

## FACULTY PROFILE

**Mrs. Rekha Sunil Tidke**  
**Assistant Professor**  
**Department of Electrical Engineering**

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### QUALIFICATION

- PhD Pursuing from SVNIT Surat
- ME (Electrical Engg- Control Systems)
- BE (Electrical Engg)

### TEACHING EXPERIENCE

- Current Experience: 13 years 7 months
- Past Experience: 2 years 5 months

### RESEARCH PUBLICATIONS

1. R. Tidke and A. Chowdhury, "Quasi ZSI-fed sliding mode control-based indirect field-oriented control of IM using PI-fuzzy logic speed controller", *Electrica*, 22(1), 70-83, Jan. 2022. DOI:10.5152/electrica.2021.21081
2. Rekha Tidke and Anandita Chowdhury, "Performance Analysis of Fuzzy Logic-Sliding Mode controlled Induction Motor Drive", *International Journal of Electric and Hybrid Electric Vehicle*, Vol 15. Issue 4, DOI:10.1504/IJEHV.2023.10057173.
3. Rekha Tidke, Anandita Chowdhury, "Experimental Analysis of Prototype Modeling of Fuzzy Logic-Sliding Mode Controlled Induction Motor Drive", *AIMS Electronics and Electrical engineering (ElectronEng)* (Scopus indexed journal and DOAJ). 2024, Volume 8, Issue 3: 340-359. DOI: 10.3934/electreng.2024016 ISSN Number: ISSN 2578-1588 Publisher: American Institute of Mathematical Sciences (AIMS) press

## ADMINISTRATIVE WORK

Sr. No.	Post	Description
1.	Exam coordinator From 2016 to 2021	Exam schedule preparation as per slot provided by SPPU for SE to BE of Semester I (odd) and semester II (even). Exam time table time to time communication with students and faculty. Allotment of internal examiners.
2	EPSA coordinator for year of 2022	Under Students chapter EPSA, committee formation and various activity conduction.
3.	Time Table coordinator From 2023 onwards	Time table preparation and distribution for SE to BE of Semester I (odd) and semester II (even)

## UNIVERSITY RESPONSIBILITIES

Sr. No.	Post	Duties
1.	Member	Life time Member of Indian Society for Technical Education (ISTE)
2.	Subject Expert	Subject Expert for the Advance Microcontroller and Embedded System
3.	Examiners (External and Internal)	Practical and Theory subjects of Engineering Paper setter and examiner

## FDP/WORKSHOP/WEBINAR/SEMINAR ATTENDED

1. FDP on Electric Vehicle from 4/09/2014 to 4/10/2024 organized by SkillDzire in collaboration with AICTE.
2. FDP on Recent trends in Renewable energy system, from 3/10/2023 to 09/10/2023 form JSPM's Rajashri Shahu College of Engineering, Pune.
3. STTP on Python Programming at CCE SVNIT Surat from 26/12/2022 to 30/12/2022.
4. STTP on Sustainable Development and Recent Advances in Electrical Engineering, 26th September 2022 to 30th September 2022.
5. ANSYS WORKSHOP on Electromagnetics design, at EED, RHSCOEMSR, Nashik, from 10-11 August 2022.

6. ATAL FDP on Emerging Trends and Developments in Electric Vehicles, at EED, NIT Manipur from 25-29th Oct 2021.
7. ATAL FDP on Electric Vehicle Technology: Challenges and Business Opportunity, National Small Industries Corp. Ltd, A Government of India Enterprise, Hyderabad from 08-12th Nov 2021.
8. STTP on Program on outcome-based teaching, assessment, and evaluation, NBN Sinhgad school of Engineering Pune and InpodsInc.USA. from August 2nd-4th, 2021.

## **ACHIEVEMENTS**

1. Mrs. R S Tidke has invited **as reviewer** for International Conference on Sustainable Development Goals & Gender Perspective (ICSDGAGP) 2021, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India.
2. Mrs. R. S. Tidke conducting a session on Wednesday, 11/08/2021 as resource person for the subject “Advanced Microcontroller and Embedded System”, organised by Dr. D. Y. Patil Institute of Technology, Pimpri, Pune, Under the BoS (Electrical), SPPU, Pune, Online **Faculty Orientation Workshop TE (Electrical)** Revised Syllabus (2019 Course).
3. Mrs. Rekha S. Tidke, has been felicitated for “**Long Service Award**” by Gokhale Education Society during Society Foundation Day in 19<sup>th</sup> Feb 2024.

Mrs. Rekha S. Tidke