





ज्ञानम् सकलजनहिताय Accredited by NAAC with "A+" Grade

Department of Civil Engineering Faculty Profile

Dr. Atulkumar A. Manchalwar

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Structural Engineering

Personal Details

Domicile: Maharashtra

Gender: Male Blood Group: B+ve

Contact Details: Department of Civil Engineering AISSMS College of Engineering,

Kennedy Road, Pune-411 001

Academic Background

S. N0.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph. D	Structural	VNIT		2019
		Engineering	Nagpur		
2	M.E. (Env)	Structural	RTM	Distinction	2012
		Engineering	Nagpur		
			University		
3	B.E. (Civil)	Civil Engineering	Sant	First	2010
			Gadgebaba		
			Amravati		
			University		



Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	4	6
Total		4	6

Subjects / Courses Taught

S.	Subject	UG/	Class	No of times Subject
No.		PG	(FE/SE/TE/BE/ME)	Taught
1	Engineering Mechanics	UG	FE	02
2	Strengths of materials	UG	SE	02
3	Finite Element Method	PG	SE	02
4	Earthquake Engineering	PG	SE	02
5	Computer Application in civil Engineering	UG	BE	01
6	Design of Pre-stressed Concrete Structures	PG	FE	02
7	Retrofitting and Strengthening of R C Structures	PG	SE	02

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	-	22	-	22	00
Conferences	03	02	-	-	

Publication Details (Journals) - 17

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Performance of RC structures equipped with steel and aluminium X-plate dampers	A. A. Manchalwar	2016	Journal of The Institution of Engineers (India): Series A	2250-2157	Springer

		TA A T		Y 1 CY711		
2		A. A. Manchalwar	2019	Journal of Vibration Engineering & Technologies	2523-3939	Springer
3	Seismic response control of building with optimal location of metallic dampers	A. A. Manchalwar	2019	Structures and Buildings	1751-7702	ICE
4	Seismic performance of structure with isolated foundation using ushape steel damper as an isolator	A. A. Manchalwar	2020	Soil mechanics and foundation Engineering	1573-9279	Springer
5	Vibration control of structure by top base isolated storey as tuned mass damper	A. A. Manchalwar	2020	International Journal of Dynamics and Control	2195-2698	Springer
6	Comparison of Seismic isolation with isolator and Soil structure Interaction U-shaped metallic isolator and Soil structure Interaction	G Jyothi Sravya, A Manchalwar	2020	E3S Web of Conferences	2267-1242	E3S
7		N O. Reddy, A. Manchalwar	2020	E3S Web of Conferences	2267-1242	E3S
8	Behaviour of the water tank staging with aluminum and steel X-plate damper	A. A. Manchalwar	2020	E3S Web of Conferences	2267-1242	E3S
9	using performance based analysis	Kurelly Spandana, A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
10	Effect of joint rigidity on structural behavior of RC buildings	Kurelly Spandana, A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
11	Blast Response of Elevated Water Tank Staging with Metallic Damper	Boda Balaraju, A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
12	Performance of elevated water tank staging with base isolation under blast loading	Boda Balaraju, A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
13		Siripuram V., A. A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
14	Isolating system using U Shaped steel damper	Siripuram V., A. A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
15	isolation method	Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
16	Nonlinear Seismic Performance of a Building Using Base Isolation Method	V. Yadav, A. Manchalwar	2021	E3S Web of Conferences	2267-1242	E3S
17	Response reduction factor based on geometric variation with	AV Sai Veda, A. Manchalwar	2021	AIP Conference Proceedings	1551-7616	American Institute of Physics
18	Incremental dynamic analysis of building with weak storey at top as TMD	P. B. Nangare	2023	Asian Journal of Civil Engineering	2522-011X	Springer
19		S. A. Chavan, N. U. Mate & A. A. Manchalwar	2023	Lecture Notes in Civil Engineering	2366-2565	Springer

20	Design of base-isolation using lead rubber bearing	D. Nishipriya, A. Manchalwar; S. Koniki	2023	AIP Conference Proceedings	1551-7616	American Institute of Physics
21	Influence of height of building on strong column-weak beam design	A Ahmed, A Manchalwar, S Koniki	2023	AIP Conference Proceedings	1551-7616	American Institute of Physics
22	Pushover analysis of retrofitted RC building	A Gugulothu, A Manchalwar, S Koniki	2023	AIP Conference Proceedings	1551-7616	American Institute of Physics
23	Seismic Analysis of Five-Storied Building Using U-Shaped Hybrid Isolator and Lead Rubber Bearing Isolator		2024	Lecture Notes in Civil Engineering	2366-2565	Springer

