

Curriculum Vitae

Dr. Pravinchandra Gangadhar Gaikwad

Associate Professor

Department of Civil Engineering

Sardar Patel college of Engineering,

Andheri (W), Mumbai

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Educational Background (Graduation onwards):

- B.E. (Civil Engineering), First Class, from College of Engineering Pune, Maharashtra, in 1994.
- M.E. (Engineering Construction and Management), First Class, Veermata Jijabai Technological Institute, Mumbai University, in 1998.
- PhD from IIT Roorkee, Uttarakhand (2010).

Professional/Teaching Employment:

Sr. No	Employer	Post/Position held	Years of Experience
1	Sardar Patel College of Engineering, Andheri (West), Mumbai. Government Aided Autonomous Institute	Associate Professor Civil Engineering Department	From 25th June 2015 till date.
1	NDMVP's K B G T College of Engineering Nashik-13, Maharashtra.	Professor	4yrs & 24 days
2	NDMVP's K B G T College of Engineering Nashik-13, Maharashtra.	Assistant Professor	5 yrs
3	NDMVP's K B G T College of Engineering Nashik-13, Maharashtra.	Lecturer	6 yrs,11month & 15 days
4	Ashoka Vastu Pvt.Ltd Nashik	Planning Engineer	3month 16 day
5	Sterling Consultant Mumbai.	Assistant Engineer	2 yrs.1month 14 day
6	Sterling Consultant Mumbai.	Junior Engineer	2 yrs,2 month 1 day

Member of professional bodies:

1. The Indian Society for Technical Education Membership No: LM-42432
2. Indian Water Resources Society Roorkee India Membership No: LM-2005-6649
3. Indian Association of Hydrologists Roorkee India Membership No: LM-1383
4. Indian Geotechnical Society Membership No: LM-2722
5. Indian Society of Earthquake technology- Membership No: LM-1497
6. Life member of Association of Consulting Civil Engineers, Nashik.

Details of PhD Mentorship

Sr.No.	Name of Scholar	Title of Research	Remark
1	Mr. Prashant B. Kanawade	Development of High Micro fines Sustainable Concrete based on Particle Packing Theory	Ongoing
2	Mr. Snehjit J. Kumbhar	Biochar-amended co-composting of vegetable waste & dairy sludge: Parameter optimization, process evaluation, and impact on compost quality.	Ongoing
3	Mr. Prashant R. Narayane	Performance Evaluation of Bio electrochemical Systems for Wastewater Treatment: Electrocoagulation and Desalination Under Varying Operational Conditions	Ongoing

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

Research Publications

Published in refereed International Journals

1. Navandar Y. V., Bari Chintaman and Gaikwad P G., “Failure factors—a comparative study of private and government construction firms” Engineering Construction and Architectural Management Emrald Publishing Limited, 2021. **DOI10.1108/ECAM-03-2020-0184**
2. Kasar Rushikesh R. and Gaikwad P. G. “Application of BIM: A Case of Flyover” hosted on Elsevier SSRN.com Proceeding, 2018.
3. Gaikwad P G., Nagrale Prashant P and Patil Nilesh, “Analysis of time and Cost Overruns in Road Project”, Journal of Construction Engineering, Technology and Management, pages1-5, Volume 6,Issue 1, 2016.

4. **P G Gaikwad** Deepak Khare and G C Mishra (2009). “Leaching studies and Metal analysis of Fly ash from thermal Power plant of India”.Journal of Solid Waste Technology and Management Vol 35, No. 2,115-123.

Published in National Journals

1. Shahnawaz Khan and Pravinchandra Gaikwad (2022), Use of Primavera for Risk Management of a Residential Building Project at Amravati City, Journal of Real Estate, Construction Management, Volume 37, Issue S2, <https://doi.org/10.1177/297765702022S209>
2. **P G Gaikwad** and Deepak Khare (2009). “FE-SEM EDAX Studies on Fly ash particles”. Journal of Environmental Research and Development, Vol.4, No.1, 55-61.
3. P G Gaikwad Deepak Khare and G C Mishra (2008). “Fly ash Disposal in India: Issues and Challenges”. Environmental Pollution control Journal, Vol.11, No. 69-72.

