

1. Personal Information

- **Name:** Dr. Pranita N. Balve
- **Position:** Assistant Professor
- **Department:** Civil Engineering
- **Contact Information:** pnbalve@sggs.ac.in , balvepranita21@rediffmail.com

2. Educational Background

Exam	Institute	University/ Board	% Marks	Year of passing	Remark
Ph.D-Civil Engineering	Sardar Vallbhbhai National Institute of Technology, Surat	SVNIT	9.67 CGPA in Course Work	31st October ,2018	Awarded
ME-Water Resource Engineering	Government College of Engineering Aurangabad	BAMU	85%	2013	First class with distinction
BE-Civil	K.K Wagh Institute of Engineering Education and Research	Pune	67%	2011	First class with distinction

3. Research Interests

- **Areas of Expertise:** Water resources systems modeling, Multi objective optimization for river basin management, Fuzzy logic applications in water resources engineering, Soft computing in water resources engineering
- **Ongoing Projects:** NA
- **Interdisciplinary Work:** NA

4. Teaching Experience

University/ College	Designation	Period of Service
Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded	Assistant Professor	27 September 2023 to till date
MVP's, KBT COE, Nashik	Assistant Professor	September 23, 2019 to 26 September 2023
Sandip Institute of Engineering and Management, Nashik	Assistant Professor	December 26, 2014 to September 21, 2019
Civil Engineering Department, SVNIT,	Fulltime Institute	July 22, 2013 to December

Surat	Research Scholar	25, 2014
Sandip Institute of Technology and Research Centre,	Assistant Professor	June, 2012 to July 2023

- **Courses Taught:**

- **UG :** Basic Civil & Environmental Engineering, Engineering Mechanics, Water Resources Engineering, Engineering Hydrology, Fluid mechanics, Hydraulic Engineering, Dams and Hydraulic Structures, Surveying, Advanced Surveying, Strength of Materials, Theory of Structures, Integrated Water resources Planning and Management, Water Conservation and Management.

- **PG :** Application of statistical methods in construction management, Computational Techniques in Water resources engineering, Surface water hydrology

- **Course Development:**

- **At SPPU :** Dams and Hydraulic Structures, Advanced Fluid Mechanics and Hydraulic Machines, Hydrology and Water Resources Engineering.

5. Publications and Presentations

- Balve, P. N. and Regulwar, D. G., ‘Optimal Operation of Reservoir using Fuzzy If then rules.’ National conference on Sustainable Water Resource Planning, Management and Impact of Climate change, BIT’S Pilani, Hyderabad, April 05-06, 2013.pp. 41.
- Balve, P.N. and Patel, J. N., “Different methods for reservoir operating policy”, National conference on Trends and challenges of civil engineering in today’s transforming world, 29th March, 2014, Civil Engineering Department, SNPIT & R.C., Umarakh, Surat.
- Balve, P. N. and Patel, J. N., ‘Optimal reservoir operating policy in fuzzy environment’, International Conference on Hydraulics, Water Resources & Environmental Engineering, 18-20th December, 2014, Maulana Azad National Institute of Technology, Bhopal India.
- Balve, P. and Patel, J., 2016. “Comparison of Different Approaches of Computation of Evapotranspiration”, International Journal of Earth Science and Engineering, 9(1), 18-29.