Publication Details (Conferences)- 05

S. N o	Document Details	Authors	Year	Conference Details	ISBN	Organised by
Inte	rnational Conference					
1	Seismic Performance of Structure Equipped with Fluid Viscous Dampers and Location Optimization	G. Gurbani, S. Bakre and A. Manchalw ar	2018	16th European Conference on Earthquake Engineering		Thessaloni ki, Greece
2	Performance of RC Structures Equipped with Steel and Aluminium X-Plate Dampers	A. Manchalw ar & S. V. Bakre	2014	Structural Engineering Convention (SEC 2014)	978-9- 38- 489872- 4	IIT Delhi
Nat	onal Conference					
1	Seismic Response of a RCC building with Lead Extrusion Dampers	S. Arora, A. Manchalw ar	2017	Indian Conference on Applied Mechanics (INCAM)		MNNIT Allahabad
2	Fluid Viscous Damper for Structural Response Control	G. Gurbani, A. Manchalwa r	2017	Indian Conference on Applied Mechanics (INCAM)		MNNIT Allahabad
3	Seismic Response control of RC water tower frame staging	A. Manchalwa r	2017	Indian Conference on Applied Mechanics (INCAM)		MNNIT Allahabad

Professional Memberships

S No	Professional Body	Level (National / International)	Type (Fellow/Life/ Annual)	Membership No.

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	08	-

Patents/IPR Filed/ Granted

1. The design granted to "Water Distribution Apparatus with inbuilt Flow Rate Control Mechanism"

Books Published

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

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount

Knowledge enrichment courses

Name of Course	Title of course	Duration	Organizing authority
NITTTR Module 1	Orientation Towards Technical Education and Curriculum Aspects	Feb – March 2020	AICTE
NITTTR Module 2	Professional Ethics & Sustainability	Sep – Oct 2021	AICTE
NITTTR Module 4	Instructional Planning and Delivery	Sep – Oct 2021	AICTE
NITTTR Module 5	Technology Enabled Learning & Life Long Self Learning	Sep – Oct 2021	AICTE
NITTTR Module 6	Student Assessment and Evaluation	Feb – March 2022	AICTE
SWAYAM-NPTEL	Digital Transformation in Teaching Learning Process	01 Jan – 30 March 2020	AICTE

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

S.N o	Title	Туре	Duration	Level (State/National / International)	Sponsoring Agency
1	National Technology Day (Theme: Rebooting the Economy through Science, Technology and Research	Cominon	1 Day	National	GRIET
	Engineers' day (Theme: Engineers for a Self-reliant India)	Cominge	1 Day	National	
1 3	United Nations International Peace Day Celebrations-2020	Workshop	1 week	National	

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date

Details of Worshop / STTP / FDP / Conferences Attended

S. N	Title	Туре	Duration	Organizer	Sponsoring Agency
1	STAAD Pro	Training	4th May to 6th June 2009	Government Polytechnic Nagpur	
2	Earthquake Resistant Design of Sensitive Structures	STTP	22-23 March 2013	VNIT Nagpur	
3	Seismic Analysis and Design of RC Buildings	STTP	5th to 9th March 2014	VNIT Nagpur	
4	Advanced Engineering Optimization Through Intelligent Techniques	STTP	24-28 March 2014	SVNIT Surat	
5	Seismic Design of Multi Storey Buildings; Is 1893 vs. Eurocode 8	STTP	7th – 9th Dec. 2014	VNIT Nagpur	
6	Nonlinear modelling and seismic response evaluation of structures	STTP	14th – 16th Dec. 2014	IIT Roorkee	
7	Understanding Earthquake behavior of Buildings	STTP	21st – 26th May 2016	VNIT Nagpur	
8	Metro Rail Technology	FDP	10 th to 14 April 2020	TGP College of Eng. & Tech., Nagpur.	
9	Computational Tools and Techniques: MATLAB, ANSYS	FDP	26 April – 01 May 2020	Government College of Engineering, Karad	
10	Progress of Concrete Science Since the Time of Duff A. Abrams	Webinar	07 May 2020	IIT Delhi	
11	Civil Engineering Opportunities & Various Industrial Development	Webinar	08 May 2020	Sri Ramdeobaba College of Engineering and Management	
12	Earthquake Engineering & Technology	Webinar	09 May 2020	Indian Society of Earthquake Technology	
13	Outcome based education & NBA Accreditation	FDP	11-17 May 2020	Chhatrapati Shivajiraje College of Engineering	
14	Trends In Civil Engineering	FDP	18-22 Jan 2021	GRIET Hyderabad	
15	Foundation Engineering Practice (Case Studies)	FDP	6 April – 28 May 2021	GRIET Hyderabad	

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Executive member of Inauguration and main program arrangement of Alumni meets Committee
02	Class Coordinator B.E. Final Year (Civil)
03	Member of Stock Verification Committee
04	Seminar Hall In charge
05	Practical Examination Coordinator
06	Paper Setter (Theory)
07	MTech Project Coordinator
08	R&D Coordinator

Awards Received

S. No.	Awards
01	Dr Jai Krishna Prize by Institution of Engineers India

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

Dr. Atulkumar Manchalwar

(Name with Signature)