

SHRIKANT NANDLAL PAWAR



Date of birth: 25th June 1982.

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- **TOPICS OF INTEREST:** Destructive and Non-destructive testing of materials, Strength of Materials, Design of Steel Structures, Concrete Technology.
- **PROFESSIONAL SUMMARY**
 - ❖ Currently working as an Assistant Professor in the Civil Engg. Dept. of MIT, Chh. Sambhajinagar and completed around 17 years of teaching experience.
 - ❖ Working as Joint Treasurer, Indian Geotechnical Society, Aurangabad chapter, since 2019.
 - ❖ Organising member of the Indian Geotechnical Conference (International) to be held from 19th to 21st December 2024 at MIT, Chhatrapati Sambhajinagar, and 9IYGEC 2023.
 - ❖ Three Research publications in Journals and Nine in International/National Conferences.
 - ❖ Contributed to various academic and administrative committees formed by the institute, such as UBA / UMA / NBA / NABL / syllabus revision/university examinations, etc.
 - ❖ Worked as an Organizing Committee Member for Smart India Hackathon 2022, under the Ministry of Education and Ministry of Education's Innovation Cell, Government of India.
 - ❖ Prepared formats in Excel for the result analysis, attendance analysis, and attainment of course outcomes with expected program outcomes, *etc.*
- **INDUSTRY – INSTITUTE INTERACTION (Through Consultancy)**
 - ❖ Hands-on experience in Consultancy of Preparing reports of Construction Material Testing including Non-Destructive Testing and generated revenue of almost 20lakhs to date.
 - ❖ Prepared Structural Audit report for non-destructive testing on structural elements using Rebound Hammer, UPV, Rebar Locator, and Corrosion Analyser.
 - ❖ Tested Concrete Core samples as per procedure laid by IS codes.
 - ❖ Prepared report for destructive testing of Construction Material *i.e.* Steel, Concrete (Cube, Cylinder, Beam), Bricks, Paver Blocks, etc.
 - ❖ Being a Lab-in-charge, worked to procure many instruments and indirectly contributed to the development of the department and the institutes.
 - ❖ Few Clients are – Badve Engineering, Hedgewar Hospital, Yeshshree Press Comps Pvt Ltd, Maharashtra Jeevan Pradhikaran (MJP), Municipal Corporation, Authorities in Indian Railways, and many private builders/ contractors, *etc.*
- **MEMBERSHIP IN PROFESSIONAL BODIES:**
 - ❖ Member of the Institution of Engineers (India), MIE. (M-163446-6)
 - ❖ Life Member of the Indian Geotechnical Society, IGS. (LM-4642)
 - ❖ Life Member of Indian Society for Technical Education, ISTE. (LM-63264).

• **ACADEMIC PROFILE:**

- ❖ Dr. Babasaheb Ambedkar Marathwada University, Chh Sambhajinagar, Maharashtra.
Ph.D. in Civil Engineering | Pursuing.
- ❖ Government College of Engineering, (An Autonomous College) Chh. Sambhajinagar, Maharashtra.
(Dr. Babasaheb Ambedkar Marathwada University, Chh. Sambhajinagar)
M.E. (Structural Engineering) | 2012 | 66.04%, First Division.
- ❖ Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal, Maharashtra.
(Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon)
B.E. (Civil) | 2006 | 66.71%, Distinction.
- ❖ J. T. Mahajan Polytechnic, Faizpur, Maharashtra. (MSBTE, Mumbai)
D.C.E (Civil) | 2002 | 63.63%, First Division.

• **COMPUTER PROFICIENCY:**

- 1) Maharashtra State Certificate in Information Technology (MS-CIT) with 93% marks.
- 2) Software knowledge – ANSYS (Learning Stage), STAAD Pro., AutoCAD, MS Excel.

• **PROFESSIONAL EXPERIENCE AS AN ASSISTANT PROFESSOR:**

<i>Name of Institute</i>	<i>Responsibilities</i>
MIT, Chh. Sambhajinagar (10/08/15 to till date)	a) Joint Treasurer-IGS Aurangabad Chapter. b) Consultancy for Material Testing. c) Unnat Bharat Abhiyan, Team Member. d) Material Testing Lab In-Charge. e) College & Dept. CT/TW Coordinator.
SSGB COET, Bhusawal (11/07/07 to 07/08/15) <i>(UGC for UG & PGR)</i>	a) Consultancy for Material Testing. b) Material Testing Lab In-Charge. c) Departmental Exam. In-charge.

✓ **Subjects Taught:**

- 1) Undergraduates: Strength of Materials, Design of Steel Structures, Numerical Methods, Geotechnical Engineering.
- 2) Postgraduates: Earthquake Engg. & Design of earthquake-resistant structures, Research methodology, Advanced construction materials & Testing, Optimization Techniques.

