



CURRICULUM VITAE

Of

Dr Shweta Anupam Patil

Personal Information

Address: 7, Damdodar Smruti, Daftary road, Malad(E) , Mumbai.
Email: sapatil60@rediffmail.com
Telephone: 9004088361
Date of Birth: August 15th 1984.
Status: Married, Female.
Languages Known: English, Hindi & Marathi.

Profile

Highly motivated and dedicated Assistant Professor with a proven track record of delivering exceptional teaching, mentoring, and research in Civil Engineering. Committed to fostering a positive learning environment, promoting critical thinking, and inspiring students to achieve Academic and personal success. Seeking a challenging role to contribute my expertise and make a significant impact in the field of education.

Work Experience

1. Assistant Professor

Sardar Patel College of engineering

01 / 2021 – present Mumbai, India

Responsibilities

- Working as M.Tech (Construction Management) Course coordinator at institute level.
- Conducted extensive research in the field of Civil Engineering resulting in the publication of four peer-reviewed articles in prestigious journals.
- Developed and implemented innovative teaching strategies that resulted in a 100% increase in student engagement and overall performance.

- Mentored and supervised graduate students, providing guidance and support for their research projects, resulting in successful Mini Projects.
- Developed and taught post-graduate courses, employing innovative teaching methods and receiving consistently positive feedback from students, resulting in high course evaluations and improved student performance.
- Actively participated in national board accreditation (NBA) process for Construction Management post graduate programme and UG programme of BTech(Civil Engineering).
- Supervised and mentored a diverse group of post-graduate students, providing guidance and support throughout their research projects, resulting in numerous conference presentations.
- Actively participated in departmental committees and contributed to the development and implementation of new curriculum initiatives, ensuring compliance with accreditation standards and fostering a collaborative and inclusive academic environment.

2. Research Scholar

- Worked as Research scholar at Sardar Patel College of Engineering, Mumbai from August 2017 to July 2020.

3. Assistant Professor

Genba Sopanrao Moze College of Engineering

07 / 2010 – 07 / 2017 Pune, India

Responsibilities

- Worked as UGC faculty.
- Taught various engineering subjects to civil students, including Surveying, Building Materials and Construction, Project Management and Economics, System Approaches in Civil Engineering.
- Infrastructure Engineering, and Engineering Mechanics. Developed a laboratory for the Surveying subjects.
- Set examination papers for the above subjects.
- Graded examination papers for the Engineering students.
- Managed the administration of 2nd, 3rd, and 4th Year Students in the Civil Engineering program.
- Organized student events such as Project Exhibition and Paper Presentations.
- Served as the Head of the organizing committee during the 7th International Conference on Recent Trends in Engineering, Science, and Management.

3. Lecturer

Y. B. Patil Polytechnic

07/2009 – 06/2010 Pune, India

Responsibilities

- Taught various engineering subjects to Civil students, like Surveying, Project Management etc:
- Guided diploma students for their final year projects.
- Coordinated for various site visits and field investigations under curriculum.

4. Junior Engineer

Pawar Patkar constructions Pvt. Ltd.

08/2006 – 09/2008 Dhule, India

Responsibilities

- Planned and coordinated all stages of construction, including allocation of workers, equipment, and materials, as well as verification of Tenders.
 - Established effective communication with buyers, planners, surveyors, supervisors/managers, subcontractors, and the client.
 - Proficient in interpreting building drawings for seamless workflow.
 - Developed work schedules, closely monitored progress, and provided supervision throughout construction process. Generated daily/weekly progress reports.
 - Executed all construction activities, including finishing items, estimating costs, taking measurements, certifying contractor's bills, and demonstrating proficiency in external/internal plumbing, sanitary systems, water supply, sewage treatment, and electrical systems.
 - Oversaw and coordinated collaboration with other professional consultants such as architects, interior designers, electrical engineers, and structural engineers.
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Educational Background

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|---|-----------|
| • PhD (Science and Technology) | 2019-2025 |
| Sardar Patel college of Engineering, Mumbai | |
| University Of Mumbai. | |
| • Mater Of Engineering (M.E.) (Construction Management) | 2009-2011 |
| D. Y. Patil College of Engineering | |
| University of Pune | |
| • Bachelor of Engineering (B.E.) (Civil Engineering) | 2002-2006 |
| K .K. Wagh college of Engineering | |
| University of Pune | |
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Skills

- Good at AutoCAD, HEC-RAS, Arc-GIS
- Could operate effectively with Microsoft office tools namely [word](#), excel, power point, access.
- Have worked with various versions of Windows [Operating system](#) namely Win XP and Win 98
- Efficient management and organizational abilities

- Excellent written and communication skills in English
- Have good problem solving skills with analytical thinking
- Open minded to work in complex environment and projects

Strengths

- Knowledgeable
 - Experienced
 - Skilled
 - Research-oriented
 - Effective communicator
 - Organized
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Hobbies