Book Chapters

1. S. Qureshi and P. G. Gaikwad (2025), “Analyzing Construction Delays using Microsoft Project and Earned Value Analysis”. Converging Horizons in Construction and the Built Environment Digital and Sustainable and Strategic Perspectives, Published by Journal Press India Delhi **Chapter 15, Volume 1, 156-183**. Editors, S. S. Kulkarni, A. Agrawal, S. Yadav and T. Jaisai. <DOI:10.17492/JPI/NICMAR/2507015>
2. **S. Parmar and P. G. Gaikwad** (2025), “Assessment of Critical Success Factors for Project Delivery”. Converging Horizons in Construction and the Built Environment Digital and Sustainable and Strategic Perspectives, Published by Journal Press India Delhi **Chapter 22, Volume 1, 236-244**. Editors, S. S. Kulkarni, A. Agrawal, S. Yadav and T. Jaisai. <DOI:10.17492/JPI/NICMAR/2507022>
3. **A. Ambavkar and P. G. Gaikwad** (2025), “Planning and PMC for Repair of a Building through MSP” Converging Horizons in Construction and the Built Environment Digital and Sustainable and Strategic Perspectives, Published by Journal Press India Delhi **Chapter 104, Volume3, 1182-1196**. Editors, S. S. Kulkarni, A. Agrawal, S. Yadav and T. Jaisai. <DOI:10.17492/JPI/NICMAR/2507104>

Awards or Recognition

Best paper Awards

1. Jay Pavecha and P G Gaikwad, “Implementation of Value Engineering in Fly over project” at 34th INVEST International Conference organized by Indian Value Engineering Society, at Mumbai 7-8 December 2018.

Certificate of achievement at ICES Aakar IIT Bombay to Final Year B. Tech. Project:

1. Assessment of Safety Practices in Construction Projects in Mumbai Metropolitan Region: for securing the People's choice Award in poster presentation competition at ICES 2025, Aakaar, IIT Bombay. This recognition is based on popular vote, reflecting the impact, clarity and engagement of their research presentation.

Research Grant Received:

1. **Title of Project:** "Geoenvironmental Exploration of Nashik Ash Pond", from University of Pune Board of Colleges and University Development – Sanctioned amount Rs. **2,60,000/- Project completed.**
2. **Title of Project:** "Design and analysis of Solid waste plant" SEED money grant under TEQIP II 2015-2016. **Rs 2,06,890/- Project Completed.**

Papers Published/Presented in International/National Conferences:

1. **S. Parmar and P. G. Gaikwad** (2025), "Assessment of Critical Success Factors for Project Delivery" National Level Post Graduate Research Symposium - 2025 dated 11th - 12th April, 2025.
2. **A. Ambavkar and P. G. Gaikwad** (2025), "Planning and PMC for Repair of a Building through MSP" National Level Post Graduate Research Symposium - 2025 dated 11th - 12th April, 2025
3. **S. Qureshi and P. G. Gaikwad** (2025), "Analyzing Construction Delays using Microsoft Project and Earned Value Analysis" National Level Post Graduate Research Symposium - 2025 dated 11th - 12th April, 2025
4. **Vaibhav Umredkar and Dr. P.G. Gaikwad** (2022), Utility of Method Statement for Diaphragm Wall in Underground Metro Station Construction. Sardar Patel International Conference On "Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative" 22nd - 23rd December 2022. Sardar Patel International Conference On "Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative" 22nd - 23rd December 2022
5. **Prashant Kanwade and Dr. P.G. Gaikwad** (2022), Optimization of particle packing of different grain size using experimental investigation and Compressible packing model. Sardar Patel International Conference On "Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative" 22nd - 23rd December 2022. Sardar Patel International Conference On "Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative" 22nd - 23rd December 2022
6. **Shivam Dapkar and P. G. Gaikwad** "Time and cost based performance evaluation of Highway project" 4th International conference on Advances in Civil and Structural Engineering(ICACSE-2020) Jointly organized by GCOE Karad and REC Azamgarh ,India held on 24th & 25th April 2020.
7. **Sachin Ahire and P. G. Gaikwad**, "Value Engineering approach for Aerator in Water Treatment Plant" 4th International conference on Advances in Civil and Structural

Engineering(ICACSE-2020) Jointly organized by GCOE Karad and REC Azamgarh ,India held on 24th & 25th April 2020.

