



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

Prof. (Dr.) Ganesh Chandrakant Chikute

Ph.D (Civil Engineering)

Assistant Professor

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🔗 <https://scholar.google.com/citations?user=d-8zHHgAAAAJ&hl=en>



Research Areas / Areas of Interest

Concrete Structure, Retaining wall, Transportation,
Modified Gabion retaining wall, Self interlocking blocks, Recycled concrete, Use
of plastic waste aggregate

Personal Details

Date of Birth : 23/ 09 / 1980

Domicile : Maharashtra

Gender : Male

Blood Group : B+ve

Contact Details: Jagdish housing society, Plot no-20 'Gangaban' Dhankawadi,
Pune-411043

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Civil Engineering	SPPU	-	2022
2	M Tech	(Civil Engg.-	SPPU	1 st	2010

		CM)			
3	B.E.	Civil Engg.	SPPU	1 st	2004
4.	Diploma in Civil Engg	Diploma in Civil Engg	GPP	1 st	1999

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	14	--
2	Research	--	--
3	Industry	10	--
Total		24	--

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	FE	02
2	Engineering Mechanics.	UG	FE	02
3	Structural Design II	UG	TE	02
4	Structural Design III	UG	TE	02
5	Building Technology & Materials	UG	SE	02
6	Advanced Concrete Technology	UG	BE	02
7	Quantity surveying contracting & Tendering	UG	BE	08
8	Transportation Engineering	UG	BE	09

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	-	11	-	8	3
Conferences	-	14	-	04	-

Publication Details (Journals) - 11

S. No	Document Details	Authors	Year	Source Details	ISB N/ ISSN	Publisher
1	“Failures of Gabion Walls” in IJITEE (International journal of innovative technology and exploring Engineering,	Dr G C Chikute	2019	ID-J97310881019, and E-ISSN: 2278- 3075, Volume-8, Issue-11	2278 - 3075	Scopus, UGC Indexed
2	“Techno-Economical Analysis of Gabion Retaining Wall against Conventional Retaining Walls”	Dr G C Chikute	8 Aug 2019	International Research Journal of Engineering and Technology (IRJET), FTP682608, Thomson Reuter and Copernicus Indexed.Volume-6, Issue-	E-2395 0056 P-2359 0072 ,	
3	“An experimental investigation of natural aggregate replace by RCA for producing eco-friendly concrete”	Dr G C Chikute	Marc h 2020	IJRT (International Journal of Innovative Research in Technology), ID-149020, ISSN:, Vol-6	2349 - 6002	
4	“Recycled concrete Blocks- Eco friendly and cost effective solution for masonry construction”,	Dr G C Chikute	2020	Journal of Seybold Report ISSN NO: VOLUME 15 ISSUE 8 2020, 185-195,	1533 - 9211	Scopus, UGC Indexed
5	Gabion Wall: Eco-friendly and Cost-Efficient Retaining Wall. In: Lecture Notes in Civil Engineering.	Dr G C Chikute, Sonar IP	2021	Vol 124 LNCE. Springer Science and Business Media Deutschland GmbH; 2021:229-249. Doi: 10.1007/978-981-		Scopus, UGC

				33-4590-4_22,		
6	Investigation of Gabion Wall Failures and Recommendations.	Dr G C Chikute, Sonar IP		In Lecture Notes in Civil Engineering, Springer,		Scopus, UGC Indexed
7	“Failures of Gabion Walls”	Dr G C Chikute, Sonar IP	Sept 2019	International journal of innovative technology and exploring Engineering, 8 (11), 1384-1390,	2278 - 3075	Scopus, UGC Indexed
8	“Performance evaluation of Modified Gabion Retaining Wall	Dr G C Chikute	2023	Int.J. Masonry Research and Innovation,	2056 - 9459 / 2056 - 9467	Scopus and SCI Indexed.
9	Prediction of Compressive Strength of High Strength Concrete using Artificial Intelligence and Machine Learning Techniques	Dr G C Chikute	2023	Journal of material science and technology	1005 - 0299	Scopus and SCI Indexed.
10	Comparative Analysis of Gabion Retaining Wall”	Dr G C Chikute	2024	Journal Vigyan Prakash, Vol. 21 Issue-2 April-June 2023, ISSN-1549-523X,		UGC Indexed
11	Effectiveness of different Artificial Neural Network models in establishing the suitable dosages of coagulant and chlorine in water treatment works”,	Dr G C Chikute, Dr D V Wadkar	2024	Journal: Nature Environment and Pollution Technology, Dec-2024,	0972 - 6268 E-ISSN :239 5-3454	Scopus Indexed.

