9<sup>th</sup> July 2021.
- Attended four days FDP on “Basics of Electric vehicle ” from 25<sup>th</sup> feb to 1<sup>st</sup> march 2022 July 22.

- Attended one week FDP on “Power quality and solutions ” from 30/1/23 to 3/2/23 conducted by NITTR chandigarh.
- Attended one week FDP on “Electric Vehicle ” from 15/1/24 to 20/1/24.

### **List of Research Publications**

#### **Papers in National/ International Journal**

- Prasad S.Barde, Dr S.M.Badave, Ruchita P.Dahad 2022 “Design of Artificial Intelligence based PID controller for Electric Vehicle Power Train Modelling” International Journal of Advances in Engineering and Management(IJAEM),Vol(IV) Issue 8.
- Mohini Bhadikar, Dr S.M.Badave, Ruchita P.Dahad 2020“ Study of analysis of improved active power filter with power quality features” The international journal of analytical and experimental modal analysis ,Vol. XII issue IV.
- Mohini Bhadikar, Dr S.M.Badave, Ruchita P.Dahad 2020 “Improved 15 level Inverter based SSA Driven Multi level Shunt active power Filter for power Quality enhancement” International Journal of analytical and experimental modal analysis, Vol(XII),Issue XI.
- Harshal D.Vaidya , Dr S.M.Badave , Ruchita P. Dahad 2019, “Hardware Implementation of Non -Isolated Sextuple Output Hybrid converter” International Journal of Engineering Trends and Technology(IJETT),Vol.67 Issue 11.
- Jayshri E.Patwardhan, Ruchita Maheshwari 2017, “A High Static Gain Modified SEPIC converter with PV module and MPPT ”, International Research Journal of Engineering and Technology,(IRJET) Vol.24 Issue 1, pp.835 to 841.
- Mahajan sagar Bhaskar,Pandav Kiran Maroti,Ruchita Maheshwari Pachgade Ruchi M.2015 “ Multilevel Inverter With Level Shifting SPWM Technique using Fewer Number of switching for solar Applications” International Journal of Research in Engineering and Technology( IJRET),Vol(04),Issue 10

## NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
August 2018	October 2018	8 week	Developing soft skills and personality	73	Successfully completed
August 2019	October 2019	8 weeks	Accreditation and outcome based learning	90	Elite Golden
July 2019	September 2019	8 weeks	Fundamental of Electrical Drive	77	Elite Silver
Jan 2023	April 2024	12 week	NBA accreditation and teaching and learning	70	Successfully completed
January 2024	March 2024	8 week	Vehicle Dynamics and Electric Motor Drives	61	Successfully completed

Date: 20/6/24

Place: Aurangabad