

## Detailed Curriculum Vitae: Mrs. (Dr.) Pranita N. Balve

1. Name in full : Dr. Pranita Narayan Balve
2. Nationality : Indian
3. Email ID : [balvepranita21@rediffmail.com](mailto:balvepranita21@rediffmail.com),  
[balvepranita@gmail.com](mailto:balvepranita@gmail.com),
4. Languages known : English, Marathi, Hindi
5. Field of Specialization : Civil Engineering [Water Resources Engineering]
6. Publications :
- Total 16
- Conference 03
- Journal 13
- Scopus ID 57191057124
- ORCID No. : 0000-0003-3298-7607
- Google Scholar : H Index: 03
- : i10-Index: 00



### **ACADEMIC QUALIFICATION:**

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	31 <sup>st</sup> October, 2018	Awarded
ME-Civil Water Resource Engineering	Government College of Engg. Aurangabad	BAMU	85%	2013	First class with distinction
BE-Civil	K. K. Wagh College of Engineering, Nashik	Pune	67%	2011	First class with distinction
HSC	K.T.H.M College, Nashik (K.R.T.Arts, B.H.Commerce and A.M. Science College)	Pune	69.17%	2007	First Class
SSC	M.R.SARADA Kanya Vidya Mandir, Nasik	State	66.53%	2005	First Class

**EXPERIENCE:**

Name of Employer with address	Post Held	Period of Service	Nature of service	Subjects Taught
Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded	Assistant professor	September 27, 2023 to till date	UG & PG Teaching	.Theory of Structures-II .Strength of Materials .Water Conservation and Management .Fluid Mechanics .Hydraulic Engineering
MVP's, KBT COE, Nashik	Assistant professor	September 23, 2019 to September 26, 2023	UG & PG Teaching	.Surveying 7. Application of Statistical Methods in Construction Management Fluid Mechanics 9. Hydrology and Water Resource Engineering 0. Dams and Hydraulic Structures 11. Integrated Water Resources Planning and Management
Sandip Institute of Engineering and Management, Nashik	Assistant professor	December 26, 2014 to September 21, 2019	UG Teaching	.Fluid Mechanics-I 2. Engineering Mechanics 3.Hydrology and water Resources Engineering Fluid Mechanics-II .Dams and Hydraulics Structures
Civil Engineering Department, SVNIT, Surat	Fulltime Institute Research Scholar	July 22, 2013 to December 25, 2014	PhD, Research Scholar	1.Basic of Civil and Environmental Engineering 2.Surveying 3.Water Resources Engineering-I 4.Water Resources Engineering-II 5.Computational Techniques in Water Resources Engineering
Department of Engineering Sciences and Humanities, Sandip Institute of Technology and Research Centre,	Assistant professor	June, 2012	July, 2013	1.Basic of Civil and Environmental Engineering, 2.Engineering Mechanics

### **DETAILS OF PUBLICATIONS :**

1. 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.
2. 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, 29<sup>th</sup> March, 2014, Civil Engineering Department, SNPIT & R.C., Umarakh, Surat.
3. Balve, P. N. and Patel, J. N., 'Optimal reservoir operating policy in fuzzy environment', International Conference on Hydraulics, Water Resources & Environmental Engineering, 18-20<sup>th</sup> December, 2014, Maulana Azad National Institute of Technology, Bhopal India.
4. 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.
5. Patel, J. N. and Balve, P.N. "Evapotranspiration Estimation with Fuzzy Logic", International Conference on Innovating Engineering Technologies, 10<sup>th</sup>, 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]
6. Balve, P.N. and Patel, J.N., "Optimal Reservoir Operation Policy using Fuzzy Linear Programming", International Conference on Innovating Engineering Technologies, 10<sup>th</sup>, 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]
7. Balve, P. N. and Patel, J. N., 2016. "Prediction of evapotranspiration using fuzzy logic", Journal of Agrometeorology, Vol. 18, No. 2, pp.311-314.
8. 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.

