

Tejashri Harshal Gawad



Palghar, MH, 401102

9834923353 / 7249399158



tejashrigawad15@gmail.com

Professional Summary

Civil Engineer with an M.Tech. in Environmental Engineering and over 6 years of teaching experience in Diploma and Degree Engineering programs. Experienced in teaching core Civil Engineering subjects including Surveying, Hydraulics, Construction Management, Solid Waste Management, Transportation Engineering, and Water Resources Engineering. Skilled in BIM and Revit-based modeling, academic administration, curriculum delivery, student mentoring, and outcome-based education practices. Passionate about integrating modern digital technologies and practical applications into engineering education and research.

Work History

Assistant Professor in Civil Engineering - Degree

St. John College of Engineering and Management, Palghar

Assistant Professor in Civil Engineering – Degree

Theem College of Engineering, Boisar

Lecturer in Civil Engineering-Diploma

St. John College of Engineering & Management, Palghar, Maharashtra.

(Maternity leave from June 2022 - June 2023)

Lecturer in Civil Engineering-Diploma

St. John College of Engineering & Management, Palghar, Maharashtra.

Key Responsibilities Handled

- **Maharashtra State Board of Technical Education (MSBTE)**
Various Roles in Semester Examination Process
- **Supervisor & Vigilance Squad Member**
Ensured fair conduct of MSBTE semester exams by supervising exam halls and preventing malpractice through vigilance duties.
- **Exam Paper Assessor**
Evaluated answer sheets with accuracy and fairness, maintaining consistency with MSBTE marking schemes.
- **Moderator – Answer Script Evaluation**
- Reviewed assessed papers for quality assurance, ensured adherence to moderation guidelines, and resolved discrepancies in evaluation.
- Worked in Admission Cell Department.
- Coordinated cultural activities.
- Preparing and delivering lectures, tutorials, workshops, and seminars.
- Strong ability to deliver course material through a variety of teaching methods
- Wrote a research paper and made it for publication
- Providing a guidance to the students for developing their career as well as making them familiar with different career opportunities.

July 2026 - Present

July 2025 – June 2026

July 2023 – May 2024

Dec 2017 - June 2022

May 2023 – June 2025

June 2013 – May 2017

June 2012 – May 2013

June 2011 – April 2012

Education

MTech (Environmental Engineering) (1st Class)

Chhatrapati Shivaji Maharaj University, Panvel

Bachelor of Engineering: Civil Engineering (1st Class)

St. John College Of Engineering And Management – Palghar

HSC: Science (1st Class)

Abhyankar Kulkarni Junior College – Ratnagiri

SSC (Distinction)

Pujya Acharya Bhise Vidyalay - Kasa, Dahanu

Technical Skills

- Revit Architecture & Structure – modeling of walls, floors, columns, beams, and slabs
- Creation of levels, grids, views, sections, and sheets
- Quantity take-offs and schedules (BOQs)
- Understanding of BIM workflow, LOD concepts, and model coordination
- Interpretation of architectural and structural drawings for BIM modeling
- Clash detection, issue resolution, and 4D simulation
- Cloud-based BIM collaboration using Autodesk Construction Cloud (ACC/BIM 360)
- Model sharing, coordination, and document management using Autodesk Construction Cloud

Software Proficiency

- Project coordination and model review using Trimble Connect Software Proficiency
- Autodesk Revit (BIM – Architecture & Structure)
- AutoCAD (2D-3D drafting and detailing)
- Autodesk Construction Cloud (ACC/BIM 360)
- Trimble Connect
- DiRoots for Revit
- Microsoft Excel, Word, and PowerPoint (documentation and reports)
- AI-assisted research and technical drafting (ChatGPT, Perplexity, NotebookLm, etc)
- Canva (presentations and visual communication)

Other Skills

- • Strong written and verbal communication skills with effective presentation abilities.
- • Leadership, team management, and motivational skills.
- • Excellent planning, organizational, and time-management abilities.
- • Quick learner with adaptability to new technologies and academic environments.
- • Strong interpersonal, problem-solving, and decision-making skills.
- • Team-oriented, self-motivated, and committed to delivering quality work.
- • Confident, punctual, and dedicated professional with a positive attitude.

Academic Project

- **MTech. PROJECT: Industrial Wastewater Treatment by Phytoremediation**
PROJECT DESCRIPTION :

My M.Tech project focused on the treatment of industrial wastewater through phytoremediation, a sustainable and eco-friendly approach that uses specific plants to remove contaminants. I conducted detailed analysis of water samples to evaluate treatment effectiveness and environmental impact. This research enhanced my skills in environmental engineering, data analysis, and scientific reporting, and demonstrated practical solutions for reducing industrial pollution.

