

CURRICULUM VITAE

Minal Ramesh Rade

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Career Objective

To work with an organization that provides a motivating work environment, where my technical, analytical and problem solving skills can be put in for a successful career, Improve the standard of profession and empowering them with necessary skills, qualities, knowledge, attitude and value of time

Summary of Skills

- Hands on with MATLAB Simulink and Model Based Design.
- MATLAB: Developed Simulink Model for Hybrid Energy Storage System with integration of DC/DC converter for EV
- Knowledge of Control System, Controller Design.
- Good Technical & Analytical Skills
- Good Presentation Skills
- Sound Oral and written communication skills.

Software Skills

- MATLAB
- ETAP
- PSCAD
- PSIM Power Simulation
- Turbo C
- ERP

Educational Qualifications

Sr. No	Degree	University/Board	Year of Passing	% CGPA	Class Awarded
1.	M.E	Savitribai Phule Pune University	2015	7.99	First Class with Distinction
2.	B.E	North Maharashtra University, Jalgaon	2012	78.13	First Class with Distinction
3.	H.S.C	Nashik Board	2008	67.17	First Class
4.	S.S.C	Nashik Board	2006	84.00	First Class with Distinction

Academic projects

Project Name: Efficient Hybrid Energy Storage System for plug-in Electric Vehicle in M.E.

Environment: Power Electronics

Duration: 1 year

Team Size: 1

Project Name: Shockproof Wiring System in B.E.

Duration: 6 months

Team Size: 4

Current Job Profile

Dr. D.Y. Patil Institute of Technology Pimpri, Pune as Assistant Professor from March, 2021 to till date.

Job Profile

- Conducting theory lectures covering applications of engineering design.
- Provide technical guidance to students for project works.
- Conduct Practical related with Power System using MATLAB.
- Extend research on Design of Hybrid Energy Storage System(Ultracapacitors and Battery).

Previous Experience

1. K.K. Wagh Institute of Engineering Education and Research, Nashik as Assistant Professor from June, 2015 to Feb 2021.

Job Profile

- Conducting theory lectures on Power System operation & control, and Hybrid Electric Vehicle, Energy Storage Systems.
- Provide technical guidance to students for project works related to Design and Sizing of Battery Energy Storage System (BESS), Interconnection of hybrid energy sources using various tools of MATLAB.
- Conduct Practical related with Power System Operation and Control using MATLAB.
- Extend research work in Design and Sizing of Batteries.
- Extend research on Design of Hybrid Energy Storage System(Ultracapacitors and Battery).

Publications

- Paper Titled.” Effect of vehicle dynamics on Performance of Electric Vehicle”, published in ISUW 2025 proceedings of 12th international Conference and Exhibition on Smart Energy and Smart Mobility (Springer) (in Progress)
- Paper Titled,” **Battery/Super capacitor Energy Management system for Electric Vehicle**” is published in IOP Conf. Series: Earth and Environmental Science in Aug. 2024 doi:10.1088/1755-1315/1285/1/012032
- Paper Titled.” A Review on energy management control strategies for hybrid energy storage system in electric vehicles”, presented in **International Conference on Engineering Innovations for Sustainable Future (ICEISF-2025)** during 6th - 7th January, 2025 at K.K. Wagh Institute of Engineering Education and Research, Nashik (MH).
- Paper Titled,” **Performance Evaluation of Electric Vehicle using Hybrid Energy Storage System**” is published in ISUW 2019 proceedings of 5th international Conference and Exhibition on Smart Grids and Smart cities (Springer).

- Paper Titled, ” **Impacts of Electric Vehicle Charger on the Power Grid**” is published in ISUW 2019 proceedings of 5th international Conference and Exhibition on Smart Grids and Smart cities (Springer).
- Paper Titled “**Design and Development of Hybrid Energy Storage System for Electric Vehicle** is published in International Conference on Information, Communication, Engineering and Technology (ICICET 2018) IEEE Conference No: 43512, Pune Section. 29th -31st August 2018
- Paper Titled “**Battery-Ultracapacitor Combination Used as Energy storage System in Electric Vehicle** is published in International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2015) IEEE, Bangalore.
- Paper Titled “**Efficient Hybrid Energy Storage for Plug-In Electric Vehicle** is published in International Conference on Global Trends in Engg. Tech. and Management, 2015, Jalgaon

Training/Workshop Attended

- Five-day Faculty Development Program on "Integrating Electric Vehicle Design, Simulation, and Control into Engineering Education" jointly organized by All India Council of Technical Education (AICTE), MathWorks® and COEP Technological University, Pune held from 26th Aug to 30th Aug 2024 at COEP Technological University, Pune under the AICTE- KARYASHALA initiative.
- AICTE Sponsored QIP – Short Term Course on Research Communication at IIT BHU, Varanasi during December 2-6, 2019.
- Online Coursera Course: Introduction to Battery Management System by University of Colorado
- NPTEL Four week Course on “Electric Vehicle Part-I” by Prof. Amit Sing April 2019
- Two Week TEQIP Sponsored STTP on “Power Electronics for Distribution System and Electric Drives” at SVNIT Surat during 25th June -04th July 2018 One Week STTP on “Power Quality and Distributed Power Generation” in year 2017.
- NPTEL Twelve week Course on “Power System Engineering” by Prof. Debapriya Das. April 2018
- One Week STTP at SVNIT, Surat on Power Quality and Distributed Power Generation 20th -24th Dec 2017
- Two Week ISTE STTP on Electrical Power System conducted by IIT Khargpur 12th June 2017- 15th July 2017 (Online activity from 12th June 2017- 15th July 2017 and Physical Participation from 10th July to 15th July 2017)
- Two Days FDP on FDP On Arduino Basics Applications and Hands on Practice organized by MMCOE, Pune on 13th-14th Dec, 2016
- One Week STTP on “Microgrid, Smartgrid and Future Energy Paradigms” sponsored by TEQIP-II held at FCRIT, Vashi, Navi Mumbai on 27th June- 1st July, 2016.
- National Level Workshop on “Disruptive Innovation & Recent Trends in Energy Research and Energy Storage Technologies” on 26-27 Feb, 2016.
- National Workshop on “Overviews, Applications & Designing Solar PV Systems” sponsored by IET-Local network Nashik on 21-22 Jan, 2016.

Personal Details

Name	: Minal Ramesh Rade
Date of Birth	: 9 th March 1990
Gender	: Female
Languages Known	: English, Marathi, Hindi,
Marital Status	: Married
Permanent Address	: 301, Sanskruti Apt., S.B.Patil College Road, Near Ekveera Gym, Ravet, Pune Maharashtra, India. Pin 412101
Notice period	: 1 month
Current CTC	: 4.20 LPA

Place: Pune

Date: Minal Ramesh Rade