



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

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## Academics Details:

Qualification	Discipline and Year	Institution	Board / University
M.E.	Water Resource Engineering (2015-2017)	Government College of Engineering, Aurangabad	An Autonomous Institute of Govt. of Maharashtra
B.E.	Civil Engineering (2011-2015)	Prof. Ram Meghe Institute of Technology & Research, Badnera	Sant Gadge Baba Amravati University.
H.S.C.	General Science (2011)	Shri Shivaji Science College, Amravati.	Pune Board, Maharashtra
S.S.C	General (2009)	Hutatma Rashtriya Vidyalaya, Ashti	Pune Board, Maharashtra

## Dissertation Profile:

- **“Application of soil and water assessment tool for optimal reservoir operation.”** 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.

## Project Profile (B.E.):

- **“Compressive Strength of Concrete Containing Marble Waste as Coarse Aggregate at High Temperatures.”** India produces more than approximately 170 million cubic meters of concrete annually. Investment in construction sector is enormous. Rising cost of construction materials coupled with the paucity of aggregates is creating problems for the construction industry. On the other hand, disposal and/or utilization of industrial waste is a global issue. The aim of this project work is to study the comparison of performance of concrete prepared by using marble waste as coarse aggregates with conventional concrete, at elevated temperatures.

## Academic Seminars:

- Effect of marine salt on structures



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- GIS and its application
- Optimal operation of multipurpose reservoir

## Publications:

- **“Rainwater harvesting – A Campus Study,”** Proceeding of 3<sup>rd</sup> National Conference on Sustainable Water Resources Development and Management, 2016
- **“Optimal reservoir operation using Soil and Water Assessment Tool and Genetic Algorithm”**, 2017, Taylor & Francis, ISH Journal of Hydraulic engineering, Volume 24:2, 249-257, doi. 10.1080/09715010.2017.1417754.

## Computer Skills:

- Certified course in QSWAT and SWATCUP, NIT Warangal
- Certified course in QGIS, GEC Aurangabad
- Knowledge of FORTRAN, C++ and AUTOCAD (2D)
- Basics of MS Office

## Workshop/ Short Term Training:

Title	Details	Month & Year	Place
Teaching and learning in Engineering	4-weeks online course	February – March 2019	Indian Institute of Science, Bangalore
Great to Greatness-Knowing Yourself	One day FDP	February 2018	Maharashtra Institute of Technology, Aurangabad
Outcome Based Education	Two days workshop	December 2017	Maharashtra Institute of Technology, Aurangabad
Soft Computing Techniques in Engineering Applications	One week – STTP	February 2017	Government College of Engineering, Aurangabad
Engineering Optimization and its application	Two days workshop	January 2017	Government College of Engineering, Aurangabad
Intellectual Property and Patent Lifecycle Management	One day workshop	January 2017	Government College of Engineering, Aurangabad
Quantitative and Qualitative Assessment of Water Resources using SWAT	Two weeks GIAN course	December 2016	National Institute of Technology, Warangal
Quantum GIS and its application to Water Resources Engineering	One week – STTP	October 2016	Government College of Engineering, Aurangabad
Pipe Network Analysis	One day workshop	September 2016	Government College of Engineering, Aurangabad



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Introduction to Geographic Information Systems	10 hour online course	September – October 2016	Indian Institute of Technology, Roorkee
LATEX for Project Seminar, Thesis Typesetting	One day workshop	March 2016	Dr. Babasaheb Ambedkar Marathwada University
Innovations, Inventions and Patents	One day workshop	February 2016	Government College of Engineering, Aurangabad
Hydrological Modeling using Open Source Geospatial Techniques	One week – STTP	October 2015	Government College of Engineering, Aurangabad
Entrepreneurship Development	One day workshop	September 2015	Government College of Engineering, Aurangabad

### Experience:

- Presently working as Assistant Professor at S.V.K.M.'s Institute of Technology, Dhule from 10/06/2019 to till date.
- Worked as Assistant Professor at Maharashtra Institute of Technology, Aurangabad from 07/08/2017 to 08/06/2019
- Also had responsibility of Civil Engineering Student Association Faculty in Charge and Virtual Lab Coordinator at MIT, Aurangabad.
- Six months experience as visiting lecturer in Government College of Engineering, Aurangabad.

### Extra-curricular Activities:

- Successfully coordinated in various events, workshops, STTPs.
- Worked as Observer for NTA NEET 2019.
- Life member of Indian Water Resources Society, Roorkee.
- Member of Deesha Education Foundation.
- Worked in core team of 'Roshni Zindagi Mein', promotion of eye donation awareness.

### Strength:

- Sincerity and regularity in work
- Eminent organization skill
- Excellent communication skills in written and verbal both
- Excellent presentation skill

### Personal Profile:

DOB 24 December 1993  
Gender Female  
Nationality Indian  
Marital Status Married  
Domicile Maharashtra State  
Category OBC  
Language known English, Hindi, Marathi  
Hobbies Cooking, listening music

I hereby declare that the particulars of information and facts stated here are true and complete to the best of my knowledge and belief.



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

Sincerely,  
(Prerana R. Ikhar)