

CURRICULUM VITAE



PRASHANT D. SATHE

Personal Information:

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Education:

- M. Tech. in Structural Dynamics (June 2008 - November 2010) from Earthquake Engineering Department, Indian Institute of Technology, Roorkee, India.
[Established in 1847, the second oldest engineering college in Asia- www.iitr.ac.in]
- B. Tech. in Civil Engineering (June 2004 - May 2008) from College of Engineering, Pune, (now COEP Technological University – COEP Tech – A Unitary Public University of Government of Maharashtra)
[Established in 1854, the third oldest engineering college in Asia- www.coep.org.in]

Courses taken in Post Graduation:

M. Tech., Structural Dynamics

Indian Institute of Technology, Roorkee

- Earthquake Resistant Design of Special Structures (1)
- Earthquake Resistant Design of Foundations (1)
- Design Of Masonry Structures (1)
- Numerical Methods for Dynamic Systems (1)
- Earthquake Resistant Design of Bridge and Concrete Dams (1)
- Theory Of Vibration & Engineering Seismology (1)
- Computer Aided Analysis & Computer Applications (1)
- Finite Element Method for Static & Dynamic Problems (1)

Courses taken in Graduation:

B.Tech., Civil Engineering

College of Engineering Pune

- Building Construction, Drawing and Estimation (1)
- Design of Steel Structures (1)

- Fluid Mechanics (2)
- Engineering Geology (1)
- Design of Concrete Structures (1)
- Environmental Engineering (2)
- Hydrology, Irrigation Engineering (2)
- Surveying & Photogrammetry (2)
- Solid Mechanics (1)
- Soil Mechanics and Foundation Engineering (2)
- Structural Analysis (2)
- Transportation Engineering (1)

GATE Examination:

Qualified the GATE Examination from Civil Engineering (CE) in 2008, 2011, 2012, 2013.

Employment Record:

1. October 2021 to Current date: Manager-Regulations, Codes and Approval, Engineering, Hilti India Pvt. Ltd.
 - Technical support to junior engineers for building practical knowledge of applications and techniques. Accountable for standardisation and product testing and to deliver specialized research project related to product system testing. Identify and resolve operational issues for standardisation and ensure project success. Awareness activities and to create collaboration with external stakeholders for standardisation, research, conformity assessment etc.
2. May 2016 to September 2021: Technical Expert-Regulations, Codes and Approval, Engineering, Hilti India Pvt. Ltd.
 - Activities related to Codes and Approval section of Engineering Department. Technical support to engineering team as per requirement with focus on Fastening Technology. Research and testing related to Fastening Technology. Awareness activities related to technical topics.
3. May 2014 to May 2016: Structural Engineer, Dar Al-Handasha, Shair and Partners, Pune.
 - Detail Design of Residential and Commercial Buildings as per ACI, ASCE codes in STRUCTURAL ENGINEERING DEPARTMENT.
4. January 2012 to April 2014: Assistant Professor, MAEER'S MIT, Pune.
 - Teaching, Research and Academic in STRUCTURAL ENG.DEPT.
5. September 2011 to December 2011: Structural Engineer, Dar Al-Handasha, Shair and Partners, Pune.
 - Detail Design of Residential and Commercial Buildings as per ACI, ASCE codes in STRUCTURAL ENGINEERING DEPARTMENT.
6. August 2010 to August, 2011: Structural Engineer, Consulting Engineering Services (India) Private Limited, New Delhi
 - Detail Design and Engineering

Training Course/ Work Shops/ Seminars attended:

1. Participation in the workshop titled “**Concrete Mix Design**” held in Department of Applied Mechanics in Government College of Engineering Pune (March 2006).

