

SRES', Sanjivani College of Engineering, Kopargaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Mr. Chetan Ramesh Limkar			
Designation: Assistant Professor			
Department : Civil Engineering			
Date of joining : 8th September, 2025			
E Mail ID :	limkarchetancivil@sanjivani.org.in		
Contact No:	(91) 9511786548/8149490449		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	Civil Engineering	Savitribai Phule Pune University	2013
PG	Transportation Engineering & Management	Sant Gadge Baba Amravati University	2017
Ph.D. (Pursuing)	Civil Engineering – Concrete Technology & Sustainability	Savitribai Phule Pune University	-
Total experience in years:			
Teaching:	12 years		
Industry:	-		
Research and Publications			
Year 2024			
1) More, A. H., Dhere, P. S., Deshmukh, S. D., Kokane, S. R., Patil, S. S., Limkar, C. R., & Asabe, P. B. (2024, October). A comprehensive review on the development of pervious concrete paver blocks for buildings and roads. International Journal for Research in Engineering Application & Management (IJREAM), 10*(7). ISSN 2454- 9150. https://doi.org/10.35291/2454-9150.2024.0385			
2) Gaikwad, S. M., More, A. N., Bhosale, R. D., Darandale, R. R., & Limkar, C. R. (2024, October). Enhancing performance of concrete pavement through sustainable approaches: Utilizing fly ash, metakaolin, and silica fume. International Journal for Research in Engineering			

Application & Management (IJREAM), 10*(7). ISSN 2454-9150.
<https://doi.org/10.35291/2454-9150.2024.0384>

- 3) Wagaj, S. S., Patil, S. S., Machale, P. D., Dubule, P. S., Pawar, G. K., Siddham, P. G., & Limkar, C. R. (2024, October). A review paper on design and development of various cement mortars combinations in 3D printing in construction. International Journal for Research in Engineering Application & Management (IJREAM), 10*(7). ISSN 2454- 9150. <https://doi.org/10.35291/2454-9150.2024.0387>
- 4) Ashtul, S. V., Chavare, N. D., Karande, P. P., Mane, A. J., Limkar, C. R., & Siddham, P. G. (2024, October). A comprehensive review on performance evaluation of mortar mixes for concrete spacers. International Journal for Research in Engineering Application & Management (IJREAM), 10*(7). ISSN 2454-9150. <https://doi.org/10.35291/2454-9150.2024.0388>
- 5) Lande, S. S., Satpute, A. S., Korake, R. K., Salvitthal, H. S., Londhe, T. D., & Limkar, C. R. (2024, October). Innovating concrete production: Harnessing the waste plastic bottles for sustainable construction. International Journal for Research in Engineering Application & Management (IJREAM), 10*(7). ISSN 2454-9150. <https://doi.org/10.35291/2454-9150.2024.0389>
- 6) Mane, P. S., Limkar, C. R., Pawar, P. M., Jadhav, R. P., & Devmare, N. B. Laboratory Investigation to Enhance Strength Parameters of Concrete Pavement using A Sustainable Approach. *JOURNAL OF TECHNICAL EDUCATION*, 16.
- 7) Raut, D. A., Limkar, C. R., Bhusnar, V. D., Khandagale, G. A., & Gaikwad, A. G. An Investigation into the Viability of Various Substitutes for River Sand and the Impact of Aggregate Gradation on Improving Concrete Mixes. *JOURNAL OF TECHNICAL EDUCATION*, 25.
- 8) Shinde, M. R., Mali, M. M., Limkar, C. R., Kokare, A. B. (2024, June 30). Development of various concrete mixes for self-compacting concrete with a sustainable approach. Indian Journal of Technical Education, 47(Special Issue).

Year 2023

- 9) Benare, S. V., Limkar, C. R., & Pawar, P. M. (2023, July). Performance evaluation of sustainable concrete pavements with utilization of reusable waste material. Journal of Advances and Scholarly Researches in Allied Education, 20*(3). E-ISSN 2230-7540. Published by Ignited Minds Journals.

Year 2021

- 10) Limkar, C. R., & Deshmukh, M. (2021, September). Design of rigid pavement using bacterial concrete. *Journal of Advances in Science and Technology, 18*(2). ISSN 2230-9659.

