



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes



Department of Civil Engineering

Faculty Profile



Mrs. Sonal Amit Chavan

BE (Civil Engg), ME Civil (Structural Engg), PhD (pursuing)



sachavn@aisssmscoe.com



(020) 26058587

- <https://scholar.google.com/citations?user=HERnoz0AAAAJ&hl=en>
- <https://youtube.com/user/sonalsae>
- Orcid: 0009-0007-6312-6435

Research Areas / Areas of Interest

Structural Engineering

Personal Details

Domicile: Maharashtra

Gender: Female

Blood Group: O+ve

Contact Details: Department of Civil Engineering AISSMS College of Engineering,
Kennedy Road, Pune-411 001

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph. D	Structural Engineering	SPPU university, Pune		Pursuing
2	M.E. (Stru)	Structural Engineering	SPPU university, Pune	First Class	2011
3	B.E. (Civil)	Civil Engineering	SPPU university, Pune	Distinction	2006

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	14	1
2	Industry	3	
Total		17	1

Subjects / Courses Taught

S. No.	Subject	UG/ PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Mechanics	UG	FE	07
2	Mechanics of Structure	UG	SE	05
3	Structural Analysis	UG	SE	04
4	Surveying	UG	SE	03
5	Design of Steel Structure	UG	TE	01
6	Earthquake Engineering	UG	BE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	-	-	-	04	01
Conferences	02	03	-	-	--

Publication Details (Journals) - 5

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Performance-based analysis: for vulnerability assessment of vertical irregularities in reinforced concrete structure with soil-structure	S. A. Chavan	2025	<i>Asian Journal of Civil Engineering</i>	2364-4176	<i>Springer</i>

	interaction					
2	Vulnerability assessment of vertical irregularities in medium-rise reinforced concrete structures using lead rubber bearing	S.A. Chavan	2025	<i>Innovative infrastructure solution</i>	2364-4176	<i>Springer</i>
3	Seismic Behavior of Regular and Vertically Irregular Reinforced Concrete Building by 3D and MDOF Models	S. A. Chavan, N. U. Mate & A. A. Manchalwar	2023	<i>Lecture Notes in Civil Engineering</i>	2366-2565	<i>Springer</i>
4	Seismic effect on medium rise reinforced concrete building considering vertical irregularities under the effect of soil structure interaction	S. A. Chavan, N. U. Mate & A. A. Manchalwar	2025	<i>Lecture Notes in Civil Engineering</i>	2366-2557	<i>Springer</i>
5	Effects of variations in the design parameters of cantilever retaining wall	S. A. Chavan	2024	<i>Industrial Engineering Journal</i>	0970-2555	<i>UGC care</i>

Publication Details (Conferences)- 05

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
National Conference						
1	Planning and Designing of High Rise Sustainable Building	Mihir Bhamare, Ganesh Aivale, Maheshwari Pise, Sarang Shiral and Mrs. Sonal Chavan	2022	2nd National Conference of Engineers and Technology 2022		AISSMS's COE, Pune
2	A design of Eco-friendly Bitumen by adding Plastic Waste	Mrunali Kurade, Durgesh Chaudhari, Dakshata Gaikwad and Sonal Chavan	2022	2nd National Conference of Engineers and Technology 2022		AISSMS's COE, Pune
International Conference						
3	Seismic Behavior of Regular and Vertically Irregular Reinforced Concrete Building by 3D and MDOF Models	S. A. Chavan, N. U. Mate & A. A. Manchalwar	2022	17 th symposium in Earthquake Engineering (17SEE)		IIT Roorkee
4	Seismic effect on medium rise reinforced concrete building considering vertical irregularities under the effect of soil structure interaction	S. A. Chavan, N. U. Mate & A. A. Manchalwar	2023	13 th Structural Engineering Convention		VNIT Nagpur
5	Performance assessment of midrise composite diagrid structure for lateral loads	Myuresh Jachak and Sonal A. chavan	2025	International Conference on Advances in Composites and materials (ACM-2025)		Gov. Polytechnic Bramhapuri

Professional Memberships

S No	Professional Body	Level (National / International)	Type (Fellow/Life/ Annual)	Membership No.
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IEI	National	Life Membership	M-159283-6	IEI
Solar Energy Society of India	National	Life Membership	LM/2517/2021	Solar Energy Society of India

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	02	32

Patents/IPR Filed/ Granted

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount

Knowledge enrichment courses

Name of Course	Title of course	Duration	Organizing authority
SWAYAM-NPTEL	Strength of Material	2018 (12 Week)	AICTE
SWAYAM-NPTEL	Soft skill Development	2020 (8 week)	AICTE

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S.N	Title	Type	Duration	Level (State/National/	Sponsoring Agency
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				International)	

S.	Place/ Organization	Topic	Level (National/Int/State/ Regional)	Date
Contribution as Resource Person				

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Faculty development program on earth and environmental responses during covid-19 of seven days conducted at the department of environmental sciences ,SPPU pune.	FDP	1 Week	National	organized by MHRD's of SPPU Pune
2	A Refresher course in teacher educators conducted at the department of education and extension, SPPU pune,	Refresher Course	1 Week	National	Organized by HRDC of SPPU Pune

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	UG Computer Lab In charge
02	Department Academic Calendar coordinator
03	

Awards Received

S. No.	Awards

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Mrs. Sonal Amit Chavan

(Name with Signature)