

CURRICULUM VITAE

Dr. Tejas Prakash Bhatkar

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OBJECTIVE

Seeking a position to utilize my skills & abilities in the organization that offers professional growth while being resourceful, innovative & flexible.

WORK EXPERIENCE

Currently working as an Assistant Professor at **Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded** from 27th September 2023 to till date.

- Worked as a Geotechnical Engineer at Anandjiwala Technical Consultancy, Nagpur from 1st March 2018 to 31th July 2019
- Worked as a Geotechnical Engineer at SD Geotesting Solutions & Consultant, Amravati from 1st August 2019 to 25th September 2023
- Handled Geotechnical site Investigation work, Laboratory testing along with report containing recommendations and design criteria for construction.
- Nagpur Metro Rail soil investigation work
- Work for Chhindwara-Nagpur Broad gauge line (embankment settlement)
- Delivered Guest lectures on different aspects of Geotechnical site investigation work and Practical applications for Govt. as well as Private Institute.
- Worked as a Geotechnical Engineer for NABL (National Accreditation Board for Testing & Calibration Laboratories) Audit for Anandjiwala Technical Consultancy, Nagpur in year 2019 and as a Technical Manager for SD Geotesting Solutions & Consultant, Amravati in year 2020-2022

EDUCATIONAL QUALIFICATION

1. **Ph.D** (2018) in Geotechnical Engineering from Visvesvaraya National Institute of Technology (V.N.I.T), Nagpur.
2. **M-Tech.** (2013) in Geotechnical Engineering from Govt. College of Engg. Amravati with the **C.G.P.A. of 9.02.**
3. **B.E.** (2011) in **Civil Engineering** from College of Engineering and Technology Akola, under Sant Gadge Baba Amravati University (SGBAU) with **85.15 %**
4. **HSSC** (2007) from Shivaji Science College, Amravati with **81 %.**
5. **SSC** (2005) from Bhawarilal Samara English High School, Amravati with **80 %.**

AWARDS

- Alumini Award of 15000 /- crash prize and certificate for outstanding student in B.E.
- Gold medal by SGBAU and Vidharbha Housing Society Nagpur for University Topper in SGBAU for B.E in Civil Engineering, 2011.
- Topper in M.Tech Geotechnical Engineering.

PATENT (Utility/Design)

- Published Design patent on **“Robotic device to check ground water quality”** Government of India, date of issue 02/02/2023
- Published Utility Patent on **“Smart Device for Water saving Cooler”** Government of India Journal No. 26/2023 Date of issue 30/06/2023
- Published Design Patent on **“Smart Groundwater Monitoring Device”** Government of India Journal No. 20/2024 Date of issue 17/05/2024

PUBLICATION (SCI Journals and Conferences)

- Paper Presented at ‘National Conference on Advance Techniques in Civil Engineering’ 10-11 February, 2010’ at G.H Rasoni College of Engineering, Nagpur.
- Paper Presented at ‘State Level Technical Paper Presentation’ at Padmashri Dr. Vithalrao Vikhe Patil College of Engineering, A.Nagar, held on 26th and 27th February, 2010.
- Two Day State level workshop at All India Shri Shivaji Memorial Society’s, PUNE on “Eco-Housing: Certification Programme of Residential Building” (EHC-2010) 5th-6th October 2010.
- Volunteer in ‘Inauguration and Session Conduction Committee’ at National Level Technical Paper Contest “CivilFest-2010” held on 30th January, 2010.
- Co-ordinator in TECHNO-Thlon’2011 a National Level Paper, Poster and Robotics Competition, 18th February, 2011.
- Attended ‘Indian Geotechnical Conference-2011, Geochallenges’ Kochi, December 15- 17, 2011.
- Paper Presented on Dissertation work at **“National Conference on Advances in Earth Sciences, Structural, Geotechnical and Earthquake Engineering (AESG2E-2012)”** at ‘Chaintanya Bharathi Institute of Technology’, Hyderabad.
- Dr. Sunil S. Pusadkar, Ms. Tejas Bhatkar **“Behaviour of Raft Foundation with Vertical Skirt using PLAXIS 2D”** published in “International Journal of Engineering Research and Development”. Vol 7 (6), June 2013, pp. 20-24.

