


Name of Teaching Staff	:	Mr. Swapnil Malipatil	
Designation	:	Assistant Professor	
Department	:	Civil Engineering	
Date of Joining the Institution	:	15/06/2016	
Email ID	:	swapnilm@sjcem.edu.in	
Office Contact	:	+91 8147334657	
Qualifications With Class/Grade	:	BE (CIVIL) & M. Tech with Distinction	
Additional Qualification	:	PG Certificate in Artificial Intelligence by IIIT Vadodara, Sponsored by AICTE	
Total Experience in years	:	10 Years	
Area of Specialization	:	Structural Engineering	
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:	:	<ul style="list-style-type: none"> • 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 	
Papers Presented in Conferences	:	<ul style="list-style-type: none"> • 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 	
Books Published/IPR/Patents	:	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> IA ENG International Association of Engineers IAENG Membership Number: 277698 		
Grants Fetched	<p>1) Minor research Grant Project (2018-2019) University of Mumbai</p> <ul style="list-style-type: none"> Amount: Rs.40000/- Title: Study on properties (Fresh State and Hardened State) of Concrete Using waste sand from foundry <p>2) Seed Money for Research Scheme proposal project (2025-2026) SJCEM, Palghar</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> One Week QIP short term Course on “Fundamentals of construction Materials, Technology and Management” at IIT Bombay. 		
Institute/Department Responsibility handled:	<ul style="list-style-type: none"> Technical Coordinator / Megaleio Technical Fest 2023, 2024,2025 and 2026. Competitive exam committee member TE Class Advisor Research and Development NSS/ISR Coordinator Website Management NAAC Criteria 03 Coordinator NBA Criteria 05 Coordinator Industrial visit Coordinator Placement Coordinator 		
Interaction with Professional Institutions	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">: <u>Achievements and Responsibilities:</u></td> <td style="padding: 5px;"> <p style="text-align: center;">Guide & Mentor for Skill India Hackathon 2022</p> <ul style="list-style-type: none"> Successfully mentored a finalist team in the hardware section of the Skill India Hackathon 2022. </td> </tr> </table>	: <u>Achievements and Responsibilities:</u>	<p style="text-align: center;">Guide & Mentor for Skill India Hackathon 2022</p> <ul style="list-style-type: none"> Successfully mentored a finalist team in the hardware section of the Skill India Hackathon 2022.
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Subjects Taught	<ul style="list-style-type: none"> Construction Materials & Technology Concrete Technology Design & Drawing of Steel Structures Construction Safety Fluid Mechanics Transportation Engineering Disaster Management and Mitigation Measures Environmental Engineering Universal Human Values 		