8. **S. S. Dhonde and P. G. Gaikwad**, “Risk Management in Smart city Road Project at Nashik” TEQIP III sponsored National Conference, held at COE Pune 6th & 7th March 2020.
9. **A.S.Kulkarni, V.A.Sheth, M. G.Salvi, P. S. Daund, P. R. Upadhyay, and P. G. Gaikwad.**, “Pretender Method statement for Marine Pile foundation”. TEQIP III sponsored National Conference, held at COE Pune 6th & 7th March 2020.
10. **Shiwani Shekde and P G Gaikwad** “Implementation of Lean Construction Tool on Flyover Construction Project” hosted on Elsvier SSRN.com Proceeding 2018.
11. **Jay Pavecha and P G Gaikwad**, “ Implementation of Value Engineering in Fly over project” at 34th INVEST International Conference organized by Indian Value Engineering Society, at Mumbai 7-8 December 2018
12. **Abba D. Borse and P. G Gaikwad** (2018). “Assessment of Rural Infrastructure of Dahagaon Village in Thane District”. International Conference on Emerging trends and advances in Civil and environmental Engineering (ICETACE-18), held at K. K. W. Institute of Engineering and Research, Nashik, 26-27 February 2018.
13. **K. Sharma and P G Gaikwad**. “Feasibility study and optimization of Piped water Supply System of Pacchapur, Bhiwandi, Thane Maharashtra. 3rd National Conference on Sustainable Water Resources Development and Management”. SWARDAM-2016 on 4th-5th July 2016.
14. **Gaikwad P G. , Nagrale P. P., Patil N. V.**,(2016). “ Analysis of time and Cost Overruns in Road project”. National Conference on advances in Construction Technology and Management, held at VNIT Nagpur, February 19-20.
15. **Dipraj S. Bagul and P. G Gaikwad** (2018). “Evaluation of Earthmoving Construction Equipment Productivity”. International Conference on Emerging trends and advances in Civil and environmental Engineering (ICETACE-18), held at K K W. Institute of Engineering and Research, Nashik, 26-27 February 2018.
16. **Pavaskar M. and P. G. Gaikwad** (2017).”Development of Resource Distribution Heuristic for solving Resource-Constrained Scheduling problems using MATLAB”. International Conference on Advances in Civil and Environmental Engineering, (ICACEE-17), held at Late G. N. Sapkal College of Engineering, Nashik.
17. **Patil N. V., Gaikwad P G.** (2015). “Risk management in Road construction”. 4th International Conference on Recent Trends in Engineering and Technology held at SNJB COE Chandwad, Maharashtra, India.
18. **Sawant S. S., Gaikwad P. G.**(2015). “Life Cycle costing of the building”. 4th International Conference on Recent Trends in Engineering and Technology held at SNJB COE Chandwad, Maharashtra, India.
19. **Rathod J. B., Gaikwad P. G.** (2015). “Building Information Model (BIM) for construction job site accident fall prevention”. 4th International Conference on Recent Trends in Engineering and Technology held at SNJB COE Chandwad, Maharashtra, India.