- Dr. Sunil S. Pusadkar, Ms. Tejas Bhatkar “***Behaviour of Raft Foundation with Inclined Skirt using PLAXIS 2D***”. Proceedings of Indian Geotechnical Conference December 22-24, 2013, IIT Roorkee.
- Participated in a Poster Presentation on Research Scholar Day (20 Sep. 2014) held at V.N.I.T. Nagpur.
- T. Bhatkar, D. Barman, A. Mandal and A. Usmani “***Prediction of behaviour of a deep excavation in soft soil: a case study***”, International Journal of Geotechnical Engineering. Vol 11 (1), May 2016 pp 10-19.
- T. Bhatkar, A. Mandal, C. Kumar, A. Usmani “***Risk management by geotechnical monitoring for safe excavation of a large rock cavern: a case study***”. Bulletin of Engineering Geology and the Environment. Vol 76, No. 4, Nov. 2017. DOI:10.1007/s10064-016-0963-6
- T. Bhatkar, A. Mandal. “***Wedge failure analysis and remedial measures in large unlined rock cavern: a case study***”. Journal of Archives of Mining Sciences. Accepted for publication.
- Shrikant A. Tekade, Tejas P. Bhatkar “***Discharge formula for thin plated rectangular lab fabricated shrap crested weirs***”. International journal of Civil and Structural Engineering Research. Vol 7, No. 1, Nov. 2019, pp. 71-82.
- Dr. Shrikant Arunrao Tekade, Dr. Tejas P. Bhatkar, Ashay Devidas Shende, “***Design And Analysis of Economical Drainage System***” Journal of Emerging Technologies and Innovative Research (JETIR) Vol 6 Issue 4 (April 2019) ISSN: 2349-5162 pp 285-290
- Sagar Doye, Shrikant A. Tekade and Tejas P. Bhatkar “***A review on development of structural concrete using synthetic, metallic and natural fibres***”. International journal of innovation in Engineering and Science. Vol 4, No. 8, 2019, pp. 133-143
- Shrikant A. Tekade, Tejas P. Bhatkar, Ashay Shende, Kiran Tajne and Ashwin Gawai “***Discharge equation in supercritical flow regime by cut throat flume for different slope condition***”. Vidyabharti International interdisciplinary research journal. Special issue ISSN 2319-4979, pp. 290-300.
- T. Bhatkar, S. Tekade, A. Mandal. “***Variation of Earth Pressure on retaining wall for different wall movement***”. Journal of Harbin Engineering University Vol 44, No. 9, 2023, pp. 971-982.
- Dr. Shrikant Arunrao Tekade, Ashay Devidas Shende, Dr. Tejas P. Bhatkar “***Critical Analysis of Digitalization of Higher Education: A Cross-Sectional Study***” Samdarshi Vol 16 Issue 3 (August 2023) ISSN: 2581-3986 pp 491-496

STTP/WORKSHOP /TRAINING PROGRAMME ATTENDED:

- One week ISTE approved SF-STTP/FDP Programme on “***Soft Computing Techniques and Its Application in Engineering***” held during 12-16 March 2024 organized by Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra.

- Two days workshop on “**Personal Effectiveness Program**” held 24th and 25th May, 2024 at Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra.
- One Week FDP on “**2nd Series of Geotechnical Engineering Practices and Its Sustainable Development 2024**” at Ballari Institute of Technology and Management, Ballari organised by Civil Engg. Dept. during 18-22 June 2024.
- One week STTP on “**Recent Advances in Transportation Geotechnics: Industry Perspective**” (RATG-IP) held during June 24-28, 2024 organized by Department of Civil Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, in association with IGS Jalandhar chapter.
- One Week AICTE recognized FDP on “**Communication at Workplace**” at NITTTR, Chandigarh (Remote Centre:- Anjuman College of Engineering, Nagpur) during 22-26 July 2024.
- 3-day Face-to-Face FDP on the theme “**Inculcating Universal Human Values in Technical Education**” organized by All India Council for Technical Education (AICTE) at Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded during 8-10 August, 2024.
- One week ISTE approved STTP on “**Smart Sensing and Intelligent Systems**” held during 26-30 August, 2024 organised by MKSSS's Cummins College of Engineering for Women, Pune.

