

Dr. Pranita N. Balve,
Assistant Professor,
MVPS's, KBT College of Engineering,
Udoji Boarding Campus,
Gangapur road,
Nashik-422013



Research and Teaching Interest :

Water Resources Management, Hydrological Modelling, Soil and Water Conservation, Water Resources Engineering, Watershed Hydrology, Integrated Water Resources Management, Water Balance, Irrigation, Surface Hydrology, Watershed Management, Rainfall Runoff Modelling, Evapotranspiration, Irrigation Engineering, Hydrological Data Management, Water Resources System Analysis, Evaporation, Drip Irrigation, Rainwater Harvesting

Scopus ID:57191057124

Google Scholar: H Index: 02

ORCID: No:[0000-0003-3298-7607](https://orcid.org/0000-0003-3298-7607)

Publications: Total: 11
Journals:08

Conferences:03

Personal information :

Date of birth

21st October, 1989

Present address:

204, Samarth Park, Gulmohor Vihar Colony, Kale Nagar-3, Nashik

Email:

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+91 8390396757

Education Qualification:

Qualification	Institution	Board/University	Year of Passing	%	Class
Ph.D.	Sardar Vallbhbhai National Institute of Technology, Surat	Sardar Vallbhbhai National Institute of Technology, Surat	2018	-	-
M.E.	Government College of Engineering, Aurangabad	Babasaheb Ambedkar Marathwada University	2013	84.17	First Class with Distinction

B.E.	K. K. Wagh Institute Of Engineering Education And Research	Pune University	2011	67	First Class with Distinction
HSC	The K.R.T. Arts, B.H. Commerce & A.M. Science College, Nashik	State Board	2007	69.17	First Class

Patent Filed: 01

Consultancy project undertaken

1. Worked from January 2014 to December 2014, in association with Dr. J. N. Patel at SVNIT, Surat (PEDAGOGY Project).
2. Maharashtra Soil and Water Conservation Department (Cost : Rs.5000/-)
3. Maharashtra Soil and Water Conservation Department (Cost : Rs.40000/-)
4. Structural Audit of MHADA building, Nashik (Cost : Rs. 76399/-)
5. Structural Audit of "Takshasheela" 1900 sq.ft flat, Nashik (Cost : Rs. 5900/-)
6. Structural Audit of "Vijayanta" flat, Nashik (Cost : Rs. 5900/-)
7. Structural Audit of client "Umesh Kuwar" flat, Nashik (Cost : Rs. 5900/-)
8. Soil Moisture evaluation, PlanMark Consultants, Nashik (Cost : Rs. 4248/-)
9. Rock Core Compressive Density Test, PlanMark Consultants, Nashik (Cost : Rs. 2124/-)
10. Structural Audit of "Laxmi Apartment", Nashik (Cost : Rs. 5900/-)
11. Structural Audit of "Maratha Samaj Trust", Nashik (Cost : Rs. 10484/-)
12. Structural Audit of "Plot No. 04, on Sr. no.301/A/5 at Deolali Shivar, Tal & Dist. Nashik" (Cost : Rs.11668/-)
13. Structural Audit of "Shweta Heights" (Cost : Rs.26380/-)

Summary of Experience:

1. Assistant Professor, Civil Engineering department, MVP's, KBT COE, Nashik from 23rd September, 2019 to till date.
2. Assistant Professor, Civil Engineering department, Sandip Institute of Engineering and Management, Nashik from 26th December 2014 to 19th September 2019
3. Research Scholar, Civil Engineering department, SVNIT, Surat from 22nd July 2013 to 25th December 2014.
4. Assistant professor, Department of Engineering Sciences and Humanities, Sandip Institute of Technology and Research Centre from June 2012 to July 2013

Research and Development:

1. Developed Meteorology Laboratory with five equipment's, (Approximate Cost :Rs. 95000/-).

Honours and Awards:

1. 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.
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”.

Teaching Experience (Subject Thought) :

1. F.E. : Civil Engineering & Environmental Engineering, Engineering Mechanics
2. S.E. : Fluid Mechanics, Surveying
3. T.E. : Fluid Mechanics-II, Hydrology & Water Resources Engineering
4. B.E. : Dams & Hydraulic Structures, Hydropower Engineering
5. M.E. : Application of Statistical Methods in Construction Management

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"

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 Sardar Vallabhbhai 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, KBTCE, 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. Engineering College during 20-26 July 2020
25. Three days online workshop for Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus from 7/9/2021 to 9/9/2021
26. AICTE Approved One Week Short Term Training Program on "Data Analytics with Python" from 17/5/2021 to 21/5/2021.

Journal Publication list:

1. Balve, P. N. and Patel, J. N., 2018. “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.
2. Balve, P. N. and Patel, J. N., 2016. “Prediction of evapotranspiration using fuzzy logic”, *Journal of Agrometeorology*, Vol. 18, No. 2, pp.311-314.
3. Patel, J. N. and Balve, P.N., 2016. “Evapotranspiration Estimation with Fuzzy Logic”, *International Journal of Advances in Mechanical and Civil Engineering*, ISSN: 2394-2827 Volume-3, Issue-4, pp 73-76.
4. Balve, P.N. and Patel, J.N., 2016. “Optimal Reservoir Operation Policy using Fuzzy Linear Programming”, *International Journal of Advances in Mechanical and Civil Engineering*, ISSN: 2394-2827 Volume-3, Issue-4, August 2016. pp 77-80.
5. 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.
6. Balve, P. N., & Thakare, A. (2020). Advance Technique For Construction Of Road Using Soil Stabilizer Base Seal (Bs-100). *IJRAR-International Journal of Research and Analytical Reviews (IJRAR)*, 7(1), 943-946.
7. 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.
8. 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.

Conference Papers and Posters:

1. 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.

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, 29th March, 2014, Civil Engineering Department, SNPIT & R.C., Umarakh, Surat.
3. 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.

Curricular/Co-curricular/Extra-curricular activities (Such as Lecture Delivered)

1. Delivered an expert lecture on “Fuzzy Logic and its application to catchment yield” at Hydrology Project, MERI, Nashik on April 18, 2017.
2. Delivered an expert lectures on “Reservoir Operation Policy” at META, MERI, Nashik on 22/01/2020 & 03/02/2020.

Administrative Responsibilities:

3. Worked as Training & Placement Coordinator for department.
4. Worked as Alumni Coordinator for department
5. Worked as III Cell Coordinator
6. Class Coordinator
7. NBA Criteria-6 Coordinator
8. NAAC Criteria-7 department coordinator

Career Aspirations:

1. To published the research paper in reputed journals
2. To work on the research project of water resources system as well as consultancy
3. To organize the short term training programs for students and faculties to enhance research activities.
4. To involve in organization of national and international level conferences.
5. To involve actively in teaching learning process for allotted subject.
6. To maintain healthy environment for the progress of the department and institute.