20. **Mate P B., Gaikwad P. G.** (2015). “Analysis of labour productivity in residential construction” 4th international Conference on Recent Trends in Engineering and Technology held at SNJB COE Chandwad, Maharashtra, India.
21. **Kapadnis P., Gaikwad P. G.** (2014). Job layout planning for construction Industry. International Conference on Scienec and technology held at S. B. patil Collegeg of Engineering Indapur, Pune February 21-22.
22. **Pandit S., Gaikwad P. G. and Baviskar S.** (2014). “ A study of PACK method and remodified minimum moment method of Resource leveling”. 3rd international Conference on recent trends in Engineering and technology held at SNJB COE Chandwad, Maharashtra, India.
23. **Navandar Y V, Gaikwad P G and Devalakr R. V.** (2014). “Construction company failure some issues and challenges in Nashik”. 3rd international Conference on recent trends in Engineering and technology held at SNJB COE Chandwad, Maharashtra, India.
24. **Nikam A. S.** and Gaikwad P. G. (2014). “Thermal comfort for Nashik city”. 3rd international Conference on recent trends in Engineering and technology held at SNJB COE Chandwad, Maharashtra, India.
25. **Gaikwad P. G.** “Geoenvironmental exploration of Nashik Ash pond”. Innovation 2014 Regional research Conference organized by BCUD, Savitribai Phule Pune University.
26. **P G Gaikwad** Deepak Khare A B Saner and R V Develkar. Environmental effects of fly ash disposal on groundwater at Nashik ash pond, 211-217.A national conference on “Recent Advances in ground Improvement techniques” organized by CSIR- Central Building Research Institute, Roorkee 24th-25th February 2011.
27. **P G Gaikwad** Deepak Khare and G C Mishra, Determination of chemical composition of Bottom and Pond ash with the help of FESEM-EDAX, 210-212, National seminar on Advances in Instrumentaion, Signal Processing & Communication (AISPC 2009) held at NDMVP’s K A B G T College of Engineering Nashik-13, Maharashtra, January 23-24,2009.
28. **P G Gaikwad** Deepak Khare and G C Mishra, “Fly ash Disposal in India”. National Conference on Infrastructure Development in Civil Engineering (IDCE2008), 518-523, held at NIT, Hamirpur,HP, India, May 16-17 2008.
29. **P G Gaikwad** and Deepak Khare, “FE-SEM EDAX Studies on Fly ash particles”. International Congress on Environmental Research (ICER) held at BITS Pilani, Goa Campus, and December 18th-20th 2008.

Poster Presentation

1. Gaikwad P. G. Poster on Geo-environmental Exploration of Nashik ash Pond. Innovation 2013, Regional Research Conference Organised by BCUD Savitribai Phule Pune University.

Session Chair/Expert Evaluator

1. 2nd International Conference on Recent trend in Engineering & Technology held during 22nd to 24th Feb 2013, at SNJB COE Chandwad, Maharashtra, India.
2. Expert evaluator for the state level exhibition for Engineering Colleges DIPEX 2015, 10th March 2015.

Expert Talk/ Lecture delivered

1. "Time and Cost overrun in case of Road Project" Delivered at Agnel Polytechnic, Navi Mumbai, ISTE Workshop, on 19th March 2016.

PG Dissertation Guided.

1. Sweta Jagdish Parmar, "Assessment of Critical Success Factors for Construction Projects. (2023-2025)
2. Arjun Ambavkar, "Scheduling and Monitoring of Repair Work of an Existing Residential Building Using MSP". (2023-2025)
3. Saif Qureshi, "Performance Measurement of High-Rise Building through Earned Value Management"(2023-2025)
4. Use of Building Information Modelling as a Lean Tool in Building Construction Sayyed Saqib Ali Sadique Ali (2022-2024),
5. Method Statement for Diaphragm Wall construction in Underground Metro Station. By Vaibhav N. Umredkar. (2021-2022)
6. Carbon footprint Management in Residential Building Construction. By Shakir S. Sunesra. (2022-2023)
7. Comparative Analysis of local Retrofitting technique Column Jacketing using Steel and FRP Material. By Pratik Lokhande (September 2021).
8. Decentralized Water Storage System for a Hilly area of Shriwardhan, District:Raigad. (September 2021) by Aditya Waghmare.
9. Risk Management of a residential Building project at Amravati City. By Shahnawaz A. Khan. (2020-2021)
10. Assessment of Ergonomics in Residential Building Construction Project. By Atul P. Pandey. September 2021.(Sardar Patel College of Engineering, Andheri(w), Mumbai).
11. Assessment of causes and Impacts of change orders on Construction Project, by Idris Z. Dohadwala. (2020-2021). SPCE Mumbai.
12. Claims Analysis On Infrastructural Projects Using Primavera Contract Management, By Pawan Jagtap 2019-2020.(Sardar Patel College of Engineering, Andheri(w), Mumbai).
13. Risk Management in Smart City Road Project at Nashik, By Siddharth S. Dhonde 2019-2020. (Sardar Patel College of Engineering, Andheri(w), Mumbai).
14. Integrated project delivery for highway construction works, By Shivam Dapkar 2019-2020.(Sardar Patel College of Engineering, Andheri(w), Mumbai).