RESPONSIBILITY

- (Civil Engineering Student Association) CESA Faculty Coordinator.
- Faculty coordinator for the two days’ workshop on “**Personal Effectiveness Program**” held 24th and 25th May, 2024 at Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra.

PROFESSIONAL MEMBERSHIP

- Life Time Membership of “Indian Geotechnical Society”
- Life Time Membership of “Association of Consulting Civil Engineers (India)”

PROJECT

Ph.D. – Study of Geotechnical Aspects on Surface and Subsurface Excavation in Different Ground Conditions

M-Tech – Behaviour of Skirted Raft Foundation

B.E. – Sustainable Development: A Challenge to Technocrats

CIVIL SOFTWARE

PLAXIS 2D

PERSONAL DETAILS

NAME: - Dr. Tejas Bhatkar

MARRIED: - Yes

DATE OF BIRTH: - 14th Oct. 1989
 GENDER: - Female
 NATIONALITY: - Indian
 LANGUAGES KNOWN: - Marathi, Hindi, English
 HOBBIES: - Music, Travelling, Painting
 ADDRESS: - Plot No.34, Vibhav App.,
 Gittikhadan Layout, Pratap
 Nagar, Nagpur, MH-440022

DECLARATION

I hereby declare that all above information is true & correct to the best of my knowledge.

Place: -Nanded

Date: - 11/09/2024

Dr. Tejas Prakash Bhatkar

| Title of paper | Name of the Authors | Department of the teacher | Name of journal | Year of publication | ISSN Number | Link |
|---|--|---------------------------|--|---------------------|-------------|---|
| <i>Variation of Earth Pressure on retaining wall for different wall movement</i> | T.Bhatkar, S. Tekade,A. Mandal | Civil Engineering | Journal of Harbin Engineering University | 2023 | 1006-7043 | https://harbinengineeringjournal.com/index.php/journal/article/view/1375 |
| Critical Analysis of Digitalization of Higher Education: A Cross-Sectional Study | Dr. Shrikant Arunrao Tekade, Ashay Devidas Shende, Dr. Tejas P. Bhatkar | Civil Engineering | Samdarshi | 2023 | 2581-3986 | https://www.researchgate.net/publication/374118453_Critical_Analysis_of_Digitalization_of_Higher_Education_A_Cross-Sectional_Study |
| <i>Discharge equation in supercritical flow regime by cut throat flume for different slope condition</i> | Shrikant A.Tekade, Tejas P.Bhatkar, Ashay Shende, Kiran Tajne and Ashwin Gawai | Civil Engineering | Vidyabharti International interdisciplinary research journal | 2021 | 2319-4979 | https://www.viirj.org/specialissues/2021/SP2109/Part%204.pdf |

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| <i>Design And Analysis of Economical Drainage System</i> | Dr. Shrikant Arunrao Tekade, Dr. Tejas P. Bhatkar, Ashay Devidas Shende | Civil Engineerin g | Journal of Emerging Technologies and Innovative Research (JETIR) | 2019 | 2349-5162 | https://www.jetir.org/view?paper=JETIR1904W38 |
| <i>Wedge failure analysis and remedial measures in large unlined rock cavern: a case study</i> | T. Bhatkar, A. Usmani, A. Mandal, A. Nanda | Civil Engineerin g | Journal of Archives of Mining Sciences | 2018 | 08607001, 16890469 | https://bibliotekanauki.pl/articles/220251 |
| <i>Risk management by geotechnical monitoring for safe excavation of a large rock cavern: a case study</i> | T. Bhatkar, A. Mandal, C. Kumar, A. Usmani | Civil Engineerin g | Bulletin of Engineering Geology and the Environment | 2017 | 14359529, 14359537 | https://link.springer.com/article/10.1007/s10064-016-0963-6 |
| <i>Prediction of behaviour of a deep excavation in soft soil: a case study</i> | T. Bhatkar, D. Barman, A. Mandal and A. Usmani | Civil Engineerin g | International Journal of Geotechnical Engineering | 2016 | 19386362, 19397879 | https://www.tandfonline.com/doi/full/10.1080/19386362.2016.1177309#d1e170 |