- **B.E. PROJECT: Design And Study The Physical Properties of Green Concrete By Using Demolish Aggregate.**

PROJECT DESCRIPTION :

To avoid the pollution and reuse the material natural coarse aggregate is replaced by demolished aggregate. In this research covers the how to choose a material for recycled aggregate. In this study the natural aggregate replaced by demolished aggregate in different percentages (0%,50%,80%). The percentage of demolished aggregate mixed in the definite proportion it improves the property of fresh and hardened concrete like slump test, compressive strength test up to optimum percentage.

Certification:

- **Autodesk Certified Course Completion – Revit 2024**
Autodesk Authorized Training Center (NOVATR)
BIM & Revit Professional Course for Civil Engineers , June 2026
- **Autodesk Certified Course Completion – Navisworks Manage 2024**
Autodesk Authorized Training Center (NOVATR) , June 2026
- **NSDC Certified – BIM Professional Course for Civil Engineers**
NSDC | Skill India | ONEISTOX India Pvt. Ltd.
Grade: A+ July 2026
- Foreign Talk-Reputable Scopus & WoS Journals: Effective Strategy
- Certification of Inspired Internship Camp (In GJCR)
- Maharashtra Talent Search Examination
- Maharashtra State Certificate in Information Technology (MSCIT)
- Online course Living with Climate change and Water Management By MSBTE.
- Online course Youth leadership for Climate Action By MSBTE.

Journal Publications:

- **Tejashri Harshal Gawad**, “To Design and Study the Physical Properties of Green Concrete by using Demolished Concrete”, Vol. 5 No. 1 (2022),January 1, 2020 in International Journal of Research in Engineering, Science and Management.
- **Tejashri Harshal Gawad**, “The Comparative Study Of Traditional And Modern Construction Materials & Techniques”, Vol. 7 No. 1 (2022),January 1, 2020 in International Journal Innovative Science and Research Technology.

Conferences Attended

INC-IAH & CSMU International Conference

“Addressing Challenges of Groundwater and Environmental Hazard Management Through Socio-Scientific and Technological Approaches”
Chhatrapati Shivaji Maharaj University, Panvel, Navi Mumbai, India,
January 20–21, 2024

Seminars/FDPs/Trainings Attended

- **AIWC Water Talks Webinar Series** – Australia India Water Centre (Western Sydney University), July 2026 on topics “**Water Resources Management, Legal Framework, Intelligent Water Ecosystems**”.
- **Participated in a 2-Day Offline Collaborative Faculty Development Program on "Interdisciplinary Research & Innovation: AI, Data Science and Smart Healthcare Systems"**, jointly organized by St. Francis Institute of Technology (SFIT) and St. John Technical & Educational Campus, Mumbai, 29–30 June 2026.
- **One week Faculty Development Program on “Advanced Machine Learning using Python with Green Technology”** under Skills4Future Program at Theem College of Engineering, Boisar, Palghar, Maharashtra from 27th January 2026 to 31st January 2026.
- **Five Days online faculty development program on “Green Construction: An Approach Towards Renewable Energy and Resource Optimization”** organized by the Department of Civil Engineering, Rizvi College of Engineering, Mumbai, conducted from 13th January to 17th January, 2026
- **One week ISTE approved Short Term Training Program (STTP) on “Recent Advances and Future Trends in Civil Engineering”** organized by the Department of Civil Engineering, Shivajirao S. Jondhle College of Engineering and Technology, Asangaon, conducted from 28th July to 02nd August 2025.
- **One-week online faculty development program on “Recent Advances in Sustainable Materials For Engineering Applications”** organized by Department of Civil Engineering, BMSCE, in association with F.E.T. M.J.P. Rohilkhand, in February 2024.
- **Five days FDP on “Geoinformation and Web Technologies”** organized by School of Earth Sciences, Banasthali Vidyapith, Nashik in May, 2021.
- **One week online FDP on “Recent Advances in Civil Engineering”** organized by VJIT, Mumbai in June, 2020.
- **A one day FDP on “Outcome Based Education and NBA Accreditation”** organized by Sinhgad Institute of Technology and Science, Pune in May 2020.
- **One week online FDP on “NBA Norms and Preparation of SAR-Criteria 1-9”** organized by Rajarambapu Institute of Technology, Rajaramnagar and sponsored by MSBTE in May 2020.
- **Five days MSBTE sponsored FDP on “Advanced Construction Techniques”** at Trinity Polytechnique, Pune in January, 2020
- **A one day National seminar on “Structural Audit and Repairs to Concrete Structures”** organized by Department of civil engineering at St. John College of Engineering and Management in association with Palghar District Architects and Engineers in March, 2017

Achievements

- Successfully completed the NSDC Certified BIM Professional Course for Civil Engineers with Grade A+.
- Completed Autodesk Authorized Training in Revit 2024 and Navisworks Manage 2024.
- Organized and coordinated industrial visits for over 200 Civil Engineering students.
- Contributed to the preparation of academic resources, including question banks, course materials, and Outcome-Based Education (OBE) documentation.
- Consistently secured top ranks during academic studies.