



PRASAD VIJAY BAHEKAR

Kinhola, Chikhali, Buldana, MH 443001 * 9011087121 * prasad.bahekar@gmail.com

Personal Summary

Background includes carrying out research into Structural Engineering and Rebar corrosion procedures to enhance field knowledge and business success. Proven skills in developing, designing and strengthening applications to achieve challenging objectives with help of innovative analytical and computational strategies. Knowledgeable about managing databases, integrating applications and teaching.

Skills

- Material application
- Structural Audit
- Site investigation reports
- Structural designing
- Testing of concrete members
- Non-destructive testings

Work History

Lecturer, 10/2017 to Current

Government Polytechnic, Amravati/Khamgaon, Maharashtra.

Taught Civil Engineering

Research Scholar, 07/2013 to 10/2017

Visvesvaraya National Institute of Technology, Nagpur, Maharashtra.

Performed extensive research and wrote research papers on rebar corrosion, structural strengthening.

Assistant Professor, 06/2012 to 06/2013

Priyadarshini College of Engineering, Nagpur, Maharashtra.

Taught Civil Engineering.

Education

Doctor of Philosophy (Ph.D.): Structural Engineering, 08/2019

Visvesvaraya National Institute of Technology, Nagpur, Maharashtra.

Impressed Current Cathodic Protection of Rebar in Carbon Fiber Reinforced Polymer Strengthened Reinforced Concrete Members.

Master of Technology: Structural Engineering, 07/2012

Visvesvaraya National Institute of Technology, Nagpur, Maharashtra.

Design of RC members using Fiber Reinforced Polymer bars.

Bachelor of Engineering: Civil Engineering, 07/2009

College of Engineering & Technology, Akola, Maharashtra.

Publications

▪ Patent

1. Bahekar, P. V., & Gadve, S. S. (2018). Method of repair and retrofitting of RC by using Impressed Current Cathodic Protection. Application no. 201821031768 A, Indian Patent. **Granted on 21st November 2023.**

▪ Science Citation Indexed

1. Bahekar, P. V., & Gadve, S. S. (2019). Corrosion of rebar in carbon fiber reinforced polymer bonded reinforced concrete. *Advances in concrete construction*, 8(4), 247-255.
2. Bahekar, P. V., & Gadve, S. S. (2019). Effects of Impressed Current Cathodic Protection on Carbon Fiber-Reinforced Polymer Strengthened Flexural Reinforced Concrete Members. *Corrosion*, 75(6), 693-703.
3. Bahekar, P. V., & Gadve, S. S. (2017). Impressed current cathodic protection of rebar in concrete using Carbon FRP laminate. *Construction and Building Materials*, 156, 242-251.

▪ Scopus Indexed

1. Bahekar, P. V., Gadve, S. S., & Sumanth, V. (2018). Effect of fiber reinforced polymer wrapping on structural behavior of columns with different cross-sections. *International Journal of Civil Engineering and Technology*, (IJCIET), 9(10), 378-387.

▪ Conference

1. Bahekar, P. V., & Gadve, S. S. (2017). Effect of CFRP Strengthening on Corrosion of Rebar in Reinforced Concrete Structures. *International Corrosion Prevention Symposium for Research Scholars 2017 (CORSYM 2017)*. Centre of Advanced and Professional Education (CAPE) University Teknologi PETRONAS, Kuala Lumpur, Malaysia from 3rd to 5th May 2017.
2. Bahekar, P. V., & Gadve, S. S. (2018). Cathodic Protection of reinforcing bar in CFRP strengthened RCC structures. *CORCON 2018*, Jaipur, India.

Conferences

1. Practical Aspects of Structural Design. 03/2014

Visvesvaraya National Institute of Technology, Nagpur, Maharashtra.

2. Seismic Analysis and Design of RC Buildings. 03/2014

Visvesvaraya National Institute of Technology, Nagpur, Maharashtra.

3. Structural Dynamics: Theory, Experiments and Applications. 03/2014

Indian Institute of Technology, Delhi.

4. Understanding Earthquake Behaviour of Buildings. 05/2016

Visvesvaraya National Institute of Technology, Nagpur, Maharashtra.

5. Advanced Surveying Techniques. 01/2019

Government Polytechnic, Amravati, Maharashtra.

Trainings

Faculty Development Programs/ Trainings

1. MHS-20: Start - Up Motivation for students. From 08 to 12 Feb. 2021.

By National Institute of Technical Teachers' Training & Research (NITTTR), Bhopal.

2. Advanced Surveying Instruments and Techniques. From 16 to 22 May 2021.

By AISSMS Polytechnic, Pune.

3. Foundation Training Programme for Class-I Officers of Higher & Technical Education Department

By Yashwantrao Chavan Academy of Development Administration, Pune. From 17/04/2023 28/05/2023.

4. Technical Teachers Training Eight Course Modules. Semester April-May 2022

By NITTT, Chennai.

5. Robotics Process Automation, (Government officials training program). From 21/03 to 01/04/2022.

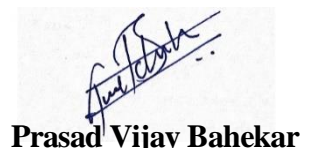
By National Institute of Electronics & Information Technology, Aurangabad.

6. Industrial training in Additive Manufacturing and its Applications. From 02 to 15/02/2022.

By National Institute of Electronics & Information Technology Calicut.

Date: 09/01/2024

Place: Khamgaon



Prasad Vijay Bahekar