

Teacher Profile

Full Name: Mr.Vaibhav Balasaheb Tarate
Designation: Assistant Professor
Department: Electrical Engineering
Total Experience in Years: 09 Year's
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Educational Details:

Degree	University	Year of Passing
M.E. (Electrical Power System)	SPPU,Pune	2025
B.E (Electrical Engineering)	SPPU,Pune	2017

Subject Though:

EIDCBM (TE), Electric & Hybrid Vehicle (BE), Power System I (SE), Power System II (TE)

Research Publications Details:

1	'TZSI-Infused Adaptive Voltage Conditioning via High-Precision Vectorial Modulation', IEEE Conference on Trends in Material Science and Inventive Materials (ICTMIM-2025) CFP250J1-DVD; ISBN: 979-8-3315-0147-1
2	'Review of A Novel Solar Photovoltaic Fed Trans ZSI DVR for Power Quality Improvement of Grid-Connected PV Systems', IJCRT Volume 12, Issue 12 December 2024 ISSN: 2320-2882
3	'A Sunbeam: A Comprehensive Review of Wireless Microwave Power Transmission via Solar Power Satellites', International Journal of Research Publication and Reviews, Vol 5, no 4, pp 4633-4639 April 2024
4	'Underground Cable Fault Detection System', in the International Journal of Scientific Research in Science, Engineering and Technology, Volume 11, Issue 2
5	'Transforming Institutes into Energy – Efficient Hubs through Automation', in the International Journal of Scientific Research in Science, Engineering and Technology, Volume 10, Issue 3, May-June-2023.

Conferences/Workshop/Training/ FDP Attended:

1	FDP on Advances In Engineering And Technology
2	FDP on Carbon Footprint: Paving the Way to Sustainable Solution
3	FDP on Emerging Trends In Electrical Engineering
4	FDP on EV Technology: Battery Modeling, Sensors, BMS, Motors, and E-Bus Charging
5	FDP on Recent Trends in Renewable Energy System
6	FDP on Recent Advances and Challenges in electric, Hybrid & Fuel Cell Vehicle
7	FDP on Emerging and innovative approaches in Management, IT and Communication in teaching and research.
8	FDP on Selection Of LV Switchgear & Application at L&T Training Centre, Pune
Other	Workshop: 05 , Webinar: 01 , Short duration Course: 10

Scholarly Interest & Expertise: Power quality Enhancement.