✓ **Portfolios / Other activities at the College and Department Level.**

- 1) Working as Core Team Member / Coordinator for ‘Unnat Bharat Abhiyan’ and ‘Unnat Maharashtra Abhiyan’ (2023-24 and 2018-20).
- 2) Having experience in facing committees like the National Board of Accreditation (NBA), National Assessment and Accreditation Council (NAAC), Indian Standard Organization (ISO), and Local Inspection Committee (LIC).
- 3) Worked as Central Coordinator for collecting, checking, and submitting college Assessment marks and records to the University (During 2015-16 to 2017-18).

• **ORGANIZING MEMBER for CONFERENCE / STTP / WORKSHOP:**

- 1) Two-day, university-level workshop on “*Research Methodology and Data Analysis Techniques*” from 29th to 30th March 2019 organized by the Civil Engg. Dept., MIT, Chh. Sambhajinagar.

- 2) Three-day, National level Workshop on “Advances in Geotechnical Engineering & Reliability of Structures” from 3rd to 5th October 2019 organized by the Civil Engg. Dept. of MIT, Chh. Sambhajinagar. (Joint Treasurer)
- 3) One-Week STTP on “Advances in Geotechnical Engineering and Reliability of Structures (AGERS-2021)” from 23rd to 27th August 2021 organized by the Civil Engg. Dept. of MIT, Chh. Sambhajinagar. (Joint Treasurer)
- 4) One-Week STTP on “Advances in Geotechnical Earthquake Engineering (AGEE-2021)” from 25th to 29th October 2021 jointly organized by the Civil Engg. Dept. of MIT, Chh. Sambhajinagar and Dr. BATU, Lonere. (Joint Treasurer)
- 5) One-Week STTP on “Importance of Soil Investigations and Non-Destructive Techniques (ISINDT-2022)” from 8th to 12th March 2022 jointly organized by the Civil Engg. Dept. of MIT, Chh. Sambhajinagar and Dr. BATU, Lonere. (Joint Treasurer)
- 6) One-Week STTP on “ABAQUS for Beginners (Introduction with Hands-on)” from 28th March to 1st May 2022 jointly organized by the Civil Engg. Dept. of MIT, Chh. Sambhajinagar and Dr. BATU, Lonere. (Joint Treasurer)
- 7) One-Week STTP on “Advances in Deep Foundation” from 7th to 11th June 2022 jointly organized by the Civil Engg. Dept. of MIT, Chh. Sambhajinagar and Dr. BATU, Lonere. (Joint Treasurer)
- 8) Worked as a Member of the Organizing Committee for the ‘Grand Finale of **Smart India Hackathon 2022**, Senior Software Edition’ held from 25th to 26th August 2022 in MIT, Chh. Sambhajinagar.
- 9) Worked as IGS Executive Committee Member (Joint Treasurer) for organizing the “**Ninth Indian Young Geotechnical Engineers Conference (9IYGEC)**” from 21st to 22nd March 2023, organized by Civil Engg. Dept. of MIT, Chh. Sambhajinagar; IGS, Aurangabad Chapter and DBATU, Lonere.

- **PAPER PUBLICATIONS / PRESENTATIONS:**

- A. **Papers Published in National /International Journals**

- 1) Attarde P. M. & Pawar S. N., “Computer-Aided Design of Prestressed Concrete Pipe”, International Journal of Latest Trends in Engineering & Technology, Vol. 2, Issue 2, March 2013, ISSN: 2278-621X. URL: <https://www.ijltet.org/wp-content/uploads/2013/04/43.pdf>
- 2) Wankhede P. J. & Pawar S. N., “A Critical Challenge of Corrosion of Reinforcement & its Protection”, International Journal of Innovations in Engineering & Technology, Vol. 2, Issue 2, April 2013, ISSN: 2319-1058. URL: <https://ijiet.com/wp-content/uploads/2013/05/35.pdf>
- 3) Meena S. R., Pawar S. N. *et.al.*, “Implementation of Safety Management through Review of Construction Activities in MS Building Projects”, International Journal of Engineering Research & Technology, Vol. 2, Issue 5, May 2013, ISSN: 2278-0181. URL: <https://www.ijert.org/research/implementation-of-safety-management-through-review-of-construction-activities-in-m.-s.-building-projects-IJERTV2IS50640.pdf>

- B. **Papers authored/co-authored In National / International Conferences**

- 1) Wankhede P. J. & Pawar S. N., “Corrosion of Reinforcement, Monitoring & Protection”, International Conference *i-COST* on Sunrise Technologies SSVP’s BSD College of Engineering, Dhule from 13 to 15 January 2011.