- Patel, J. N. and Balve, P.N. “Evapotranspiration Estimation with Fuzzy Logic”, International Conference on Innovating Engineering Technologies, 10th, June, 2016, Zurich, Switzerland. [Also published in International Journal of Advances in Mechanical and Civil Engineering, ISSN: 2394-2827 Volume-3, Issue-4, August 2016. pp 73-76]
- Balve, P.N. and Patel, J.N., “Optimal Reservoir Operation Policy using Fuzzy Linear Programming”, International Conference on Innovating Engineering Technologies, 10th, June, 2016, Zurich, Switzerland. [Also published in International Journal of Advances in Mechanical and Civil Engineering, ISSN: 2394-2827 Volume-3, Issue-4, August 2016. pp 77-80]
- Balve, P. N. and Patel, J. N., 2016. “Prediction of evapotranspiration using fuzzy logic”, Journal of Agrometeorology, Vol. 18, No. 2, pp.311-314.
- Balve, P. N. and Patel, J. N., “Optimization of multireservoir operation policy using teaching learning based optimization (TLBO) algorithm, Pertanika Journal of Science and Technology, Vol. 26, No. 3, pp.1155-1168.
- Balve, P. N. and Thakare Akanksha, “Advance Technique for Construction of Road using Soil Stabilizer Base Seal (BS-100)”, International Journal of Research and Analytical Reviews (IJRAR), Vol. 7. No. 1, pp. 943-946.
- Nemade, P. D., Patil, K. T., Balve, P. N. And Kadhbane, S. J. (2021). Treatment of Arsenic Contaminated Water by Electrocoagulation using Punched Iron Electrode. IRJET, 8(8), 1335-1341.
- Balve Pranita N. Bhalerao Poonam, Bhamare Roshani , Patil Varsha , Satbhai Ankita (2022). Optimization of Reservoir Operation Policy Using Fuzzy Logic. Science, Technology and Development, 11(2), 194-198.
- Patil Vaishnavi V., Balve Pranita N., Nemade Pravin D., Kanitkar Sandeep V. (2022) Evapotranspiration Prediction in Fuzzy Environment, Journal of Engineering, Computing & Architecture, 12(10), 40-48.
- Thakare Amrapali and Balve Pranita N. (2022). Prediction of Road Project Performance using Artificial Neural Network, Compliance Engineering

Journal, 13(6).

- Somvanshi Anjali and Balve Pranita N. (2022). Productivity Improvement of Equipments and Workers in Construction Project, Journal of Engineering, Computing and Architecture, 12(7), 116-127.
- Thakare Amrapali and Balve Pranita N. (2022). Application of Artificial Neural Network in Construction Management, Dickensian Journal, 22(5), 1430-1436.
- Sanap Shubham R., Savkar Rakesh H., Sonar Khushali K. and Balve Pranita N. (2023). Water harvesting using fog water and rain water catcher, 7(6), 2023.
- Bidkar K. L. and Balve P. N. (2023). Prediction of tensile strength of remixed concrete, 16(3), 601-617.

6. Awards and Honors

- Awarded as a best paper entitled, “Optimal Reservoir Operation Policy using Fuzzy Linear Programming”, at International Conference on Innovating Engineering Technologies, 10th, June, 2016, Zurich, Switzerland.
- Won first prize in the “11th Annual Seminar Competition for UG and PG students” organized on 12-13th January 2013 at Government College of Engineering, Aurangabad organized by Marathwada Mathematics Society (MMS), Aurangabad.
- Won fourth prize in the Final Level MMS Seminar Competition in Mathematics organized jointly by Department of Mathematics & Statistics of Yashwant Mahavidyalaya, Nanded and MMS, Aurangabad on 24th January 2013.

7. Professional Experience

- **Administrative Roles:**
 1. Hostel warden
 2. Institute coordinator for Unnat Maharashtra Abhiyan

8. Supervision and Mentoring

- **Master's Supervision:**
 1. Amrapali Thakare: Prediction of project performance using artificial neural network model.
 2. Anjali Somvanshi: Productivity improvement of equipment and workers in construction project.

9. Professional Memberships

1. Indian Society for Hydraulics (ISH) : Lifetime membership
2. Indian Association of Hydrologist (IAH) : Lifetime membership
3. Institute of Engineers (India) : Associate Member
4. Indian Society of Technical Education (ISTE) : Lifetime membership
5. Association of Consulting Civil Engineering (INDIA) : Life Member

10. Miscellaneous

- **Seminar/ workshops/conferences/ camps organized:**
 1. One week online STTP on, "Hydrological Modelling, Climate Change and X SoftComputing Applications in Water Resources Engineering"
 2. One day workshop on Holistic Approach of Traffic Management and Tourism Development of Nashik City
 3. One week international faculty development program (FDP) on "Soft Computing Techniques and its Application in water resources engineering"
 4. ISTE Supported One week STTP on, "Soft Computing Techniques and Its Applications in Engineering"