



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Approved by AICTE, New Delhi, Recognized by Government of Maharashtra
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU/PN/Engg./093 (1992))

Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes

Department of Civil Engineering Faculty Profile

Dr. V S Chavhan (ISH, IEL, ISTE, IWWA, SESI)

Assistant Professor

Department of Civil Engineering,

AISSMS COE Pune.

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ResearchAreas/ Areas of Interest

1. Hydraulics
2. Model study
3. CFD simulation
4. Hydrology
5. Water Resources Engineering.
6. Irrigation Engineering

Personal Details

Date of Birth: 20 / 07 / 1980

Domicile: Maharashtra

Gender: Male

Blood Group: B+ve

Address: Flat No-201, Sahil Apartment, Sukh Sagar Nagar, Pune-411048.

Academic Background

Sr. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Civil Engineering	SPPU	-	June 2022
2	MTech	Civil - Hydraulics	BVCOE	First class with Distinction	May 2015
3	B.E.	Civil Engineering	SPPU	First class	June 2004
4	DCE	Civil Engineering	MSBTE	First class	June 2001

Work Experience

Sr. No.	Type of Experience	Years	Months
1	Site Experience	1	0
1	Teaching	20	0
Total		21	0

Subjects/Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1.	Basic Civil & Environmental Engg.	UG	SE (Civil Engineering)	4
2.	Engineering Mechanics.	UG	SE (Civil Engineering)	4
3.	Fluid Mechanics-I	UG	SE (Civil Engineering)	15
4.	Fluid mechanics-II	UG	TE (Civil Engineering)	10
5.	Hydrology and water resource Engg	UG	TE (Civil Engineering)	15
6.	Dams and Hydraulics Structure.	UG	BE (Civil Engineering)	02

7.	Hydropower Engg.	UG	BE (Civil Engineering)	9
8.	Transportation Engg.	UG	BE (Civil Engineering)	1
9.	Strength of material.	UG	SE (Civil Engineering)	1
10.	Building Construction.	UG	SE (Civil Engineering)	3
11.	Building planning and Built Environment.	UG	SE (Civil Engineering)	3
12	Coastal Engg	UG	BE Civil Engineering	3

Research Publications

Title	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals				6	9
Conferences		5	---	--	--

Publication Details (Journals)

Sr. No	Title of Paper	Name of Journal and Publisher	Volume / Issue no./Page no.	Publication Month and Year /Date
1	Model study to minimize scour in tail channel of ski-jump bucket energy dissipator using deflectors	ASEAN Engineering Journal. ISSN 2586-9159 Indexing: Scopus.	Vol. 12 No. 2: PP 249-256	June 2022
2	Prediction of Compressive Strength of High Strength Concrete using Artificial Intelligence and Machine Learning Techniques	Material Science and Technology. ISSN: 1005-0299 Indexing: Scopus.	Vol.22 No.10 PP 136-147	Oct. 2023
3	Controlled Ski-jump Spillway Model Design According to IS code	International Journal of Engineering and Advanced Technology (IJEAT). Elsevier ISSN:2249- 8958 Indexing: Scopus. (At the time of publication, the journal was in SCOPUS.)	Volume - 9 Issue – 3. PP 3107-3110	February 2020
4	Trajectory Features and Energy Dissipation of Conventional and Modified (Deflector) Ski-Jump Bucket.	Materials Today: Proceeding, Science direct ISSN 2214-7853 Indexing: Web of Science SCIE	Volume 49, Part 5, Pages 1973-1979	7 January 2022.
5	Experimental study on high performance concrete using rice husk ash	Materials Today: Proceeding, Science direct ISSN 22147-853 Indexing: Web of Science SCIE	Online	11 November 2023
6	CFD in Hydraulic Modeling.	International Journal of Future Generation Communication and	Vol. 13, No. 4, (2020), pp. 623–627	September 2020

		Networking. ISSN: 2233-7857 Indexing: Web of Science, ESCI. (At the time of publication, the journal was in Web of Science, ESCI.)		
7	Micro Hydro Power Generation in India-A Review	River and Coastal Engineering Springer	Volume 117 pp 279–285	04 August 2022
8	Stabilization of black cotton soil using admixtures	International Journal of Engineering and Innovative Technology. ISSN 2277-3754 UGC Journals (Old List),	Vol. 1, Issue 5. PP 1-3	May 2012
9	Aerobic Thermophilic Composting of Municipal Solid Waste	International Journal of Engineering Science and Technology. ISSN: 0975-5462 UGC Journals (Old List),	Vol. 5 No.03 PP 716-718	March 2013
10	Estimation of correlation between string angle and velocity of flow by using balls of different material and different diameter in laboratory flume	International Journal of Advances in Engineering & Technology, ISSN: 2231- 1963 UGC Journals (Old List),	Vol. 7, Issue 6, pp. 1851-1856	Jan., 2015
11	Application of GFRP for concrete structure	Journal of Emerging Technology and Innovative research. ISSN-2349-5162 UGC Journal	Volume 10 Issue 6 Pp 1-6	June 2023
12	To study mechanical properties of concrete using silica flume and steel fibre	Alochana Journal. ISSN: 2231-6329. UGC Journals	Volume 13 Issue 5. pp 1138-1146	May 2024

13	Comparative study of the partial replacement of cement using hypo sludge and fly ash	Alochana Journal. ISSN: 2231-6329. UGC Journals	Volume 13 Issue 5. pp484-491	May 2024
14	Experimental results of ski-jump based on deflectors	Industrial Engineering Journal, ISSN: 0970-2555	Volume: 53, Issue 7, No.3,	July 2024
15	Measurement of Velocity of Flow in Open Channel by Hydrometric Pendulum	International journal of novel research and development, ISSN: 2456-4184	Volume 9, Issue 7	July 2024

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organized by
	“Hydraulic model study of ski-jump bucket energy dissipator with and without deflectors”,	V S Chavhan	2017	International Conference on recent innovations in engineering & technology		ISH
1.	ski-jump hydraulics based on deflector	V S Chavhan	2020	International Conference on recent innovations in engineering & technology		TSSMs BSCOE R Pune

PhD / ME / BE Student Guided for

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	2	104

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ISH	National	Life	LM 1321
IEI	National	Life	M-160529-6
IWWA	National	Life	
ISTW	National	Life	
SESI	National	Life	

Details of Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Concrete Technology	Technical Publications	978-9350996607

3	Building Technology and Materials	Technical Publications	978-9350991541
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Details of Workshop/STTP/FDP/Seminar / Conferences Organized

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Vision-Mission-PEO- PSO-	FDP	10-15 June	AISSMS	ISTE
2	PO-CO: Framing, Mapping, Assessment and Attainment	FDP	2019	College of Engg, Pune	

Details of Role and Responsibilities

S. No.	Role and Responsibilities
1	Department Co-Ordinator Engineering Today
2	Lab in charge Fluid Mechanics lab
3	Department Co-Ordinator Soft skill training
4	Department Co-Ordinator Placement
5	Department Co-Ordinator Safety measures
6	Department Co-Ordinator IWWA
7	Department Co-Ordinator V-Lab
8	Department Co-Ordinator Library

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

Dr. Vivek S Chavhan