2. Participation in the workshop titled “**Earthquake Resistant Design of RCC Buildings**” held in Department of Applied Mechanics in Government College of Engineering Pune (December 2007).
3. Participation in the national research conference on **Disaster Mitigation in Housing In India: An Agenda A For Future (HDMFA 2010)** held by Center of Excellence in Disaster Mitigation And Management, IIT, Roorkee.
4. Participation in the workshop titled “**Recent Trends in Performance Based Design of Structures**” held in Department of Structural Engineering in VJTI, Mumbai (June 2013).
5. Participation in the workshop titled “**Blast Resistant Design of Structure**” held in Department of Civil Engineering in Government College of Engineering Pune (January 2014).
6. Participation in the workshop titled “**Recent Advances in Bridge Engineering**” jointly held by Indian Institution of Bridge Engineers Pune, Alumni Association of College of Engineering Pune and Department of Civil Engineering in College of Engineering Pune (September 2015).
7. Participation in the Conference titled “**CONCRETE 2016- Repair, Rehabilitation & Retrofitting of Concrete Structures**” organized by Indian Concrete Institute (ICI) New Delhi Centre at Jacaranda Hall, India Habitat Centre, Lodhi Road, New Delhi (09-10, September 2016).
8. Participation in the National Workshop titled “**Advances in Repair and Rehabilitation of Concrete Structures, AR2CS-2016**” held in CSIR- Central Building Research Institute, Roorkee (22-23, September 2016).
9. Participation in the Conference titled “**Planning and Design of Tall Buildings Including Earthquake and Wind Effects**” organized by Indian Association of Structural Engineers at Lakshmi Pat Singhania Auditorium, PHD Chamber of Commerce & Industry, New Delhi (06-07, December 2016).
10. Participation in Twenty-Fourth One FULLDAY Workshop on **JIRNODDHARA of RCC Buildings** which is scheduled on 15, April 2017 by The Institution of Engineers (India), Maharashtra State Centre Presenter: Mr Jaykumar Shah.
11. Participation in One Full-day Training on **Facade Design and Testing** on 20th, May 2017 by Façade India Group.
12. **Attended the Training Programme for ‘Technical Committee Members’ which was conducted during 29-30 May 2018 by National Institute of Training for Standardization (NITS), Bureau of Indian Standards (BIS) at NITS Noida.**
13. Participation in BIS-GSI-IITM One Full-day National Workshop on **NBC 2016 Glass and Glazing Aspects** on 3rd August 2018 (Friday) in Mumbai.
14. Participation in **Lecture on Structural Audit Procedures & Requirements** by Dr. Atul Gadgil, Executive Director Maharashtra Metro Rail Corporation on 25th February 2019 at The Institution of Engineers (India), Pune Local Centre, India.
15. Participation in 5- Day Short Term Course on **Risk Targeted Seismic Design** during February 18-22, 2020 at Department of Earthquake Engineering, Indian Institute of Technology Roorkee.
16. Participation in EERI 2020 Distinguished Lecture webinar on **‘Functional Recovery: What it Means to Design for Community Resilience’** which was conducted on 29th April 2020 by The Earthquake Engineering Research Institute (EERI), Oakland, California.
17. Participation in EERI Lecture webinar on **‘Reconnaissance Lessons Learned During the 2019 EERI New Zealand Travel Study Program’** which was conducted on 26th May 2020 by The Earthquake Engineering Research Institute (EERI), Oakland, California.
18. Participation in the SCS Webinar – ‘Cable – Stayed Bridge on Zuari River, Goa’ on 16th May 2020.
19. Attended the 'BIS-IEEE Webinar on World Standards Day, 2020: Protecting the Planet with Standards' on 14/10/2020.
20. Participation in online Lecture on ‘Shear and Flexure in Earthquake Resistant RC Structures’ of Prof. Dr. C.V.R. Murty, Department of Civil Engineering, IIT Madras on 16th October 2020 which was organized by AIT Solutions, Asian Institute of Technology, Bangkok.
21. Participation in online Lecture on ‘**Advances in Evaluation of Building Construction Technologies**’ of Dr. Ajay Chourasia, Sr. Principal Scientist on 17th October 2020 which was organized by CSIR – Central Building Research Institute Roorkee, India.
22. Attended CII-IGBC-Green Building Congress 2020: 29, 30 & 31 October 2020

23. Participation in Webinar on ‘**Disaster Resilient Building Constructions**’ on January 27-30, 2021, organized under the aegis of CSIR Integrated Skill Initiative by CSIR – Central Building Research Institute (CBRI), Roorkee (Uttarakhand).
24. Attended the webinar on ‘**Technology Development for Sustainable Energy Supply**’ of IEL, Kolkata on 5th February 2021.
25. Participation in RDSO – IIT Roorkee Webinar on ‘**Earthquake Resistant Design of Bridges Recent Developments in Design Codes**’ of Prof. Dr. Yogendra Singh, Railway Bridge Chair, Department of Earthquake Engineering, IIT Roorkee on 21st June 2021.
26. Participation in the online advanced course on ‘**Seismic Damage Mitigation of Structures (SDMS – 2021)**’ conducted by CSIR – Structural Engineering Research Centre (SERC), Chennai during 1-3 December 2021.
27. Participation in the ‘**17TH Symposium on Earthquake Engineering**’ conducted by Department of Earthquake Engineering, Indian Institute of Technology, Roorkee during 14-17 November 2022.

