

Dr. Ganesh Chandrakant Chikute

DCE, BE (Civil), M-Tech (CM), Ph.D. (Civil)

Assistant Professor

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Personal Details

Date of Birth: 23/ 09 / 1980

Gender: Male

Blood Group: B+ve

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Academic Qualification

Course/Degree	Institute/University	Year of Passing	Class
Ph D (Civil Engg.)	College of Engineering Pune (COEP) / Savitribai Phule Pune University (SPPU)	2022	--
M Tech (Civil Engg.- CM)	College of Engineering Pune (COEP) / Savitribai Phule Pune University (SPPU)	2010	First
B.E. (Civil Engg.)	Cusrow Wadia Institute of Technology (CWIT) / Savitribai Phule Pune University (SPPU)	2004	First
Diploma in Civil Engg.	Government Polytechnic Pune (GPP)	1999	First
S.S.C.	KBPV Pune / S.S.C. Board	1996	First

Experience

Sr. No.	Name of Organization	Designation	Period	
			from	To
1	AISSMS COE	Assistant Professor	01/03/2012	Till Date
2	AISSMS COE	Lecturer	01/10/2010	28/02/2012
3	Garware Wall Ropes Ltd	Project Coordinator	10/10/2008	11/11/2009
4	Kanix Infotech Pvt.Ltd	Sr. Implementation Engr.	21/02/2006	07/10/2008
5	V.M.Cosultants	Designing Engineer	01/07/2003	31/01/2006
6	Concrete Builders	Site Engineer	01/07/2002	30/06/2003
7	Gupta Builders	Site Engineer	05/01/2000	30/6/2002

Areas of interest & Research topics

Areas of interest

Concrete

Structure

Retaining wall

Transportation

Current Research

Modified Gabion retaining wall, Self interlocking blocks, recycled concrete, Use of plastic waste aggregate

Course Taught and Student Guided

➤ Subjects taught (UG Course)

- Basic Civil & Environmental Engg.
- Engineering Mechanics.
- Structural Design II
- Structural Design III
- Building Technology & Materials
- Advanced Concrete Technology
- Quantity surveying contracting & Tendering
- Transportation Engineering

➤ Students' Projects guided

1. UG Students projects: 30
2. PG Students projects:

Membership of Professional Chapters

1. Institution of Engineers (India)- IEI : M-159287-9
2. Solar Energy Society of India (SESI) : LM/2608/2021

Contribution/Achievement (Professional, Academic and Administrative)

1. Working as member of Governing Body of AISSMS COE Pune, since 2014.
2. Working as Infrastructure In charge of AISSMS COE Pune, since 2012.
3. Working as Chairman, Moderator and examiner for Pune university examination of various subjects.

4. Resource person at Dhole Patil college of Engineering Wagholi Pune on topic 'Bridge engineering' on 07/10/2017.
5. Reviewer of Building & Environmental Journal , sci and scopus indexed Elsevier Publication, ISSN: 0360-1323
6. Reviewer of journal, Sustainable Civil Infrastructures, sci and scopus indexed, ISSN: 2366-3405.
7. 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.
8. Reviewer of NCIET 2022 Conference organized by AISSMS COE Pune.
9. Reviewer of Journal of Performance of Constructed Facilities, ISSN : 0887-3828, ASCE Publication.
10. Worked as Chairman and member of flying squad, external and internal supervisor of Pune University Engineering Examination.
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.

Contribution in Publication

A: Text Book

- 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.

B: Journal Papers

1. A technical paper on "Failures of Gabion Walls" in IJITEE (International journal of innovative technology and exploring Engineering, ID-J97310881019, and E-ISSN: 2278-3075, Scopus, UGC Indexed. Volume-8, Issue-11 Sept 2019.
2. A technical paper on "Techno-Economical Analysis of Gabion Retaining Wall against Conventional Retaining Walls" in International Research Journal of Engineering and

