



Prof. PRERANA R. IKHAR

Assistant Professor, Civil Engineering Department

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EDUCATIONAL DETAILS

- 2017 : **M.E in Water Resource Engineering from Government College of Engineering in Dr. Babasaheb Ambedkar Marathwada University, 30/06/2017.**
- 2015 : **B.E in Civil Engineering from Prof. Ram Meghe Institute of Technology and Resarch in Sant Gadge Baba Amravati University, 27/08/2015.**

PROFESSIONAL EXPERIENCE

- ❖ **Assistant Professor, at Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule, from 11-06-2019 to till date.**
- ❖ **Assistant Professor, at Maharashtra Institute of Technology, Dhule from 07-08-2017 to 10-06-2019.**
- ❖ **Research Projects:**
 - "Application of soil and water assessment tool for optimal reservoir operation."

Team: - One

Description: - The reservoir is the ultimate source for the endowment of water for various purposes in nearby vicinity. To maintain the stability between reservoir capacity, its losses and fulfillment of the water demands, reservoir operation plays an important role. And optimization is the process to bring out the most efficient and reliable solution based upon the constraints applicable to any system. SWAT is a watershed modeling tool which can bridge the development in spatial technology and hydrology. Thus, the study is done.



❖ **Research Papers Presented / Published:**

Sr. No.	Details of Publication	National/International	Publisher, Vol, Indexing, impact factor	Author (s) / Editor (s)
1	Optimal reservoir operation using Soil and Water Assessment Tool and Genetic Algorithm, 2017.	International	Taylor & Francis, ISH Journal of Hydraulic engineering, Volume 24:2, 249-257, h-index:11, impact factor:1.04	P. R. Ikhar, D. G. Regulwar, R. U. Kamodkar
2	Rainwater harvesting - A Campus Study, 2016.	National	Proceeding of 3rd National Conference on Sustainable Water Resources Development and Management,	Abhijeet Keskar, Satish Taji, Rushikesh Ambhore, Sonali Potdar, Prerana Ikhar and Regulwar D.G.



❖ Workshop / Conferences / Seminars Attended

Sr. No.	Title	Details	Month & Year	Place
1	Effective Research Paper Writing	One day workshop	December 2019	SVKM's Institute of Technology, Dhule
2	One Day Workshop on R	One day workshop	November 2019	SVKM's Institute of Technology, Dhule
3	Teaching and learning in Engineering	4-weeks online course	February – March 2019	Indian Institute of Science, Bangalore
4	Great to Greatness- Knowing Yourself	One day FDP	February 2018	Maharashtra Institute of Technology, Aurangabad
5	Outcome Based Education	Two days workshop	December 2017	Maharashtra Institute of Technology, Aurangabad
6	Soft Computing Techniques in Engineering Applications	One week – STTP	February 2017	Government College of Engineering, Aurangabad
7	Engineering Optimization and its application	Two days workshop	January 2017	Government College of Engineering, Aurangabad
8	Intellectual Property and Patent Lifecycle Management	One day workshop	January 2017	Government College of Engineering, Aurangabad
9	Quantitative and Qualitative Assessment of Water Resources using SWAT	Two weeks GIAN course	December 2016	National Institute of Technology, Warangal
10	Quantum GIS and its application to Water Resources Engineering	One week – STTP	October 2016	Government College of Engineering, Aurangabad
11	Pipe Network Analysis	One day workshop	September 2016	Government College of Engineering, Aurangabad
12	Introduction to Geographic Information Systems	10 hour online course	September – October 2016	Indian Institute of Technology, Roorkee



Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule

13	3rd National Conference on Sustainable Water Resources Development and Management,	Conference	July 2016	Government College of Engineering, Aurangabad
14	LATEX for Project Seminar, Thesis Typesetting	One day workshop	March 2016	Dr. Babasaheb Ambedkar Marathwada University
15	Innovations, Inventions and Patents	One day workshop	February 2016	Government College of Engineering, Aurangabad
16	Hydrological Modeling using Open Source Geospatial Techniques	One week – STTP	October 2015	Government College of Engineering, Aurangabad
17	Entrepreneurship Development	One day workshop	September 2015	Government College of Engineering, Aurangabad

❖ Member of Professional Bodies:

Sr. No.	Name of Institution/ Society	Grade of Membership	Date of Election	Whether Still a member
1	Indian Water Resources Society, Roorkee	Life Member	19/12/2016	Yes
2	Indian Society for Technical Education, New Delhi	Life Member	Applied	No

❖ TECHNOLOGY PROFICIENCY

PROGRAMMING LANGUAGES : **C++, FORTRAN**
OFFICE TOOLS : **MS OFFICE**
DESIGN SOFTWARE : **AUTOCAD (2D)**
ANALYSIS SOFTWARE : **QGIS, SWAT, SWAT-CUP**

❖ AREA OF INTEREST

AREA OF INTEREST : **Fluid Mechanics, Surveying, Optimization, Geotechnical engineering, GIS, SWAT**