Research Paper Published:

1. The research paper named “**Estimation of Governing Parameters of The Structure Subjected to Ground Motion Using Transfer Function Approach**” was published in the 14th Symposium on Earthquake Engineering (14SEE) Scheduled on December 17-19, 2010, at Indian Institute of Technology, Roorkee.
2. The research paper named “**Continuum Damage Mechanics Based Nonlinear Finite Element Analysis of Structure**” was published for the Indian National Conference on July 13-15, 2015, at Department of Applied Mechanics, Indian Institute of Technology Delhi, New Delhi.
3. The research paper named “**Elasto-Plastic Damage Analysis Based on Strain-Space Plasticity**” was published for the 11th International Symposium on Plasticity and Impact Mechanics IMPLAST 2016 at Indian Institute of Technology Delhi, New Delhi, India from 11th December, 2016 to 14th December, 2016.
4. The research paper named “**Rock Engineering Design of Dowel Anchors Using Chemical Adhesives for Substructure Foundation- A Review**” was published for the International Conference on NexGen Technologies for Mining and Fuel Industries (NxGnMiFu-2017) in New Delhi, India, from February 15th to 17th, 2017.
5. Presented technical article on “**An Overview on Design of Critical Non-Structural Elements to Withstand Long-term Movements and its Connection as per Performance Requirement in Tall Buildings**” in ‘Two Days Conference on EVOLVING TRENDS IN TALL BUILDINGS, Chennai-12/07/2018’.

Lectures Delivered:

1. Expert Lecture was delivered on “**An overview on Post-Installed (PI) Fastening Systems for Concrete**” dated 24th August, 2018 at MIT – WPU, Pune.
2. Delivered the keynote lecture in an **International Conference on Rehabilitation and Retrofitting of Structures (ICRRS-19)** which was held on 24th & 25th June 2019 at DAE Convention Centre, Anushaktinagar, Mumbai, India.
3. Delivered the lecture on ‘An Overview of Post-Installed Anchoring Systems for Use in Concrete’ at VNIT, Nagpur on 2nd August, 2019.
4. Delivered the lecture on post-installed fastening systems for use in concrete to B.Tech. and M. Tech. students of Institute of Technology at NIRMA University, Ahmedabad, Gujarat on 9th August, 2019

5. Delivered lecture on post-installed fastening systems for use in concrete to B.Tech. and M. Tech. students of Amrita School of Engineering at Coimbatore, Amrita Vishwa Vidyapeetham, India on 19th August, 2019
6. Delivered the key-note online talk on 'An overview of Post-Installed Anchoring Systems for use in Concrete' which was held on 15th December 2020 by Department of Civil & Environmental Engineering, Indian Institute of Technology, Tirupati, India
7. Delivered the online webinar titled 'An overview of Post-installed Fastening Systems for use in Concrete as per Current Standards' on 28th August 2021 organized by Civil Engineering Department of BITS Pilani.
8. Delivered the online lecture on 'An overview of Post-installed Fastening Systems for use in Concrete as per Current Standards' in CIVISTA'22 fest of the Civil Engineering Forum (CEF), IIT Bhubaneswar on Saturday 16th April 2022.

Technical Book Published:

Developed and authored the technical book along with Mrs. Kamalika Kundu on **Fastening Systems in Concrete Construction**, Bluerose Publishers, New Delhi, India, 2020, ISBN: 978-93-5427-191-5.