Publication Details (Conferences) 14

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
International Conference (14)						
1	Techno-Economical Analysis of Recycled Masonry block for eco-friendly and Economical construction	G.C.Chikute, I.P.Sonar	2017	International conference 'Urbanization challenges in Emerging Economics' organized by American Society of Civil Engineers (ASCE) in collaboration with IIT Delhi and Institution of Engineers (India) at IIT Delhi on 12-14 Dec 2017		IIT Delhi
2	Investigation of Gabion wall failures and recommendations",	G.C.Chikute, I.P.Sonar	2020	International Conference Advances in Civil Engineering (ACE 2020) organized by VNIT Nagpur on 5-7 November 2020 ISSN 2366-2557, Springer nature publication , UGC & Scopus indexed.	2366-2557	VNIT Nagpur
3	Gabion wall - ecofriendly and cost-efficient retaining wall",	G.C.Chikute, I.P.Sonar	2020	National conference on advances in sustainable construction materials (ASCM 2020) organized by National Institute of Technology Jamshedpur, under TEQIP-3 on 3-4 Aug 2020, ISSN 2366-2557, ISBN 978-981-334-590-4, Springer nature publication , UGC & Scopus indexed.	978-981-334-590-4	National Institute of Technology Jamshedpur
4	Flash Floods: Challenges and its Management, "Gabion Retaining Wall-time Efficient, Cost Efficient and Environmental Friendly Structure to Control Flood	G.C.Chikute, I.P.Sonar	2020	IEI Centenary Publication-		
5	"Modification of Gabion retaining wall"	G.C.Chikute, I.P.Sonar	2020	National conference on recent advances in structural engineering (NCRASE 2020) organized by National Institute of Technology	978-981-334-590-4	National Institute of Technology

		nar		Jamshedpur, under TEQIP-3 on 21-22 Aug 2020, ISSN 2366-2557, ISBN 978-981-334-590-4, Springer nature publication , UGC & Scopus indexed.	8 1- 3 3 4- 5 9 0- 4,	gy Jamshed pur
6	"Applications of Nano materials in construction for sustainable development"	G.C.C hikute	201 7	National conference on Nanotechnology and its application for sustainable development organized by Institution of Engineers (I) at Pune on 9th & 10th Sept 2017.		IEI
7	Detailed study on effect of changing parameters on cantilever retaining wall by using software",	G.C.C hikute, Monika Ghoda ke,	202 0	23-4 to 3-5 2020, Conference by Civil Engg. Dept. Marathwada Institute of technology Aurangabad & Indian Geotechnical society Aurangabad chapter.		
8	"Experimental investigation of natural aggregate replace by RCA for producing eco-friendly concrete",	G.C.C hikute, Aishwarya Phalke	202 0	23-4 to 3-5 2020, by Civil Engg. Dept. Marathwada Institute of technology Aurangabad & Indian Geotechnical society Aurangabad chapter.		
9	"I-sand: An Environmental Friendly Sand used in Reinforced Cement Concrete Construction",	G.C.C hikute	202 3	International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023, organized by, Centre for Research and Innovation (CRI), Department of Mechanical Engineering, Institute of Engineering & Management Kolkata, University of Engineering & Management Kolkata		
10	"Engineering a Sustainable Future: Reusing Demolished Waste Block by Block",	G.C.C hikute	202 3	International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023, organized by, Centre for Research and Innovation (CRI), Department of Mechanical		