9. 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.
10. Nemade, P. D., Patil, K. T., Balve, P. N. And Kadbhane, S. J. (2021). Treatment of Arsenic Contaminated Water by Electrocoagulation using Punched Iron Electrode. IRJET, 8(8), 1335-1341.
11. 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.
12. 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.
13. Thakare Amrapali and Balve Pranita N. (2022). Prediction of Road Project Performance using Artificial Neural Network, Compliance Engineering Journal, 13(6).
14. 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.
15. Thakare Amrapali and Balve Pranita N. (2022). Application of Artificial Neural Network in Construction Management, Dickensian Journal, 22(5), 1430-1436.
16. 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.
17. Bidkar K. L. and Balve P. N. (2023). Prediction of tensile strength of remixed concrete, 16(3), 601-617.
18. Ghadbale V., Gajbhiye K. and Balve P. Assessment of Water Distribution System for SGGSIET, Nanded Campus using EPANET 2.0, 29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering (HYDRO 2024) at CWPRS, Pune, 18-20 December, 2024

#### **Patent Awarded : 02**

1. Patent number: 2021104114 (Published)

Title of invention:

METHOD AND SYSTEM TO CURTAIL THE PARAMETERS OF DISTILLERY SPENT WASH

Contribution: Co-investigator

2. Application number : 202211022410 (Published)

Title of investigation: A SYSTEM AND METHOD FOR DIGITAL FORENSIC INVESTIGATION BASED ON AI AND BLOCKCHAIN

Contribution: Co-investigator

### **Honors and Awards:**

1. Awarded as a best paper entitled, “Optimal Reservoir Operation Policy using Fuzzy Linear Programming”, at International Conference on Innovating Engineering Technologies, 10<sup>th</sup>, June, 2016, Zurich, Switzerland.
2. 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.
3. 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.
4. Participated in Festival of Revolutionary Civil Engineers (F.O.R.C.E.), a National Level Symposium & has secured 2nd prize in “BOUYANCY”.

### **Membership in Professional Organizations:**

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

### **Computer Skills:**

1. AUTO CAD
2. Microsoft Office
3. MATLAB
4. CROPWAT
5. LINGO

### **Seminars /Workshops/Conference/Camps organized:**

1. One week online STTP on, "Hydrological Modelling, Climate Change and X Soft Computing 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” during March 12-16, 2024
5. CSIR HRDG Sponsored One-week workshop on “Hydrological Modelling, Climate Change Scenario” during March 18-22, 2025

### **Faculty development programs (STTP/workshops/QIP) attended:**

1. National workshop on “Advanced Soft Computing Techniques in Hydrology and Its Applications”, during November 27 to December 2, 2014 at NIH, Roorkee.