- 2) Wankhede P. J. & Pawar S. N., “Corrosion of Reinforcement, Monitoring & Protection”, National Conference ‘*SCIENSEA–2K11*’ at Shri Sant Gadge Baba College of Engineering & Technology, Bhusawal from 21 to 22 January 2011.
- 3) Pawar S. N. & Wankhede P. J., “Energy Recovery from Urban Solid Wastes”, National Conference ‘*SCIENSEA–2K11*’ at Shri Sant Gadge Baba College of Engineering & Technology, Bhusawal from 21 to 22 January 2011.
- 4) Pawar S. N. & Wankhede P. J., “Repairing the Concrete Members by Using Bacterial Mineral Precipitation” and “Urban Solid Waste Management”, National Conference on Innovative Techniques in Civil Engineering ‘*ITCE 2011*’ organized by J. T. Mahajan College of Engineering, Faizpur from 8 to 9 February 2011.
- 5) Pawar S. N. & Bhalchandra S. A., “Use of Semi-Rigid Connection in Steel Structures – An Economical Aspect”, National Conference on Innovative Techniques in Civil Engineering ‘*ITCE 2011*’ organized by J. T. Mahajan College of Engineering, Faizpur from 8 to 9 February 2011.
- 6) Meena S. R. & Pawar S. N., “Importance of Incident Investigation in Managing Construction Site Safety”, National Conference on Emerging Trends in Civil Engg. ‘*NCETCE 13*’ at R. C. Patel Institute of Technology, Shirpur from 22 to 23 Feb. 2013.
- 7) Joshi A. A., Borole R. V. & Pawar S. N., “Analysis & Design of Pre-stressed Concrete Bridge Girder”, 2nd National Conf. on Emerging Trends in Civil Engineering ‘*NCETCE 14*’ at R. C. Patel Institute of Tech, Shirpur from 28 to 29 March 2014.
- 8) Thakare A. & Pawar S. N., “Cost Analysis using earned value method in the construction industry”, International Conference on Recent Trends in Engg. & Tech. ‘*ICRTET 2013*’, organized by SNJB’s late Sau K. B. Jain COE Chandwad from 22 to 24 February 2013.
- 9) Gajare Y. P., Attarde P. M., & Pawar S. N., “Detail Analysis of Causes of Delays in Residential Construction Projects”, International Conference on Recent trends in Engg. & Tech., ‘*ICRTET 2014*’, organized by SNJB’s late Sau K. B. Jain COE Chandwad from 28 to 30 March 2014.

C. Papers in National level Technical Paper Presentations

- 1) Pawar S. N. & Bhalchandra S. A., “Comparative study of the behavior of rigid & semi-rigid connections in a multistoried frame”, **National** Level Paper Presentation & Technical Event ‘*Illuminati 2012*’ at Gangamai College of Engineering, Nagaon on 2nd March 2012.
- 2) Pawar S. N. & Bhalchandra S. A., “Study of the behavior of rigid & semi-rigidly connected multistoried frames”, **National** Level Technical Paper Presentation Contests ‘*Techcellence 2012*’ at SSGBCOET, Bhusawal on 3rd March 2012.

• ATTENDED FDP / STTP / CONFERENCES / WORKSHOP:

A. ATAL FDP/STTP Programs Attended:

- 1) *One-week STTP* on “Faculty Development including Research Methodology & Mathematical Modeling in Engineering & Technology” from 2 to 7 November 2009 at Shri Sant Gadge Baba College of Engineering & Technology, Bhusawal.

- 2) *One-week STTP* on “Finite Element Analysis & Their Engineering Applications” from 25 to 30 October 2010 at Shri Sant Gadge Baba College of Engineering & Technology, Bhusawal.
- 3) *Two-week ISTE STTP* on “Fluid Mechanics” conducted by the Indian Institute of Technology, Kharagpur, from 20 to 30 May 2014 held under the National Mission on Education through ICT (MHRD), at Shri Sant Gadge Baba College of Engineering & Technology, Bhusawal.
- 4) *Two-week ISTE STTP* on “Introduction to Structural Engineering” by the Indian Institute of Technology, Kharagpur, from 04 to 13 January 2016 held under the National Mission on Education through ICT (MHRD) at Marathwada Institute of Technology, Chh. Sambhajinagar.
- 5) *One-week Online FDP* on “Advances in Civil and Structural Engineering” from 15 to 19 June 2020, organized by the Civil Engineering Department, Government College of Engineering, Karad (Sponsored by Technical Education Quality Improvement Program, TEQIP – III).
- 6) *One-week Online ATAL-FDP* on “Earthquake Engineering” from 1 to 5 December 2020, organized by the Civil Engineering Department, L. D. College of Engineering, Ahmedabad, under AICTE Training And Learning (ATAL) Academy.
- 7) *One-Week Online STTP* on “Structural Health Monitoring, Retrofitting & Rehabilitation” approved by the Indian Society for Technical Education (ISTE), New Delhi, from 12th to 16th July 2021, organized by the Department of Civil Engineering, RMD Sinhgad School of Engineering (RMDSSoE), Pune.