Year 2020

- 11) Taralgatti, P. D., Pawar, R. S., Pawar, G. S., Nomaan, M. H., & Limkar, C. R. (2019). Water quality modeling of Bhima River by using HEC-RAS software. Development, 24, 8-35. DOI: 10.35940/ijeat.B3481.029320

Year 2019

- 12) Limkar, C., Kapse, R., & Gosavi, S. (2019, November). Design of Public Transit System

for Aurangabad City. In Techno-Societal 2018: Proceedings of the 2nd International Conference on Advanced Technologies for Societal Applications-Volume 1 (pp. 933-942). Cham: Springer International Publishing. 10.1007/978-3-030-16848-3_85

- 13) Godase, Y., Sapkal, A., Madake, B., Kamble, A., Lengare, A., & Limkar, C. (2019, September). Development of smart traffic system for Pandharpur city using ITS system. International Journal of Electrical, Electronics and Data Communication (IJEEDC), 7*(8).

Year 2017

- 14) Limkar, C., & Kishor, B. (2017). Implementation of Bus Rapid Transit System for Aurangabad City. Vol. 02. ISSN: 2455-7137. Publish International Journal of Latest Engineering Research and Applications (IJLERA).

Research Profile URL

Google Scholar

<https://scholar.google.com/citations?user=cqjkkusAAAAJ&hl=en>

Orcid

<https://orcid.org/0009-0003-3481-6980>

Other Research Details

B Tech Projects

B Tech Guide: Yes

Key Projects & Research

- Design and Development of Concrete Mixes for Mivan Construction – Developed sustainable mixes ensuring stability and efficiency.
- Comparative Study of River Sand, Manufactured Sand, and Slag Sand in Concrete – Evaluated compressive strength with different aggregates.
- Development of Pervious Concrete Paver Blocks for Buildings and Roads
- Performance Evaluation of Mortar Mixes for Concrete Spacers.
- Development of Various Concrete Mixes for Self- Compacting Concrete with a Sustainable Approach.
- A Parametric Study on Carbon Footprint Calculation for Pavement Quality Concrete with Supplementary Cementitious Materials and Recycled Aggregates.
- Experimental Investigation on Effect on Concrete by Partial Replacement of Cement by Silica Flume and Metakaolin.
- Implementation of Bus Rapid Transit System for Aurangabad City.

	<ul style="list-style-type: none"> • Development of smart traffic system for Pandharpur city using ITS.
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Papers presented in conferences:

Sr. No.	Author	Title of Paper	Name of Conference	Date and Venue
1	Limkar C. R. & Wankhede P. R.	Implementation Of Bus Rapid Transit System For Aurangabad City	National Conference on Green Engineering and Technology -2016	26 th February,2016 Government Polytechnic, Nagpur.

Professional Memberships:

- **Member of Institute of Engineers (MIE) M-1797875**
- **Lifetime member of Indian Concrete Institute (LM 14851)**

Grants fetched

Duration	Title	Issued Organization	Amount
2023-24	“Sustainability Performance Improvement of Pavement Quality Concrete Using Reusable Materials”	Punyashlok Ahilyadevi Holkar Solapur University, Solapur under Seed Money for Researcher Scheme.	Rs. 90,000/-

Awards

- 1) Received **First Prize and Best Oral Presentation Award** at the “2nd International Conference on Sustainable Innovations in Civil and Mechanical Engineering” organized by Department of Civil and Mechanical Engineering SKN Sinhgad College of Engineering Korti, Pandharpur-413304, Maharashtra, India.
- 2) As a mentor, secured **First Prize in ECOCRETE** Competition in two consecutive years (Concrete Mix Design) at WITCHAR Event organized by Department of Civil Engineering in association with UltraTech Cement Ltd. (WIT- UltraTech Centre of Excellence), Walchand Institute of Technology, Solapur.
- 3) As a mentor/guide, my students secured **Best Paper Presentation Award** for the paper titled “A Comprehensive review on performance evaluation of mortar mixes for concrete spacers” in national conference on “Sustainable infrastructure & Innovations in Civil Engineering (SIICE – 2024)” organized by the department of civil engineering, Guru Nanak Dev Engineering College, Bidar during 27th & 28th September, 2024.
- 4) As a mentor/guide, my students secured **Best Project Award** for the project titled” Performance Improvement of Concrete Pavement with the Sustainable Approach by using FMS” from SVERI’s College of Engineering, Pandharpur for the Academic Year 2022-23.

