



## Mrs. Akshaya Abhishek Taware

Assistant Professor, Department of Civil Engineering



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### OVERVIEW:

**Qualifications:** Ph.D.(pursuing), ME Civil (Structures), BE (Civil)  
**Experience:** Teaching -14 years  
**Date of Joining STES:** 02/07/2012  
**Skills and Proficiencies:** ETABS (Structural software), ABAQUS (FEM software), STAAD Pro 2007 (Structural software), AutoCAD (Drafting software), Microsoft office

### SIGNIFICANT ACHIEVEMENTS:

- Twice Pune University Rank Holder with 5th rank in 2006-07 and 8th rank in 2007-08.
- Achieved Silver medal for NPTEL Course in the subject Reinforced Concrete Road Bridges.
- Member of SPPU Paper setter for UG as well as PG courses.
- Member of Syllabus Orientation Workshop for S.E. Civil (2019 Pat.)

### AREA OF EXPERTISE /RESEARCH INTERESTS:

- Earthquake Engineering, Structural Engineering

### NUMBER OF STUDENTS GUIDED:

- M.E. – 06, B.E. – 24

### RESEARCH PULICATIONS:

#### Publication Summary:

Scopus/ SCIE – 01

International journal- 05

Conference-02

[https://scholar.google.com/citations?user=YCu\\_sh4AAAAJ&hl=en](https://scholar.google.com/citations?user=YCu_sh4AAAAJ&hl=en)

### RESEARCH WORK:

#### Research Work:

- Developed a model of Trickle Filters using Plastic Media where wastewater was distributed over the media, allowing it to trickle or flow over the surface, providing a large area for the microorganisms to grow and come into contact with the organic matter in the

wastewater. Utilizing a plastic media provided a long service life and was less prone to clogging compared to traditional rock or gravel media. Thus this offered an effective and sustainable way to treat wastewater by providing a large surface area for microbial growth and ensuring a high level of treatment efficiency.

### **NOTABLE GUIDED PROJECTS:**

#### **PG projects:**

- Study of Seismic behaviour of diagonally reinforced concrete coupling beams (AY 2022-23) technically sponsored by Avenue Enterprise, Pune
- Study on influence of Polyethylene Terephthalate (PET) bottles in concrete section (AY 2016-17) Sponsored by RDC (India) Pvt. Ltd., Hadapsar, Pune.

#### **UG Projects:**

- Noise pollution control by using Agro waste materials (AY 2022-23) A sustainable development project
- Analysis of Mechanical Performance of Self-Healing Concrete (AY 2021-22 UG) Sponsored by Wheelocity RMC and extended help from NCL laboratories, Pune.
- Remedial measures for reduction of losses in existing canal system (AY 2019-20) Technically sponsored by Water Resource Department, Malad Irrigation section, Baramati.

### **SUBJECTS TAUGHT:**

- Engineering Mechanics
- Basic Civil and Environmental Engineering
- Mechanics of Structure/ Strength of Material
- Concrete Technology
- Design of Reinforced Concrete Structures
- Statistical Analysis and Computational Methods in Civil Engineering
- Biomechanics and Biomaterials
- Structural Design of Concrete Bridges
- Design of Composite Construction

### **FDP/STTP/SDP/WORKSHOPS ORGANIZED AS A COORDINATOR:**

- Co-ordinator for One day workshop on Mechanics of Structure Lab organized at Civil Engineering Department, SCOE on August 11th 2022

### **CONFERENCES ATTENDED:**

- “PANCHTATVA in Civil Engineering – Integrating Five Elements of Nature for Sustainable Development” a two Days National Conference, organized by SCOE and sponsored by Savitribai Phule Pune University, Pune held on February 27th – 28th, 2019.
- “Smarter Cities-India 2015: Smarter Solutions for a Better Tomorrow” (SCI-2015) a two day national conference organized by SCOE on June 8th – 9th 2015

### **FDP/STTP/SDP ATTENDED:**

- Two week AICTE and ISTE Sponsored STTP on Practical based designing and System modelling with MATLAB and SIMULINK at SKNCOE from 2-12-2019 to 13-12- 2019
- One week AICTE Sponsored STTP on Computational Intelligence in Earthquake Resistant Design at Prof Ram Meghe College of Engineering & Management, Badnera – Amravati, Maharashtra from 30-11-2020 to 5-12- 2020

- One week ISTE Sponsored STTP on Effective thesis writing and Research methodology for Research/ PhD aspirants at S. B. Patil College of Engineering, Indapur from 31-10- 2017- to 4- 11-2017
- One week AICTE Sponsored FDP on Advances in Building Designs: Pre Engineered Design Methodology and Limit State Design Applications at Velagapudi Ramakrishna Siddhartha Engineering College from 17-06-2020 to 21-06- 2020
- One week TEQIP Sponsored FDP on MATLAB applications in Engineering and Science at GCOE, Karad and Rajkiya Engineering College, Azamgarh from 27-04-2020 to 1-05- 2020
- One week TEQIP Sponsored workshop on Research and Practices in Civil Engineering (RPCE-2020) at Indira Gandhi Institute of Technology Sarang Dhenkanal, Odisha from 3-08-2020 to 07-08- 2020

### **RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:**

#### **Institute Level**

- A Member of admission committee
- Worked as a STTP member for SCOE students of SE and TE

#### **Department Level (Civil Engineering)**

- Lab In-charge for Engineering Mechanics Lab, Departmental Library, Teacher Guardian, Class Teacher
- Coordinator for SE PBL, TE Seminar and BE Project Activities
- Worked as FE Coordinator for Basic Civil and Environmental Engineering, Engineering Mechanics subjects
- Worked as subject Coordinator for Mechanics of Structures subject.
- Worked as Website Coordinator for Civil Engineering department.
- Worked as Member of Admission committee for First year admission at college level.
- Worked as a BEACON departmental magazine Coordinator
- Coordinated in preparing the manuals for the subject Engineering Mechanics
- Departmental Techtonic Event Coordinator (Model Making competition)
- NBA file incharge for Criteria 5, NAAC file incharge
- Project Guide for BE & ME students

### **DECLARATION:**

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: / / 2024

Signature