15. Value Engineering in Water Treatment Plant Project at Nashik. By Sachin Ramesh Ahire 2019-2020.(Sardar Patel College of Engineering, Andheri(w), Mumbai).
16. Implementation of Value Engineering Methodology in Flyover Project, By Jay Pavecha 2018-2019.(Sardar Patel College of Engineering, Andheri(w), Mumbai).
17. Collaborative Framework for Implementing BIM in Public Funded Infrastructure Project, By Rushikesh Kasar 2018-2019.(Sardar Patel College of Engineering, Andheri(w), Mumbai).
18. Development of Collaborative E-procurement algorithm for Construction Industry. Mr. Vaibhav Shrikant Joshi. 2017-2018.
19. Assessment of Rural Infrastructure of Dahagaon Village in Thane District. By Mr. Aaba Dattu Borse, 2017-2018.
20. Evaluation of Productivity of Earthmoving Construction Equipment. By Dipraj Bagul 2017-2018.
21. Constrained Project Scheduled Algorithm for Attenuation of Fluctuation in Resource Demand. By Mandar Pavaskar, 2016-2017.
22. Feasibility Study and Optimization of Piped water Supply Scheme. By Kaushlendra Sharma, 2015-2016.
23. Utilization of Building Information Modelling (BIM) for Construction Safety planning of High Rise Building. By Janak Rathod 2015-2016.
24. Feasibility of Susutainable Public Transport System for Nashik city. By Ravindra Bagul 2015-2016.
25. Analysis of labour productivity in Residentail Construction Project. By Pratibha Mate 2015-2016.
26. Life cycle costing of Residential Building. By Shewta Sawant 2015-2016.
27. Risk management in road construction. By Nilesh Patil 2015-2016.
28. Job Layout Planning for Construction Site. By Pushpak Kapadnis, 2013-2014.
29. Analysis of Risks in medium size building projects in metro and non-metro regions of Maharashtra. By Manish Bhandari, 2013-2014.
30. An Application of PACK Method of Resource Leveling for Residential Construction Project. By Suhas Pandit, 2013-2014.
31. Assessment of Thermal Comfort for Energy Management in Residential and School. By- Anant Nikam, 2013-2014.
32. Applications of fast track construction to Sadhugram in Kumbh Mela 2015 at Nashik. By-Manoj Avhad, 2013-2014.
33. Construction company failure for private and Government Sector in India-By Navandar Yogeshwar, 2013-2014.

UG Project Guided.

1. Water Quality analysis of Godavari River 2010-2011.
2. Integrated solid waste management System for Nashik City, 2011-2012.
3. Impact of MSW on Groundwater, 2011-2012.
4. Urban Water Management, 2012-2013.

5. Fly ash Disposal a Case study of Nashik Ash pond 2012-2013.
6. Column leaching studies on Coal ashes 2013-2014.
7. Assessment of Potable Water supply scheme in Rural area. 2015-2016.
8. Design and Development of Municipal Solid waste Plant. 2015-2016.
9. Applications of Lean Principles in Construction Industry. 2016-2017.
10. Strength cost and Time analysis of methods used for repair of RCC Cracked beam. 2017-2018.
11. Village Development Planning of Poi Village, Kalyan (Thane District). 2017-2018.

International Conference/Workshop attended:

1. International symposium on recent advances in water resources development and management (RAWRDM-2005) organised by Department of water Resources of Development and Management, IIT Roorkee Nov. 23-25, 2005.
2. EU- India International River Bank Filtration Conference, Organised by Department of civil engineering IIT Roorkee, Nov 18-19, 2006.
3. Workshop on Conservation and Management of Water Resources, Jointly organized by IIT Roorkee, India and McGill University, Montreal, Canada, February 27-28 2008.
4. National Conference & Exhibition Urban Infra 2012 organised by Association of Consulting civil Engineers (India) Nashik Centre, July 13-14, 2012.