- Dance
- Good at Badminton

Research Publications

Journals-

- A. R. Kambekar and Shweta A. Patil (2021): “Hydrodynamic flow modelling and effect of roughness on river stage forecasting” in *Journal Meteorology Hydrology and Water Management. Research and Operational Applications ,Poland* .DOI: 10.26491/mhwm/140234
- Patil MS, Kambekar AR. (2022) Floodplain Mapping Using Hydraulic Simulation and Geographic Information System. *Indian Journal of Science and Technology*. 15(39): 2027-2036. <https://doi.org/10.17485/IJST/v15i39.1056>
- Shweta Patil, Ajaykumar Kambekar (2024) ,” Dam failure analysis using hydraulics simulation model-a case study of Chaskaman dam”, AIP Conf. Proc. 2985, 030002 (2024), <https://doi.org/10.1063/5.0204484>
- Shweta Patil, Ajaykumar Kambekar (2024), “Estimation of Design Flood for Steady Flow using Hydro-Meteorological Parameters”, **Book Chapter in Springer** (Lecture Notes in Civil Engineering). Book Name: Flood Forecasting and Hydraulic Structures.(In process).
- Shweta Patil., Parija Patil(2025), “Experimental Analysis of Strength for Self-Healing Concrete”, (Chapter 27), **SpringerNature**, Lecture Notes in Civil Engineering, Vol. 631, - Sustainable Materials and Technologies under Climate Change Scenario(in process).

Conferences-

- Shweta A. Patil and A. R. Kambekar (2019): “Extraction of hydrologic information and watershed delineation using Geographic Information System” National conference on

“Environment Pollution Control and Management (EPCM-2019)” College of Engineering, Pune on 1st and 2nd March, 2019.

- Shweta A. Patil, and A. R. Kambekar (2020): “Homogeneity and Trend analysis for metrological stations in Bhima river basin in Maharashtra” 3rd International Conference on Innovative Technologies for Clean and Sustainable Development, (ITCSD2020) at *NITTTR Chandigarh*, India, 19-21- February 2020.
- Shweta A. Patil and A. R. Kambekar (2021): “Calibration of surface Roughness for Upper Bhima River Using HEC-RAS Model” in Online *International Conference on “Sustainable Water Resources Development and Management”, SWARDAM-2021, 8-9 March, 2021 GCOE Aurangabad.*
- Shweta A. Patil and A. R. Kambekar (2022): “Dam failure analysis using hydraulics simulation model- A case study of Chaskaman dam” in International conference on “Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative” at SPCE, Mumbai 22nd - 23rd December 2022
- A. R. Kambekar and Shweta A. Patil (2023) “Estimation of design flood for steady flow using Hydrometrological Parameters”-Paper accepted HYDRO 2023 INTERNATIONAL, 28th International Conference on Hydraulics, Water Resources and River Engineering from December 20 to 22, 2023 at Warangal, India.
- Parija Patil and Shweta Patil (2024), “Experimental Analysis of Strength for Self-Healing Concrete”, International Conference on Sustainable Materials, Environment and Technologies Under Climate Change Scenario (SMET-2024) during 25th - 27th July, 2024 at National Institute of Technology Kurukshetra, India
- Shweta Patil and Aniket Warghade, “Implementation of 5-D BIM for automated quantity Take-Off and cost management”, 16th International Conference on Recent Engineering and Technology ICRET 2025 during 16th and 17th May, 2025 at East West college of engineering, Bangalore, India.
- Shweta Patil and Mayekar Shubham, “Real Time Performance Monitoring for Construction Project”, 16th International Conference on Recent Engineering and Technology ICRET 2025 during 16th and 17th May, 2025 at East West college of engineering, Bangalore, India.
- Shweta Patil and Vinaykumar A. Rawat, “Cost and Time optimization of construction project using Primavera P6- A case study on delay recovery”, 16th International Conference on Recent Engineering and Technology ICRET 2025 during 16th and 17th May, 2025 at East West college of engineering, Bangalore, India.

Short Term Training Programmes (STTP)-

- Attended STTP(2020) on “Advances of Flood Modelling” at Civil Department, SVNIT Surat, under ATAL

- Attended two weeks FDP (2020) on, “Application of GPS and Remote Sensing in Civil Engineering” at Sardar Patel College of Engineering, Mumbai.
- Attended STTP (2022) on “Spatial data science for disaster management” at Department of Civil Engineering, Indian Institute of Technology, and Guwahati, Assam-781039 under GIAN.
- Attended One week FDP (2024) on -Urban Infrastructure, Sustainability and Climate Change from 08th -13th January 2024 at Sardar Patel College of Engineering, Mumbai.
- GROW-IoE event on "Emerging Technologies for Sustainable Water Resources Management" 3–5, January 2025, IIT Bombay Mumbai.

References

	Referee 1	Referee 2	Referee 3
Name	Dr M.M. Murudi	Dr. Ajaykumar R. Kambekar	Dr. P.G. Gaikwad
Designation	Professor	Associate Professor	Associate Professor
Department	Civil Engineering	Civil Engineering	Civil Engineering
Organization	Sardar Patel College of engineering	Sardar Patel College of engineering	Sardar Patel College of engineering
Mobile no	9969259751	9224306150	9527310772
Email Id	m_murudi@spce.ac.in	a_kambekar@spce.ac.in	p_gaikwad@spce.ac.in