				Engineering, Institute of Engineering & Management Kolkata, University of Engineering & Management Kolkata		
11	"Techno-Economic Analysis of Utilizing Recycled Concrete to Engineer Eco-Friendly and Cost-Effective Masonry Blocks",	G.C.C hikute	2023	International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023, organized by, Centre for Research and Innovation (CRI), Department of Mechanical Engineering, Institute of Engineering & Management Kolkata, University of Engineering & Management Kolkata		
12	"Techno-Economical Study of Plastic Waste Aggregate Usage in Concrete"	G.C.C hikute	2023	International Symposium on Sustainable Waste Management (ISSWM- 2023) 22nd – 24th September 2023, organized by, Centre for Research and Innovation (CRI), Department of Mechanical Engineering, Institute of Engineering & Management Kolkata, University of Engineering & Management Kolkata		
13	"Load Path Analysis in Tall Asymmetric Buildings Considering Seismic Issues for Waste Management",	G.C.C hikute	2023	International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023, organized by, Centre for Research and Innovation (CRI), Department of Mechanical Engineering, Institute of Engineering & Management Kolkata, University of Engineering & Management Kolkata		
14	"Review of Implementation of Lean Construction Technology for Waste Management",	G.C.C hikute	2023	International Symposium on Sustainable Waste Management (ISSWM-2023) 22nd – 24th September 2023, organized by, Centre for Research and Innovation		

			(CRI),Department of Mechanical Engineering,Institute of Engineering & Management Kolkata, University of Engineering & Management Kolkata		
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PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	--	30

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
01	A text book of Concrete technology	Technical Publication, Pune	ISBN No. 978-93-5099-154-1.
02	A text book of Building technology and Materials	Technical Publication, Pune	ISBN No. 978-93-5099-154-1.

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1	Research Funding- Use of Plastic aggregate in Concrete- Project Funding	2013-14	Durocrete Pvt. Ltd Pune	25000
2	Consultancy- Concrete Testing	2017	Water Conservation Dept. Maharashtra Government	10000

3	Structural Audit for National Vidyut Nigam, Dehli	2023	National Vidyut Nigam, Dehli	15000
4	Structural design for solar panel supporting structure	2023	Theerth Reality Pvt. Ltd. Pune	30000

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

S.No	Title	Type	Duration	Level (State/National / International)	Sponsoring Agency
01	One Day Workshop on Drafting of BE Civil Syllabi	Workshop	10th June 2015	SPPU	AISSMS's COE, Pune
02	One day State level workshop on 'Advanced trends in Transportation and Environmental engineering'	Workshop	2017	State	SPPU
03	Two Days National workshop on 'Alumni Connect' Under New Education Policy (NEP-2020)	Workshop	2023	SPPU	Sponsored by Savitribai Phule Pune University SPPU
04	Two days State level Seminar on 'Advanced Wastewater Treatment Technologies'	Seminar	25th -26th March 2013	State	AISSMS's COE, Pune.
05	As a Managing Committee for National Conference 'Frontier Technology in Waste Management' held on,organized by Chemical and Civil Engineering Department , AISSMS's COE, Pune.	Seminar	15th – 17th Jan.2014		AISSMS's COE, Pune
06	"Post graduate Conference 2016",	Conference	09th -10th June 2016	SPPU	Department of Civil Engineering in Association with BOS Civil Engineering, SPPU, Pune

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
01	Intellectual property rights - patents 1day State AISSMS College of Engineering, Pune.	Workshop	1 day	AISSMS College of Engineering, Pune	
02	one day International workshop on Urban solid waste management, issues, challenges and options	Workshop	12 Dec 2017	American Society of Civil Engineers (ASCE) in collaboration with IIT Delhi and Institution of Engineers (I) at IIT Delhi	IIT Delhi
03	One day SCILAB workshop	Workshop	4 MAY 19	ICT IIT BOMBAY under PMMMMNMTT.	IIT BOMBAY
04	Workshop on Patient Technology	Workshop	1 day	AISSMS COE.	
05	Workshop on BE Syllabus drafting	Workshop	1 day	SPPU & AISSMS COE Civil Engg Dept.	SPPU
06	Soft computing and its application in engineering,	Seminar	February 5-6, 2014	AISSMS COE	SPPU
07	Data mining and optimization Techniques in computer engineering,	Seminar	11 to 12 December 2014	AISSMS COE	SPPU
08	Advanced wastewater treatment technologies.,	Seminar	March 25-26, 2013	AISSMS COE	SPPU
09	Environment and Green technology for sustainable Development	Seminar	18-19 March 2019	AISSMS COE	SPPU
10	'Artificial Neural Network'	Seminar	1 day	AISSMS COE	SPPU
11	Soft computing and its application in engineering,	Seminar	February 5-6, 2014	AISSMS COE	SPPU
12	3-days Faculty Development Program	FDP	15 to 17 May 2013.	AISSMS COE	AISSMS COE
13	2-Days Faculty Development Program	FDP	22 to 23 Aug 2016.	AISSMS COE	AISSMS COE
14	NPTEL Online Training course on 'Integrated waste management for a smart	FDP	12 weeks, 2017	Indian institute of technology kharagpur	NPTEL course

