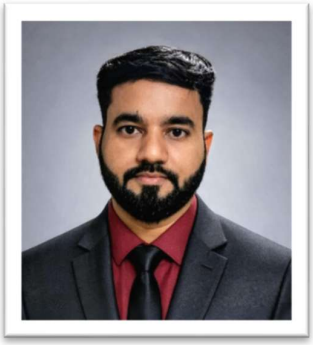
Name of Teaching Staff Designation Department Date of Joining the Institution Email ID Office Contact	: : : : : :	**Mr. Swapnil Malipatil** Assistant Professor / Quality Manager at POPL Civil Engineering 15/06/2016 swapnilm@sjcem.edu.in +91 8147334657 / +91 7892112964	
Qualifications With Class/Grade	:	BE (CIVIL) & M. Tech (Structural Engineering) with Distinction PG Certificate in Artificial Intelligence by IIIT Vadodara, Sponsored by AICTE	
Total Experience in years	:	10 Years	
Area of Specialization	:	Structural Engineering and Artificial Intelligence	
Google Scholar Link	:	https://scholar.google.com/citations?user=PZB3jJ8AAAAJ&hl=en	
Vidhwaan Portal ID		https://vidwan.inflibnet.ac.in/profile/396126/Mzk2MTI2	
ORCID		https://orcid.org/0009-0006-2298-644X	
Papers Published in Journal:	:	• Sustainable Geopolymer Concrete Sleepers Using Fly Ash and Ground Granulated Blast Furnace Slag (Q1 SCI journal) • Effect of Waste Tyre Rubber on Mechanical Properties of Concrete • Geopolymer Concrete for Railway Sleepers • Development of Spreadsheets for Small and Medium Enterprises in Managing Construction Projects • Design of Green Township for Sustainable Development and Energy • TO FIND A SUITABLE LATERAL RESISTING SYSTEM FOR A STEEL STRUCTURE USING ETABS SOFTWARE • Study of Properties of Concrete containing Copper Slag as Fine Aggregate • Artificial Intelligence for Road Safety Analytics: Crash Risk, Near-Miss Detection, and Proactive Interventions • Post-Quantum Secure Computation for Credit Scoring Systems • Artificial intelligence-driven cybersecurity for resilient and sustainable business in Industry 5.0 • Why teachers do or don't rely on artificial intelligence in education: Impact, trust, and adoption factors	
Papers Presented in Conferences		• Seismic Performance of Beam-Column joint reinforced with carbon fiber reinforced polymer (CFRP) bars • A smart waste management framework for semiurban India using IOT and AI: A case study in Palghar • Pothole detection and rule-based maintenance prioritization using YOLOv8 • To Find a Suitable Lateral Resisting System for a Steel Structure Using ETABS Software	

Books Published/IPR/Patents		• Enhancing Seismic Resilience of Telecommunication Towers: Impact of Viscous Damper • Seismic resilience enhancement of telecommunication tower: A linear static analysis with viscous damper • Evaluating the impact of seismic resilience of telecommunication tower by using time history analysis for with and without viscous damper • Seismic performance enhancement of telecommunication towers without viscous damper • Seismic performance enhancement of telecommunication towers using viscous damper • Patent: Hydraulic Robot for Civil Construction
Professional Memberships with ID		• IA ENG International Association of Engineers IA ENG Membership Number: 277698
Grants Fetched		**1) Minor research Grant Project (2018-2019) University of Mumbai** • Amount: Rs.40000/- • **Title**: Study on properties (Fresh State and Hardened State) of Concrete Using waste sand from foundry **2) Seed Money for Research Scheme proposal project (2025-2026) SJCEM, Palghar** • Amount: Rs.20000/- • **Title:** Application of Augmented reality for real time construction site monitoring and progress visualization using UAV and BIM Integration
Technical/NPTEL certifications		• **Laboratory Quality Management System & Internal Audit as per IS/ISO 17025:2017**, by NITS, Noida. • One-Week QIP short term Course on **"Fundamentals of construction Materials, Technology and Management"** at IIT Bombay.
Institute/Department Responsibility handled:		• Technical Coordinator / Megaleio Technical Fest 2023, 2024,2025 and 2026. • Competitive exam committee member • Placement Coordinator • Project Coordinator • TE Class Advisor • Research and Development Coordinator • NSS/ISR Coordinator • Website Management Coordinator • NAAC Criteria 03,06 Coordinator • NBA Criteria 05 Coordinator • Industrial visit Coordinator • Carrier counseling Coordinator

Interaction with Professional Institutions	:	**Achievements and Responsibilities:** • **Guide & Mentor for Skill India Hackathon 2022** • Successfully mentored a finalist team in the **Hardware section** of the **Skill India Hackathon 2022**.
Subjects Taught		• **Construction Materials & Technology** • **Concrete Technology** • **Design of Reinforced Cement Concrete** • **Design & Drawing of Steel Structures** • **Construction Safety** • **Fluid Mechanics** • **Transportation Engineering** • **Disaster Management and Mitigation Measures** • **Environmental Engineering** • **Universal Human Values** • **Introduction to Sustainable Engineering** • **Sustainable Engineering Systems and Technologies** • **Agile Project Management**