- Technology (IRJET), FTP682608, ISSN: E-23950056 P-23590072, Thomson Reuter and Copernicus Indexed. Volume-6, Issue-8 Aug 2019.
3. A technical paper on “An experimental investigation of natural aggregate replace by RCA for producing eco-friendly concrete” in IJRT (International Journal of Innovative Research in Technology), ID-149020, ISSN: 2349-6002, Vol-6 March 2020.
 4. Paper on “Recycled concrete Blocks- Eco friendly and cost effective solution for masonry construction”, Journal of Seybold Report ISSN NO: 1533-9211 VOLUME 15 ISSUE 8 2020, 185-195, Scopus, UGC Indexed.
 5. Chikute GC, Sonar IP. Gabion Wall: Eco-friendly and Cost-Efficient Retaining Wall. In: Lecture Notes in Civil Engineering. Vol 124 LNCE. Springer Science and Business Media Deutschland GmbH; 2021:229-249. Doi: 10.1007/978-981-33-4590-4_22, Scopus, UGC Indexed.
 6. Chikute GC, Sonar IP. Investigation of Gabion Wall Failures and Recommendations. In Lecture Notes in Civil Engineering, Springer, Scopus, UGC Indexed.
 7. G.C.Chikute, I.P.Sonar (2019), “Failures of Gabion Walls” International journal of innovative technology and exploring Engineering, ISSN: 2278-3075, 8 (11), 1384-1390, Sept 2019, Scopus and UGC Indexed.
 8. G.C. Chikute (2023) “Performance evaluation of Modified Gabion Retaining Wall”, Int. J. Masonry Research and Innovation, ISSN / eISSN 2056-9459 / 2056-9467, Scopus and SCI Indexed.
 9. G.C.Chikute, (2023), “Prediction of Compressive Strength of High Strength Concrete using Artificial Intelligence and Machine Learning Techniques”, Journal of material science and technology, ISSN- 1005-0299, Scopus and SCI Indexed.
 10. G.C. Chikute (2024), “Comparative Analysis of Gabion Retaining Wall” Journal Vigyan Prakash, Vol. 21 Issue-2 April-June 2023, ISSN-1549-523X, UGC Indexed.
 11. G.C. Chikute (2024), D.V.Wadkar “Effectiveness of different Artificial Neural Network models in establishing the suitable dosages of coagulant and chlorine in water treatment works”, Journal: Nature Environment and Pollution Technology, Dec-2024, ISSN:0972-6268E-ISSN:2395-3454, Scopus Indexed.

C: Conference Papers

1. G.C.Chikute, I.P.Sonar (2017), "Techno-Economical Analysis of Recycled Masonry block for eco-friendly and Economical construction", 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.
2. G.C.Chikute, I.P.Sonar (2020), "Investigation of Gabion wall failures and recommendations", 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.
3. G.C.Chikute, I.P.Sonar (2020), "Gabion wall - ecofriendly and cost-efficient retaining wall", 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.
4. G.C.Chikute, I.P.Sonar, (2020), IEI Centenary Publication- Flash Floods: Challenges and its Management, "Gabion Retaining Wall- time Efficient, Cost Efficient and Environmental Friendly Structure to Control Flood" (111).
5. G.C.Chikute, I.P.Sonar (2020), "Modification of Gabion retaining wall", National conference on recent advances in structural engineering (NCRASE 2020) organized by National Institute of Technology Jamshedpur, under TEQIP-3 on 21-22 Aug 2020, ISSN 2366-2557, ISBN 978-981-334-590-4, Springer nature publication , UGC & Scopus indexed.
6. G.C.Chikute (2017), "Applications of Nano materials in construction for sustainable development", in National conference on Nanotechnology and its application for sustainable development organized by Institution of Engineers (I) at Pune on 9th &10th Sept 2017.
7. G.C.Chikute, Monika Ghodake, (2020), "Detailed study on effect of changing parameters on cantilever retaining wall by using software", 23-4 to 3-5 2020, Conference by Civil Engg. Dept. Marathwada Institute of technology Aurangabad & Indian Geotechnical society Aurangabad chapter.

8. G.C.Chikute, Aishwarya Phalke, (2020), "Experimental investigation of natural aggregate replace by RCA for producing eco-friendly concrete", 23-4 to 3-5 2020, by Civil Engg. Dept. Marathwada Institute of technology Aurangabad & Indian Geotechnical society Aurangabad chapter.
9. G.C.Chikute, (2023), "I-sand: An Environmental Friendly Sand used in Reinforced Cement Concrete Construction", 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. G.C.Chikute, (2023), "Engineering a Sustainable Future: Reusing Demolished Waste Block by Block", 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. G.C.Chikute, (2023), "Techno-Economic Analysis of Utilizing Recycled Concrete to Engineer Eco-Friendly and Cost-Effective Masonry Blocks", 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. G.C.Chikute, (2023), "Techno-Economical Study of Plastic Waste Aggregate Usage in Concrete", 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. G.C.Chikute, (2023), "Load Path Analysis in Tall Asymmetric Buildings Considering Seismic Issues for Waste Management", 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. G.C.Chikute, (2023), "Review of Implementation of Lean Construction Technology for Construction Waste Management", 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

Conference/Seminar/Workshop Attended

➤ WORKSHOPS-

1. Intellectual property rights -patents 1day State AISSMS College of Engineering, Pune.
2. Attained one day International workshop on Urban solid waste management, issues, challenges and options" organized by American Society of Civil Engineers (ASCE) in collaboration with IIT Delhi and Institution of Engineers (I) at IIT Delhi on 12 Dec 2017.
3. One day SCILAB workshop 4 MAY 19 organized by ICT IIT BOMBAY under PMMMNMTT.
4. Workshop on patient Technology Organized by AISSMS COE.
5. Workshop on BE Syllabus drafting by SPPU & AISSMS COE Civil Engg Dept.