Short Term Training Program Completed on NBA/NAAC/ Pedagogy:

1. TEQIP-III online certification course on “Digital Transformation in Teaching and Learning process” 6th to 22nd April 2020
2. NBA Accreditation and Teaching Learning in Engineering(NATE), 8 week course Indian Institute of Science Bangalore January-April 2020 (Covid-19 Impacted January 2020 semester)
3. Effective Engineering Teaching in Practice, 4 week course IIT Madras January-February 2020 (Covid-19 Impacted January 2020 semester)
4. Quality Initiatives in Technical and Higher Educational Institutes (In Compliance with NBA & NAAC Accreditation) organized by Engineering staff College of India, Hyderabad 7th -9th September 2016, and Hyderabad.
5. “NBA Accreditation-Mapping of PEOs, POs and Cos” Organised by National Institute of Technical Teachers Training and Research, Bhopal, 20th- 24th January 2014 at Government Polytechnic Nashik.

Short Term Training Program Completed:

1. On line course on “Construction Project Management” Organised by IIT Delhi, 30th Nov-4th Dec, 2020.
2. Two week AICTE Funded FDP on “Applications of GPS and Remote Sensing in Civil Engineering” organized by BVB’s Sardar Patel College of Engineering, Mumbai 6th-18th January 2020.

3. Start-Up conclave 2019, organized by BVB's Sardar Patel College of Engineering, Mumbai 23rd-25th January 2019.
4. Five Day FDP under twining organized by BVB's Sardar Patel College of Engineering, Mumbai 29th Oct to 2nd Nov 2018.
5. Pre-symposium workshop on “Seismic soil- structure Interaction for Tall Buildings, Bridges and NPPs”. Held at Department of Earthquake Engineering, Indian Institute of Technology, Roorkee, 19th December 2018.
6. One day Sensitization Workshop on “Equity Action Plan” held on 27th Nov 2018 Under TEQIP III, at Sardar Patel College of Engineering, Mumbai.
7. Faculty Development Program Under TEQIP III from 29th Oct- 2nd Nov 2018, at Sardar Patel College of Engineering, Mumbai.
8. “Faculty Induction Program”, Organised by National Project Implementation Unit along with COEP under TEQIP III 27th Novemebr – 2nd December 2017.
9. STTP on “Developing Interpersonal Skills & Effective Communications” at SPCE Andheri Mumbai, 2- 5th January 2017.
10. STTP on “River Flood Analysis & Modelling”, SVNIT Surat 19-23rd Dec 2016.
11. Training on MCEP at IIM Kozhikode June 20-25 2016 under TEQIP II.
12. Training on Software Autoscan & Autosteel(Software for Bill of Quantities from AutoCAD) from Newton Software Pvt. Ltd. 12-13 May 2016.
13. Two Day Workshop on Technical Aspects in Design and Construction of Bridges” under TEQIP II, 22nd and 23rd April 2016, at Sardar Patel College of Engineering, Mumbai.
14. Two week ISTE workshop on Fluid Mechanics, under National Mission on Education through ICT (MHRD) 20th- 30th May 2014.
15. Syllabus setting for B E (civil) for University of Pune, 31st march 2011 organized at Maharashtra Institute of Technology Pune.
16. Mission 10X for faculty development by Wipro Technologies Ltd, 16th- 20th May 2011, held at NDMVP'S KBT COE Nashik.
17. National workshop on Hydrology project Nashik A meet of principal and Teachers 25th & 26th March 2011, organized by Hydrology project Nashik and K T H M College Nashik.
18. The Ambuja Concrete Mix design Workshop, 16th -18th March 2011 Organised by NDMVP'S KBT COE Nashik
19. Workshop on Global climate Change and its Impact on Water Resources, December 6th 2008, organized by Department of Water Resources Development & Management held at IIT, Roorkee.
20. Workshop on Web of Science –As a research Tool, November 20th 2008, held at IIT, Roorkee Organised by Central Library, IIT Roorkee.
21. Building Energy Simulation Awareness Workshop, October 4th 2008, held at IIT, Roorkee ,Jointly Organised by USAID ECOIII Project New Delhi and Department of Architecture and Planning IIT Roorkee.
22. Municipal Solid Waste-Planning, Collection Handling and Disposal, December 4- 8 2007, held at IIT, Roorkee Organised by Continuing Education Center IIT Roorkee.