	city'				
15	NPTEL Online Training course on 'Advanced concrete technology'	FDP	12 weeks, 2018	Indian institute of technology kharagpur	NPTEL course
16	101x Foundation Program in ICT for Education IIT Bombay	FDP	4 weeks, 2018	Online course of Indian institute of technology Bombay, India,	
17	One week FDP on Data Science	FDP	17 JUNE- 22 JUNE 2019	Organised By AISSMS COE Kolhapur university under PMMMNMTT	
18	One week FDP on Civil & Structural industrial design leveraging latest technology (TEKLA)	FDP	27 may- 1 June 2019	organised by COEP AICTE AND COEP	
19	ISTE Approved CETL's One Week FDP on Vision-Mission-Goals-PEO- PSO-PO-CO: Framing, Mapping, Assessment and Attainment'	FDP	10-15 JUNE 2019	AISSMS COE	
20	One Week online FDP on, "Advances in Civil and Structural Engineering"	FDP	15th June to 19th June 2020	Organized by GCOE Karad & GCOE Nagpur from. TEQP3	
21	One Week online FDP on, "lean 6 sigma-green belt",	FDP	15th June to 20th June 2020.	organized by VIIT Pune	
22	One Week FDP on "Technology for infrastructure planning, design, monitoring, & management"	FDP	16 to 20 June 2020	organized by Nalla Malla Reddy engineering college, Hyderabad,.	
23	Frontier Technologies in waste Management	Conference	January 15-17, 2014	National, AISSMS COE Pune, Organized by AICTE and Civil & Chemical Department of AISSMSCOE	
24	Applications of Nano materials in construction for sustainable development",	Conference	9th & 10th Sept 2017.	National conference on Nanotechnology and its application for sustainable development organized by Institution of Engineers (I) at Pune	
25	International conference on Urbanization challenges in Emerging Economics	Conference	13 to 14 Dec 2017	organized by American Society of Civil Engineers	

				(ASCE) in collaboration with IIT Delhi and Institution of Engineers (India) at IIT Delhi on.	
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Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Working as member of Governing Body of AISSMS COE Pune, since 2014.
02	Working as Infrastructure In charge of AISSMS COE Pune, since 2012.
03	Working as Chairman, Moderator and examiner for Pune university examination of various subjects.
04	Resource person at Dhole Patil college of Engineering Wagholi Pune on topic
05	'Bridge engineering' on 07/10/2017.
06	Reviewer of Building & Environmental Journal , sci and scopus indexed Elsevier Publication, ISSN: 0360-1323
07	Reviewer of International Conference on Innovations in Structural Engineering organized by Civil Engg. Dept., University College of Engg., Osmania University Hyderabad on 14-16 Dec 2015.
08	Reviewer of NCIET 2022 Conference organized by AISSMS COE Pune.
09	Reviewer of Journal of Performance of Constructed Facilities, ISSN : 0887-3828, ASCE Publication.
10	Worked as
11	Appointed as BOS Member of Civil Engineering at DY Patil University, Ambi, Pune.
12	Selected as Mentor for DBATU Forum of Innovation, Incubation & Enterprise (DFIIE), at Dr. Babasaheb Ambedkar Technological University Lonere.

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
Institution of Engineers (India)- IEI	National	Life	M-159287-9
Solar Energy Society of India (SESI)	National	Life	LM/2608/2021

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

Dr. Ganesh C Chikute