FACULTY DEVELOPMENT PROGRAMMES ATTENDED

Name of the FDP / Workshop	Organization	Duration	Month-Year
“Sustainability in Civil Engineering: Innovations for a Resilient Future”	Walchand Institute of Technology, Solapur (in association with UltraTech Cement Ltd., IIC & UMA)	Five Days	14–18th April 2025.
“Innovative Techniques in Ground Improvement & Soil Reinforcement for Sustainable Infrastructure”	SVERI’s College of Engineering, Pandharpur	One-Week	11–16th November 2024.
“The art of Living” Happiness program	SVERI’s College of Engineering, Pandharpur	Four Days	28 th January to 2 nd February, 2024.
Alignment Of Entrepreneurship With Construction Management	SVERI’s College of Engineering, Pandharpur	One-Week	24–29th July 2023
“Conviction of Artificial Intelligence in Civil Engineering”	SVERI’s College of Engineering, Pandharpur	One-Week	8–13th March 2023
“Empowering Teachers: A Comprehensive Training Program for Professional Development”	SVERI’s College of Engineering, Pandharpur	One-Week	19-24 th June 2023.
“Journey of Concrete from Waste to Best – Special Focus on Mix Proportioning of Geopolymer Concrete”	Sanjivani College of Engineering, Kopergaon	One-Week	2–7th February 2023.

“Recycling Material in Highway Construction”	Indo Global College of Engineering, New Chandigarh	One-Week	23–28th August 2021.
“Design Thinking for Societal Entrepreneurship”	SVERI’s College of Engineering, Pandharpur	Five-Days	5–9th July 2021.
“Emerging Technologies in Transportation Engineering for Sustainable Development – Phase II: Rigid Pavements”	Vignana Bharathi Institute of Technology, Hyderabad	One-Week	5–10th October 2020.
“Infrastructure Engineering”	NIT Karnataka	Five-Days	21–25th September 2020.
“Construction Technology”	Rajiv Gandhi University of Knowledge Technologies	Five-Days	7–11th September 2020.
“Life Skills for Civil Engineering Professionals”	Angadi Institute of Technology and Management, Belagavi	Five-Days	6–10th July 2020.
“Improving Teaching-Learning Experience Using Best Practices”	Dwarkadas J. Sanghvi College of Engineering, Mumbai	Five-Days	15–19th June 2020.
“Marine Infrastructure Development: Efficient Design of Ports, Terminals, Waterways & Coastal Structures”	IIT Bombay	Five-Days	1–5th July 2019.
“Design and Evaluation of Flexible Pavements”	VNIT, Nagpur.	Five-Days	3–7th December 2018.

Workshops / Seminars / Conferences Attended:

Name of the Seminar / Workshop	Organization	Duration	Month-Year
“MEP Work – From Planning To Execution & Aspect Of Durable Waterproofing for RCC Structures”	Association of Consulting Civil Engineers, Solapur in association with UltraTech Cement Ltd.	One-Day	1 st May, 2024.
“Syllabus Framing of L. Y. B.Tech Civil Engineering (Honours Pattern) ”	SVERI’s College of Engineering, Pandharpur	One-Day	20 th February, 2023.
“Hands-on Experience on Placing of Steel Reinforcement in RCC Structures”	SVERI’s College of Engineering, Pandharpur	One-Day	22nd October 2019.
“Non-Destructive Testing (NDT) of RCC Structures	SVERI’s College of Engineering, Pandharpur	One-Day	21st February 2019.
“Inclusive Technical Education in National Context: Challenges & Solutions 2019”	Swami Ramanand Teerth Marathwada University, Nanded	Two-Days	11-12th January 2019.
National Symposium on “Inclusive and Sustainable Development through Smart Cities”	Rajarshi Shahu College of Engineering, Pune	Two-Days	2-3rd January 2018.
State-Level Seminar on “On-Farm Water Conservation”	Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar	Two-Days	14-15th February 2017.
“Ferro Cement in Civil Engineering Structures“	Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar	One-Day	28th February 2011.

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
“Design Thinking for Societal Entrepreneurship”	SVERI’s College of Engineering, Pandharpur	Five-Days	5-9th July 2021.	89
One-Day Workshop on “Hands-on Experience on Placing of Steel Reinforcement in RCC Structures”	SVERI’s College of Engineering, Pandharpur	One-Day	22nd October 2019.	100

INVITED LECTURES IN CONFERENCE/SEMINAR

Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By
Highway Engineering	Invited Lecture	New Satara College of Engineering and Management (Polytechnic), Korti, Pandharpur on 29 th August, 2025.
Estimation And Costing	Invited Lecture	New Satara College of Engineering and Management (Polytechnic), Korti, Pandharpur on 17th October 2023.
“Alignment of Entrepreneurship with Construction Management”	Keynote Speaker for One week FDP on “Alignment of Entrepreneurship with Construction Management”	Shri Vithal Education & Research Institute’s, College of Engineering, Pandharpur from 24th to 29th July 2023.
Estimation And Costing	Invited Lecture	Shri Vithal Education & Research Institute’s, College of Engineering (Polytechnic), Pandharpur on 12th February 2021.

OTHER Professional URLs

LinkedIn	www.linkedin.com/in/chetan-limkar 4959911b2
YouTube Channel	https://www.youtube.com/@chetanlimkar7120