B. National / International Conferences Attended

- 1) *Two-day National Conference* on “Natural Resource Management for Sustainable Development” held on 1 & 2 February 2010 arranged by the School of Environment & Earth Sciences, NMU, Jalgaon.
- 2) *Two-day International Web Conference* on “Impact of COVID-19 on Library Resource Sharing” held on 12 to 13 June 2020 organized by MIT Group of Institutions, Chh. Sambhajinagar.

C. Workshops Attended

- 1) Attended a three-day *Workshop (College level)* on “Entrepreneurship Awareness” at J. T. Mahajan Polytechnic from 26 to 28 September 2001.
- 2) Participated in a One-day *Workshop (College level)* on “Disaster Risk Management and Earthquake Engineering” held on 7 September 2006 at the Civil Engineering Department of Government College of Engineering, Chh. Sambhajinagar.
- 3) Participated in One day *Workshop (National level)* on “National Water Shed Development & Management” held on 19 September 2008 arranged by the School of Environment & Earth Sciences, North Maharashtra University, Jalgaon.
- 4) Attended Two days’ *Workshop (State Level)* on “Environmental Pollution and Preventive Measures” from 17 to 18 February 2010 at Amrutwahini College of Engineering, Sangamner.
- 5) Attended Two days’ *Workshop (National level)* on “Mission 10X” from 5 - 6 September 2010 at JTM COET. Faizpur. (Certificate not issued)

- 6) Participated in a Two-day ISTE *Workshop (National level)* on “Aakash for Education” held under the National Mission on Education through ICT (MHRD) from 10 to 11 November 2012 at SSGB COET., Bhusawal.
- 7) Participated in a One-day Workshop on Total Station & Digital Planimeter - Handling, Application & Operation, held at SSGBCOET, Bhusawal from 29 to 31 January 2014.
- 8) Attended the One-day Workshop on “Introduction of Building Bye-Laws and Land Use” organized by Creative Society’s Creative Group, Jalgaon on 5 October 2014 at I.M.R. College, Jalgaon.
- 9) Attended the One-day *Workshop (State level)* on “Intellectual Property Rights” on 7 September 2018 organized at Govt. College of Arts & Science, Chh. Sambhajinagar.
- 10) Attended a Two-day *Webinar (National level)* on “Earthquake-Resistant Design of Structures”, organized by the Dept. of Applied Mechanics, Govt. Engineering College, Aurangabad, from 13 - 14 May 2020.
- 11) Attended the Two-day workshop on 'Improving Research & Performance Outcomes' at Elsevier's Zoom Webinar, from 19 to 20 August 2021, Presented by Vishal Gupta Senior Customer Consultant, and Lavanya Trikha Inside Solution Manager.
- 12) Attended online expert lecture on “Scientific Drilling to Study Reservoir Triggered Earthquakes” by Hon. Prof. Dr. Nitin R. Karmalkar (Ex. Vice Chancellor, SPPU Pune) held on 25 January 2022, jointly organized by the Department of Civil Engg. TSSM’s PVP Institute of Technology, Bavdhan, Pune & IGS, Pune Chapter.

D. Training Programs Attended:

- 1) Participated in a Two-day *Training Course* on “Good practices in Engineering Education” from 10 to 11 July 2009 organized by E-Learning & CE Department of Shri Sant Gadge Baba College of Engineering & Technology, Bhusawal.
- 2) Attended *One week Workshop (National level)* on “Mission 10X - Workshop on High Impact Teaching Skill” organized by WIPRO from 19 to 24 April 2010 held at SSGBCOET, Bhusawal.

• **OTHER CREDENTIALS:**

A. Contribution to Syllabus Setting: Panel Member for framing and preparing detailed curriculum of UG & PG Courses in Civil Engineering.

B. Research Guidance (M. E./ M. Tech. Student Guidance):

- 1) Meena Sunil R. (2013) – Implementation of safety management through review of construction activities in a multi-story building project – A case study.
- 2) Shaikh Abdul Basit (2021) – Performance of SMRF under various panel zone properties (ETAB).
- 3) Lokesh Verma (2022) – Analytical study of strengthening the RC beam-column joint using steel plates (ANSYS).

C. Appreciation: Effort as an organizing committee member of Smart India Hackathon 2022, from 25-26 August 2022, is appreciated by Gramaudyogik Shikshan Mandal, the parent trust of MIT.

Shrikant Nandlal Pawar