23. Hazardous waste Management, Batteries Management and E- Waste Management March 27- 31, 2007, held at IIT, Roorkee Organised by Continuing Education Center IIT Roorkee.
24. Building Acoustics, Feb 26-Mar 02 2007, held at IIT, Roorkee Organised by Continuing Education Center IIT Roorkee.
25. Geotechnical earthquake engineering, Dec. 11-15 2006 held at IIT, Roorkee Organised by QIP Center IIT Roorkee.
26. Advanced applications of SCS-CN Technique, Oct. 30- Nov 03 2006 held at IIT Roorkee Organised by QIP Center IIT Roorkee.
27. Environmental Engineering System Optimization, Dec. 13-23, 2004 held at VNIT Nagpur Organised by Department of Civil Engineering.
28. Advanced Water and Wastewater Treatment Technologies and Modeling Techniques.Nov.29- Dec.3 2004, held at IIT Bombay Organised by QIP Center IIT Bombay.
29. National workshop on Environmental Awareness and Pollution Control (EAPC) held at Nashik 26 July 2004 Organised by K. K. Wagh College of Engineering, Nashik.
30. One day symposium on Intellectual Property Management and Technology Transfer, 6th Oct. 2002 Jointly organised by Patent Facilitating Centre (PFC),TIFAC,New Delhi, Science and Technology Park,University of Pune and K T H M College Nashik.
31. Quality in Construction of Concrete and Steel Bridges, 19th Jan. 1996-21st Jan 1996 held at VJTI Mumbai, Organised by Indian Institution of Bridge Engineers, Mumbai.

SWAYAM-NPTEL Online Certification Courses Completed:

1. SWAYAM-NPTEL Course on “Infrastructure Economics” 8 week course January to March 2025.
2. SWAYAM-NPTEL Course on “Watershed Hydrology” 12 week course January to April 2025.
3. SWAYAM-NPTEL Course on “Introduction to Lean Construction Module1-Lean Basics” 4 week course, January to February 2022
4. SWAYAM-NPTEL Course on “Construction Safety” 8 Week, February to April 2021
5. SWAYAM-NPTEL Course on Construction Methods and Equipment Management 8 week Course IIT Kharagpur, IIT Guwahati.
6. Scheduling Techniques in Projects 4 week Course IIT Delhi, January to February 2021.
7. Irrigation and Drainage, 12 week Course IIT Kharagpur, September to December 2020.
8. NPTEL-AICTE FDP on Project Planning and Control, 8 week Course IIT Madras, September to November 2020.

9. Digital Transformation in Teaching Learning Process, 2 week Course, IIT Bombay 6th -22nd April 2020.
10. NBA Accreditation and Teaching Learning in Engineering(NATE), 8 week course Indian Institute of Science Bangalore January-April 2020 (Covid-19 Impacted January 2020 semester)
11. Effective Engineering Teaching in Practice, 4 week course IIT Madras January-February 2020 (Covid-19 Impacted January 2020 semester)
12. Introduction to Accounting and Finance for Civil Engineers, 8 week course IIT Kanpur, January-March 2020 (Covid-19 Impacted January 2020 semester)
13. Product Design Using Value Engineering, 4 week course, IIT Roorkee Aug-Sept 2019.
14. Infrastructure Planning and Management, 12 week Course IIT Madras January to April 2019
15. Geotechnical Engineering Laboratory 4 week course IIT Bombay Aug-Sept 2018.

Faculty Development Programme (FDP) Courses Completed:

1. NPTEL-AICTE FDP on “Infrastructure Economics” 8 week course January to March 2025.
2. NPTEL-AICTE FDP on “Watershed Hydrology” 12 week course January to April 2025.
3. AICTE-ATAL One week FDP on “Urban Infrastructure Sustainability and climate change” 8th January 2024 to 13th January 2024, held at SPCE Mumbai.
4. NPTEL-AICTE 1/2 week FDP on “Introduction to Lean Construction Module1-Lean Basics” 4 week course, January to February 2022
5. AICTE-ATAL One week FDP on “Drug Engineering” 4th October 2021 to 8th October 2021, held at SPCE Mumbai.
6. NPTEL-AICTE One week FDP on “Construction Safety” 8 Week, February to April 2021
7. NPTEL-AICTE One week FDP on “Construction Methods and Equipment Management” 8 week Course January to April 2021 IIT Kharagpur, IIT Guwahati.
8. One week TEQIP-III sponsored FDP on “Efficacy of Digital Pedagogy for Effective online Teaching Learning” 8th to 15th October 2020.
9. TEQIP-III sponsored One week FDP on “Gender Sensitization at work Place” 27th to 29th October 2020.
10. NPTEL-AICTE One Week FDP on “Project Planning and Control”, 8 week Course IIT Madras, September to November 2020.
11. AICTE Funded Two week FDP on “Applications of GPS and Remote Sensing in Civil Engineering” organized by BVB’s Sardar Patel College of Engineering, Mumbai 6th-18th January 2020.