2. One week TEQIP-Short Term Training Program on 'Statistical Techniques for Data Analysis in Research (STEDAR-2014)' during June 9-13, 2014 at Government College of Engineering, Aurangabad.
3. Workshop on 'Research Methodology' during April 11-12, 2014 in BIT'S Pilani, Hyderabad.
4. One week Short Term Training Program on 'Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)' during 24-28, March, 2014 at SardarVallabhbhai National Institute of Technology, Surat.
5. Two days National Workshop on 'Impact of Climate Change on River Basin Management, ICCORIBAM-2013' during August 16-17, 2013 at Department of Civil Engineering, Government College of Engineering, Aurangabad.
6. One week TEQIP-Short Term Training Program on 'Soft Computing Tools and Its Application in Engineering' during June 3-7, 2013 at Department of Civil Engineering, Government College of Engineering, Aurangabad.
7. National conference on 'Sustainable Water Resource Planning, Management and Impact of Climate change during April 05-06, 2013 at BIT'S Pilani, Hyderabad.
8. National conference on 'Hydraulics, Water Resources Coastal and Environmental Engineering (HYDRO 2012)' during December 07-08, 2012 at IIT Bombay, Mumbai.
9. One week TEQIP-Short Term Training Program on 'Engineering Optimization and its Application' during June, 25-29, 2012 at Department of Civil Engineering, Government College of Engineering, Aurangabad.
10. One day workshop on 'Intellectual property and patent Lifecycle management' on February 18, 2012 at Department of Civil Engineering, Government College of Engineering, Aurangabad.
11. Two week self-Financed & TEQIP-II Supported STTP on, "Research Methodology for Engineering and Management, during 16-27 May, 2016 at Department of Civil Engineering,, SVNIT, Surat.
12. Two days finishing school on "Road Infrastructure: Planning, Design, Construction and Maintenance, during 15-16 April, 2016 under TEQIP-II at Department of Civil Engineering, SVNIT, Surat.
13. Two days National level workshop on "Fundamentals of Fluid Mechanics and Irrigation System" during 10th -11th April,2018 at Department of Civil Engineering, Sandip Institute of Technology & Research Center, Nashik.
14. One day workshop on "GRAM++ GIS", on 2nd February, 2019 at Department of Civil Engineering, N.D. M. V.P. S.' S, KBT College of Engineering, Nashik
15. AICTE sponsored online one week STTP on "Industrial & Municipal Solid Waste Management for Green India" from 20/7/2020 to 26/7/2020
16. Five Days Webinar Series on\_2020 on Civil Engineering Aspect from 12/5/2020 to 16/5/2020
17. Five days FDP on "Opportunities and Threads in Engineering at Present & Past Covid-19 Concept of Green Environment" from 13/5/2020 to 17/5/2020
18. SPPU Online Syllabus orientation workshop for S.E. Civil (2019 Pat.) from 22/6/2020 to 26/6/2020.
19. NPTEL Course "NBA Accreditation and Teaching-Learning in Engineering (NATE)" from 27/1/2020 to 17/4/2020.

20. Five days FDP on, “Innovative Teaching Pedagogy in the Technical Institutions” from 1/6/2020 to 5/6/2020.
21. STTP on “Innovation and Upgradation in Infrastructural Technology” from 27/5/2020 to 2/6/2020.
22. Five days STTP on “Advanced Technologies in Water Resources Management (ATWARM-2020)” from 23/11/2020 to 27/11/2020.
23. Four Days online FDP on “OBE-An Integrated Approach”, at Electronics and Telecommunication Engg. Department, MVPS’s, KBTCOE, Nashik during 11/12/2020 to 15/12/2020.
24. AICTE Sponsored Online STTP Series-I on, “Industrial and Municipal Solid Waste Management for Green India”, organised by Department of Civil Engineering, P.S.R.
25. Engineering College during 20-26 July 2020
26. Three days online workshop for Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus from 7/9/2021 to 9/9/2021
27. AICTE Approved One Week Short Term Training Program on "Data Analytics with Python" from 17/5/2021 to 21/5/2021.
28. One day workshop on Holistic Approach of Traffic Management and Tourism Development of Nashik City
29. One week international faculty development program (FDP) on “Soft Computing Techniques and its Application in water resources engineering”
30. One workshop on Urban Flood Modelling in a Changing Climate sponsored by ISRO Disaster Management Support Programme during June 06-12, 2024.
31. 3 Days face to face FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) at SGGSIET & T, Nanded from 8-10<sup>th</sup> August, 2024.
32. NPTEL-AICTE FDP on Rural Water Resources Management, 12 weeks Course.
33. AICTE-ATAL FDP on “Real Time Application of AI & ML in Disaster Management & Resilient Infrastructure” conducted in online mode by Bajaj Institute of Technology, Wardha from 17-22 February, 2025
34. Refresher Course on Climate Change, Hydro Meteorological Extremes and Emerging Solutions under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC organized by IIT Kharagpur from 17-29 July, 2025

I, hereby declare that all the information given above is true and correct as per best of my knowledge and belief.

Thanking you

Yours Sincerely,

Dr. Balve Pranita N.