➤ SEMINAR-

1. Soft computing and its application in engineering February 5-6, 2014, State at AISSMS COE, Organized by SPPU and Computer Department of AISSMSCOE.
2. Data mining and optimization Techniques in computer engineering, 2 days 11, 12 December 2014, State, at AISSMS COE, Organized by SPPU and Computer Department of AISSMSCOE
3. Advanced wastewater treatment technologies. March 25-26, 2013, National at AISSMS COE, Organized by SPPU and Civil Department of AISSMSCOE
4. Environment and Green technology for sustainable Development. 18-19 March 2019 at AISSMS COE, Organized by SPPU and Civil Department of AISSMSCOE
5. Seminar on 'Artificial Neural Network' SPPU & AISSMS COE Computer Engg Dept.

➤ FDP-

1. Faculty Development Program 3 Day College level AISSMS College of Engineering, Pune on 15 to 17 May 2013.
2. Faculty Development Program 2 Day College level AISSMS College of Engineering, Pune on 22 to 23 Aug 2016.
3. NPTEL Online Training course on 'Integrated waste management for a smart city', by

Indian institute of technology kharagpur, 12 weeks 2017

4. NPTEL Online Training course on 'Advanced concrete technology', by Indian institute of technology kharagpur, 12 weeks 2018
5. FDP101x Foundation Program in ICT for Education IITBombayX's FDP101x!, Online course of Indian institute of technology Bombay, India, 4 weeks 2018
6. One week FDP 17 JUNE-22 JUNE 2019 on Data Science Organised By AISSMS COE Kolhapur university under PMMMMNMTT
7. One week FDP 27 may- 1 June 2019 on Civil & Structural industrial design leveraging latest technology (TEKLA) organised by COEP , AICTE AND COEP
8. ISTE Approved CETL's One Week FDP 10-15 JUNE 2019 on Vision-Mission-Goals-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment
9. Attended one Week online FDP on, "Advances in Civil and Structural Engineering", organized by GCOE Karad& GCOE Nagpur from 15th June to 19th June 2020. TEQP3
10. Attended one Week online FDP on, "lean 6 sigma-green belt", organized by VIIT Pune from 15th June to 20th June 2020.
11. One Week FDP on "Technology for infrastructure planning, design, monitoring, & management" organized by Nalla Malla Reddy engineering college, Hyderabad, 16 to 20 June 2020.

➤ **CONFERENCE- Attained**

1. Frontier Technologies in waste Management January 15-17, 2014 National, AISSMS COE Pune, Organized by AICTE and Civil & Chemical Department of AISSMSCOE.
2. "Applications of Nano materials in construction for sustainable development", in National conference on Nanotechnology and its application for sustainable development organized by Institution of Engineers (I) at Pune on 9th &10th Sept 2017.
3. International conference on 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 13 to 14 Dec 2017.
4. Member of Organizing Committee 'PG-CON' 2016 by SPPU & AISSMS COE Civil Engg Dept.
5. Conference on 'Water Management' SPPU & AISSMS COE Civil Engg Dept.

Conference/Seminar/Workshop Organized

➤ WORKSHOPS-

1. Department of Civil Engineering, AISSMS's COE, Pune organized One Day Workshop on Drafting of BE Civil Syllabi held on 10th June 2015 at AISSMS's COE, Pune
2. One day State level workshop on 'Advanced trends in Transportation and Environmental engineering' sponsored by Savitribai Phule Pune University SPPU 2017.
3. Two Days National workshop on 'Alumni Connect' Under New Education Policy (NEP-2020) Sponsored by Savitribai Phule Pune University SPPU 2023

➤ SEMINARS-

1. Two days State level Seminar on 'Advanced Wastewater Treatment Technologies' on 25th -26th March 2013, organized by Chemical and Civil Engineering Department, AISSMS's COE, Pune.
2. As a Managing Committee for National Conference 'Frontier Technology in Waste Management' held on 15th – 17th Jan.2014,organized by Chemical and Civil Engineering Department , AISSMS's COE, Pune.

➤ CONFERENCE-[01]

1. As an Organizing Committee Member for " Post graduate Conference 2016", held on 09th -10th June 2016, organized by Department of Civil Engineering in Association with BOS Civil Engineering, SPPU, Pune

Consultancy / R&D / Funded project

Sr. No.	Title	Period	Beneficiary	Amount INR	Status O/C
1	Research Funding- Use of Plastic aggregate in Concrete-Project Funding	2013-14	Durocrete Pvt. Ltd Pune	25000	C
2	Consultancy- Concrete Testing	2017	Water Conservation Dept. Maharashtra Government	10000	C
3	Structural Audit for National Vidyut Nigam, Dehli	2023	National Vidyut Nigam, Dehli	15000	C
4	Structural design for solar panel supporting structure	2023	Theerth Reality Pvt. Ltd. Pune	30000	C

10th April 2024

Dr. Ganesh C. Chikute