



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research
Ravet, Pune**



Academic Year: 2025-26

Faculty Profile



Name of Faculty:	Mr. Akshay Bharat Rahane		
Qualification :	PhD Persuing, M. E. Structures, B.E. Civil		
Designation :	Assistant Professor		
Department :	Civil Engineering		
Date of Joining :	11/11/2019		
Experience :	Teaching :9.5 Years Industry:09 Months		
Research Areas / Area of Specialization	Steel Structures Reinforced Concrete Structures, Geotechnical Engineering, Concrete Technology		
Courses / Subjects Taken:	Mechanics of structures, Geotechnical Engineering, Design of Steel Structures, Design of Reinforced Concrete Structures, Engineering Geology, Advanced Surveying, Engineering Mechanics, Advanced Concrete Technology		
IPR :	Title	Docker No./ Diary No.	Registered /Filed
	Life Cycle Assessment of an Existing RC Building	14075/2024-CO/L	Filed
	Ferrocete roof slab system	11162/2021-CO/L	Filed
	Strength assessment of concrete structures Due to various chemical attacks	11513-2021-CO-L	Filed
	To enhance the strength of concrete by partial Replacement of coarse aggregate with tile Waste	11510-2021-CO-L	Filed
Research Publications :			
Journal Publications:	Year	Title of Paper	Published in
	2024	Reinforcing resilience: enhancing flexural and compressive Strength using Sfrc	IRJMETS
	2022-23	A Comparative Study of Cement-Treated Sub-Base and Granular Sub-Base	IJRASET
	2022-23	Experimental Investigation for serviceability of ferrocete slab	GIS SCIENCE JOURNAL
	2021-22	"CTSB technology verses GSB technology"	IJRASET

	2020-21	Ferrocement roof slab system	IJSREM
	2020-21	Time Optimization in Reconnaissance Surveying	IJSREM
	2020-21	Partial replacement of Coarse Aggregate with Coconut Shell in Concrete	JICR
	2020-21	To enhance the strength of concrete by partial replacement Of coarse aggregate with tile waste	IJCRT
	2020-21	Strength Assessment of Concrete Structures Due to Various Chemical Attacks	IJCRT
	2016-17	A Review Paper On Ferrocement Roofing System	IJESM
	2016-17	A Review Paper On Ferrocement Roof Technology	IJESRT
	2016-17	Use of Alccofine In Sfrc And Study Its Torsional Behavior	IJESM
	2016-17	Corrosion Of Reinforcement In Hvfa Concrete	IJESM
	2016-17	Alccofine Steel Fiber Self-Compacted Concrete	IJESM
	2016-17	Design Of Rapid Sand Filter	IJESM
Profile Link :	Google Scholar Profile: https://scholar.google.com/citations?user=FbIsL88AAAAJ&hl=en		
H -Index:	Citations = 19 , h-index = 2, i-10 index=1		
Certifications :	30 +		
Membership:	Associate Member of IEI(The Institutions of Engineers, India)		
Industrial Training :	Completed one week training at Shubham Decorators for Wall painting work.		
Resource Person /Expert Session/Jury Invited:	<p>1.Delivered expert session on “Fluid Mechanics” at Samarth College of Engineering and Management, Belhe, Pune.</p> <p>2. Acted as E-content reviewer for Structural Analysis for ARMIET, Thane.</p> <p>3. Delivered expert session on “Hydrology and water resource engineering” at JCOE, Kuran.</p> <p>4. Invited as an Expert for online expert lecture series at Samarth Group of Institutions on topic “Mechanics of Structure- Theory of columns” held on 12/02/2021.</p> <p>5.Appointed as a paper setter at SITCOE, Yadrav (Ichalkaranji), Symbiosis Skill University, Kiwale, Pune. And G H RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI PUNE</p>		
Workshop/FDP/STTP attended(more than a Week):	25 +		
Event Organized in Department:	<u>CESA Activities- Gurupournima,</u> <u>Teachers Day,</u> <u>Second Year Induction,</u> <u>Freshers Party,</u> <u>Podcast-1 and</u> <u>Podcast-2,</u>		

	<p style="text-align: center;"><u>The Civil Spectrum-Podcast-3.</u></p> <ul style="list-style-type: none"> • Conducted one Expert lecture from senior academician for DRCS subject and completed certified training to TE Civil Students for Design of RCC using Stadd Pro software. • Coordinated Ferrocement workshop and coordinated activity of PBL and Suryanamaskar Sculptures. • Organized two hours expert session on Wind speed calculations as per New IS codal provision of 875- part-III-2015 for Design of steel structures. • Coordinated Two Days Workshop of RSGIS with ISRO for TE students. • Organized Expert session for Advanced Surveying Subject on “remote sensing” for TE Civil Students • Organized Lecture series for Advanced Surveying Subject on “Exploring new dimensions in Civil Engineering “for TE Civil Student with Rbased services pvt. Ltd.
University level appointments:	<ul style="list-style-type: none"> • Acted as a Senior supervisor for SPPU Examination for A.Y.2022-23. • Appointed as an examiner for paper checking in year 2018-19,2019-20,2023-24,2024-25 for SPPU examinations.
Administrative Duties: (Academic Year 2025-26)	Class Teacher- S.E. Civil Mentor- T-2 Batch
Academics Duties: (For Academic Year 2025-26)	<ul style="list-style-type: none"> • Subject Teacher- Design of Steel Structures • ERP Coordinator • Department Feedback Coordinator