

Prof. Patil Sarika Basgonda
 MTech(Water Resources Engineering)
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❖ Academic Qualification

Sr. No.	Degree	Name of the Institute/ College	Name of the University	Percentage	Year of passing	Class / Grade
1	MTech	SVNIT SURAT	SVNIT SURAT	8.25	2016	First Class with distinction
2	BE	PVPIT Budhgaon	Shivaji University	72.5	2013	
3	HSC	MGV Savalaj	State Board	72.1	2009	
4	SSC	MGV Savalaj	State Board	85.07	2007	

❖ Work Experience:

Sr. No.	Name of the Industry / Organization	Post held	Period	
			From	To
1	Sinhgad College of Engineering, Vadgaon(BK), Pune	Assistant Professor	2/06/21	31/05/22
2	Sinhgad College of Engineering, Vadgaon(BK), Pune	Assistant Professor	15/02/21	31/05/21
3	Sinhgad College of Engineering, Vadgaon(BK), Pune	Assistant Professor	3/8/18	31/5/19
4	JSPM Narhe Technical CampusPune	Assistant Professor	8/8/16	4/3/18
5	Mahalaxmi KoynaDam Site	Trainee	1/06/12	21/06/12
6	Prachi Construction	Trainee	10/06/12	30/06/12

Teaching Experience: 4 Years
 Industrial Experience: 2 Months
 Total Experience : 4.2yrs

❖ Details of research involvement

- No of students guided: UG: 6 groups

❖ Publications:

• National Conference:

Sr. No.	Author & Co-Author	Title of Paper	Location, Year
1	Sarika B Patil	Inflow forecasting for Sukhi reservoir using Artificial Neural Network	SCOE PUNE, 2019
2	Sarika B Patil Dr.S.M.Yadav	Storage capacity forecasting for Sukhi reservoir using Artificial Neural Network	SVNIT Surat, 2016

❖ Workshops/FDP (including NPTEL)/STTP attended

Sr. No.	Description	Name of the Industry /Organization	Period	
			From	To
1.	Webinar on "Analysis of Water Distribution Network using E-PANET 2.2 software"	PCCOE Pune	18/11/21	18/11/21
2.	Webinar on opportunities for civil engineer in water sector under "JAL JEEVAN MISSION"	SIT'S Narhe	08/09/2021	08/09/2021
3.	STTP on Hydrological Modelling, Climate change and soft computing applications in civil Engineering	KBTCOE, Nashik	23/08/21	27/08/21
4.	Workshop on Innovative Trends in Water Resources Engineering in Association with IWWA	RMDSSOE, Pune	09/08/21	10/08/21
5. 6.	Online workshop on Research Development and innovation ethics.	KBTCOE, Nashik	17/05/21	19/05/21
7.	Virtual technical tour of Rajashree cement works	SCOE, PUNE	19/06/21	19/06/21
8.	Expert session on ECOSYSTEM RESTORATION	IWWA	5/6/21	5/6/21
9.	FDP on Practicals in EE-I	SCOE, Pune	29/05/21	30/05/21
10.	Workshop on Microsoft Educator Tool	SCOE, Pune	14/12/18	14/12/18
11.	Effective Teaching Methodology in Fluid Mechanics-I	SCOE, Pune.	20/12/2018	21/12/2018
12.	Application of soft computing techniques in civil engineering	SVNIT Surat	15/10/15	16/10/15
13.	Earthquake resistant Design of Building: IS1893 Revision	SCOE, Pune	17/08/ 2018	17/08/ 2018
14.	IndiaNext Webinar Session 4	SCOE, Pune	19/08/2018	19/08/2018
15. 16.	Fundamentals of ADVANCED FLUID MECHANICS (FAFM2016)	SVNIT, Surat	4/6/ 2016	6/6/2016
17.	Induction Training Program	JSPMNTC	17/05/2017	19/05/2017
18.	Curriculum Design and Related Aspects of NBA	PVPIT Bavdhan, Pune	12/12/16	17/12/16

❖ **Special Achievement/Awards/Recognition, etc:**

Sr. No.	Award Title	Description	Awarded By	Date
1	Best Paper Award	Received in National Conference	RACE2016	6/3/16
2	Won 1st Prize	Technical Paper Presentation on “Ground water recharge techniques	Nirmiti , at PVPIT Budhgaon	2013
3	Won 1st Prize	Technical Paper Presentation on “Lake tapping process” in National Level Event DISCOVERY2K12	ADCTE Ashta	2012
4	Won 1st Prize	Technical Paper Presentation on “Lake tapping process” in National Level Event Incarno-2k13	GCOE Karad	2013

❖ **Special Tasks / Responsibilities handled:**

Sr. No.	Description	Post held	Organization
1	RnD	Committee member	SCOE Pune
2	PNS Committee	Committee member	SCOE Pune
3	Conference- PANCHTATVA	Core Committee Member	SCOE Pune
4	FM-I Faculty Workshop	Core Committee Member	SCOE Pune
5	NAAC Criteria-7	Departmental Coordinator	JSPM NTC
6	NAAC Criteria-2	Departmental Coordinator	JSPM NTC
7	R&D	Departmental Coordinator	JSPM NTC

❖ **Description of M.Tech. work:**

Title: INFLOW FORECASTING OF PANSHET AND UJJANI RESERVOIR USING TIME DELAY ARTIFICIAL NEURAL NETWORK AND MLR TECHNIQUES

Abstract: In this work, Artificial Neural Network (ANN) approach is used for reservoir daily inflow forecasting system. Different time delay models are developed using Cascade Feed forward Back propagation network, to demonstrate the applicability and effect of using Time Delay ANN approach at Panshet reservoir and Ujjani reservoir in Maharashtra, India. The main aim of that work was to see the significance of development and applicability of simple models, when sufficient data length is available. Out of 11 years of daily historical rainfall and reservoir inflow data, 8 years of data is used for building the model and 3 years of data is used for validating the model. Based on the observed daily rainfall and reservoir inflow, various types of time delay models are developed using available data series. Model performance was assessed using various performance criteria and it was found that as in the present case, of well correlated input data, all ANN models perform well due to availability of well sufficient dataset.

I hereby declare that the information given above is true.

Date: 11/01/2021

Place: Pune



Patil Sarika B