Technical Guidance to Dissertations/ Thesis's Collaborative Research Work:

1. M. Tech. Dissertations:

Sl. No.	Candidate Name	Topic of thesis	Institute Name	Tenure	Year of award
1.	Bhagyashree P. Girme	Design, Installation and Testing of Post-Installed chemical anchors in concrete	MIT World Peace University Pune	Jul., 2018- Jul., 2019	Aug., 2019
2.	Ankita S. Bhoir	Effect of post-installed rebar connection on concrete structure	MIT World Peace University Pune	Jul., 2018- Jul., 2019	Aug., 2019
3.	Asmita A. Pawar	Design and Analysis of Post-Installed Mechanical Fastening System for Concrete Structure for Static and Dynamic Load	MIT World Peace University Pune	Jul., 2018- Jul., 2019	Aug., 2019
4	Onkar Tapkir	Design and Analysis of Post-Installed Anchorage Systems in Old Structure	MIT World Peace University Pune	Jul., 2022- Jul., 2023	Aug., 2023
5	Siddhesh Nandan	Design of Post-Installed Rebar Systems in Old Structure	MIT World Peace University Pune	Jul., 2022- Jul., 2023	Aug., 2023

Technical Assistance to Research Projects:

Provided the technical assistance to Hilti sponsored research project titled 'Performance Evaluation of Anchors' undertaken by Bridge Engineering & Structures Department of CSIR – Central Road Research Institute (CRRI), New Delhi which is successfully completed in June 2022.

Significant Contributions:

1. Demonstrated and guided the sponsored collaborative research, testing projects to accomplish.
2. Actively participated into national standardization formulation activities of Bureau of Indian Standards (BIS) and other Standard Developing Organizations (SDO's) like Indian Roads Congress (IRC), New Delhi.
3. Founding member of 'Seismic Academy' which was launched on 1st October 2019 and this is the initiative of Hilti in partnership with key stalwarts in the industry for awareness activities, etc.
4. Developed the academic course curriculum program as per industry requirements with collaboration of universities.
5. Trained the engineering students for construction industry through lectures.

Membership in Professional Societies:

1. Life member [LM 05366] of **Alumni Association of College of Engineering, Pune (COEP), (An Autonomous Institute of Government of Maharashtra, India) - (2008).**
2. Life member [LM 1431] of **Indian Society of Earthquake Technology (ISET)- (2009).**
3. Member [2010030016] of **Alumni Association of Indian Institute of Technology Roorkee (IIT, Roorkee), (Formerly University of Roorkee) - (2014).**
4. Member [M-1743435] of **The Institution of Engineers (India)-(2021)**
5. Member [M 1388] of **Indian Society of Structural Engineers (ISSE) - (2014).**
6. Life member [LM-14-29] of **India Chapter of American Concrete Institute (ACI)-(2014).**
7. Member [149057] of **International Association of Engineers (IAENG)-(2014).**
8. Life member [LM 551] of **Indian Society for Wind Engineering (ISWE)-(2014).**
9. Associate member [AM1010002156] of **The Institute of Research Engineers and Doctors -(DEC.2014-DEC.2017)**
10. Member of **Indian Association of Structural Rehabilitation (ASTR)-(2014).**
11. Member of **International Association for Life Cycle Civil Engineering (IALCCE)-(2014)**

Member of Technical Committees:

- Member Working group (WG) on Anchorages in Concrete, CED 2:2/WG4 under CED 02 Cement and Concrete Sectional Committee of Bureau of Indian Standards (BIS) - 2019
- Member of working group committee for 'Performance Based Design and Retrofitting' under CED 39 – from September 2017 – till December 2021
- Member of working group WG 01: Aluminium doors and windows - specification of CED 11 – Doors, Windows and Shutter Sectional Committee – from June 2020 – till June 2023
- Member of CED 13 Building Construction Practice Sectional Committee – from March 2020 – till January, 2024
- Member of PGD 01 – Basic Standards, BIS from 2018 – till January, 2024
- Member of PGD 37 – General Engineering & Fasteners Standards, BIS from 2018 – till January, 2024

- Member of B – 8 – Maintenance and Rehabilitation; Bridge Specifications & Standards Committee (BSS) of Indian Road Congress – from 2019 – till January, 2024

Cyber Presence:

- LinkedIn Link: <https://in.linkedin.com/in/prashantsatheiiitr10>

Reference:

Prof. Dr. Yogendra Singh
Room No. 108, Department of Earthquake
Engineering, IIT Roorkee.
Email ID : yogendra.singh@eq.iitr.ac.in
Contact No.: 91-01332-285534

Prof. Dr. Balkrishna M. Dawari
College of Engg. Pune, Wellesely Rd,
Shivajinagar, Pune-411 005.
Email ID: bmd.civil@coep.ac.in
Contact Number: +91-020-25507047

Declaration:

I hereby declare that the particulars furnished above are true, complete and correct to the best of my knowledge and belief.

Place: Thane, Mumbai

Date: January, 2024



(PRASHANT D. SATHE)