12. NPTEL-AICTE FDP on “Infrastructure Planning and Management” 12 week Course IIT Madras January to April 2019.
13. Five Day FDP under twining organized by BVB’s Sardar Patel College of Engineering, Mumbai 29th Oct to 2nd Nov 2018.

Courses Organized:

1. Organized a Course on “Concrete Mix Design” Under TEQIP II in Collaboration with Ambuja Cements at Ambuja Knowledge Center 10th-11th March 2017 for UG & PG Students.
2. Organized a Course on “Basic Concrete Mix Design” Under TEQIP III in Collaboration with Ambuja Cements at Ambuja Knowledge Center 27th- 28th November 2018. March 2017 for UG Students.

Interaction with Other university

External Examiner for Masters Dissertation in Engineering in Construction Management, Environmental Engineering, Geotechnical Engineering and Infrastructure Engineering subjects for

1. Savitribai Phule Pune University, Pune.
2. North Maharashtra University, Jalgaon.
3. Sandip University, Nashik.

PhD Thesis Evaluation and Examiner:

1. Mr. Sandip N.Palve, “Analysis of air Pollution and Climate change in India Using Satellite Observation” for Savitribai Phule Pune University, Pune
2. Mr. Salgude Rohit Rajabhau, “Accident prediction model based on deformations in Pavement” for Savitribai Phule Pune University, Pune.
3. Nandkishor B. Sonar, (2025). “Evaluating the Feasibility of Considerate Valuation Model for Real Estate Properties in Aurangabad City” MGM University, Chatrapati Sambhaji Nagar, Maharashtra.
4. Upendra Saharkar (2025). “Water Management using Hydrological Modeling and Geospatial Tools for Watershed.” Department of Civil Engineering, JSPM’s Rajarshi Shahu College of Engineering, for Savitribai Phule Pune University, Pune.
5. Ms. Pandya Prachi Vijaykumar (2025). “Assessment of Capacity and Delay for Signalized Arterials with freight Deliveries for Ahmedabad City”. In the faculty of Department of Civil Engineering for Sankalchand Patel university, Visnagar, Gujarat.

List of Subjects Taught at U.G. Level:

1. Basic Civil and Environmental Engineering
2. Engineering Mechanics
3. Strength of Materials
4. Fluid Mechanics
5. Hydraulic Engineering
6. Geotechnical Engineering
7. Foundation Engineering
8. Irrigation and Hydrology
9. Hydrology and Water resources Engineering
10. Construction Management
11. Construction Engineering and Management
12. Risk and Value management
13. Building Construction
14. Appraisal and Implementation of Infrastructure Project
15. Watershed Development and management
16. Engineering Risk and Uncertainty
17. Valuation and Value Engineering

List of Subjects Taught at P.G. Level:

1. Applications of Statistical Methods in Construction
2. Applied Statistics and Quantitative Techniques
3. Research Methodology
4. Value Engineering
5. Project Appraisal Planning Scheduling
6. Construction Management and Organization
7. Appraisal and Implementation of Infrastructure Project
8. Project Monitoring and Control
9. Construction Organization and Safety Management

Assignments at University Level

1. Member of Board of Studies in Civil Engineering SP Pune University, Pune.
2. Expert Member as Staff selection Committee.
3. Worked as Building Construction Committee member for UGC grant Approval.
4. Paper setter for various subjects at UG and PG Level.
5. Participated in syllabus setting workshop.

The information provided above is true to best of my knowledge.

Dr. P G Gaikwad