

### Faculty Profile

<b>Name</b>	Ms. Snehal Raghunathrao Deshmukh					
<b>Department</b>	Civil Engineering					
<b>Designation</b>	Assistant Professor					
<b>Area of Specializations</b>	Hydraulic structures, Climate change, Water Management					
<b>Date of Joining the Institute</b>	25/08/2015					
<b>Contact Number</b>	9767096675					
<b>Email Id</b>	<a href="mailto:snehal.deshmukh@vpkbiet.org">snehal.deshmukh@vpkbiet.org</a>					
<b>Qualifications with class/grade</b>	B.E. (Civil Engineering – Pune University- 66.13%) - 2012 M.Tech. (Water Management - 7.5 CGPA) - 2015 PhD. (Ocean Engineering BRAC's VIIT, Kondwa Pune) – (Pursuing)					
<b>Total Experience</b>	Teaching	10 Years	Industry	-	Research	--
<b>Journal papers (Reputed Journals, Scopus and SCI only)</b>	National	01	International	1		
<b>Paper Presented in Conferences /National /International</b>	National	0	International	0		
<b>No. of FDP/Workshops/STTPs attended</b>	25					
<b>Books Published/IPRs/Patents</b>	01					
<b>No. of Projects Guided</b>	UG	08	PG	0	PhD	0
<b>Professional Memberships</b>	<ul style="list-style-type: none"> <li>Life member of 'Indian Society of Technical Education.</li> <li>Life Member of 'International Association of Engineers.</li> </ul>					
<b>Consultancy Activities</b>	<ul style="list-style-type: none"> <li>1. Consultancy Work under Geotechnical Engineering and Environmental Engineering such as</li> <li>I. Determined maximum dry density of soil from Bharat Forge Pvt Ltd</li> <li>II. Determined properties of soil from sites from Baramati.</li> <li>III. Tests (TDS, EC, Turbidity, Chlorides, BOD etc conducted to get quality of water and Waste water)</li> <li>IV. A Government project on "Convert Existing Open channel to Pipe Distribution Network" for NEERA Canal.</li> <li>V. Standard Penetration Test (SPT) on site near Dound, Maharashtra</li> </ul>					
<b>No. of special lecture/invited talk/conference session chair</b>	<ul style="list-style-type: none"> <li>03</li> </ul>					
<b>View Google Scholar, Research Gate, SCOPUS &amp; ORCID Profile</b>	<ul style="list-style-type: none"> <li>Google Scholar:</li> </ul>					



## **Publications Journal Publications**

1. Published a paper on, "Assessment of surface water quality of Nanded District" in international journal for research and development in technology, ISSN NO: 2349-3585.
2. Published a paper on Detection of Silver Ion Percolation Through Integrated Construction Wetland and Sand Filters in International Journal of Science and Technology & Engineering Vol 2, Issue 08, Feb 2016 ISSN:2349-784X

## **Workshop/STTP/FDP Attended**

1. 1 day workshop on 27-Jun-20 on Virtual lab outreach workshop organized by PVGCOE&T Pune
2. Attended 3 days workshop on Implementation And Execution of Third Year Civil Engineering 2019 Pattern Syllabus on 13th Jan 2022 to 15th Jan 2022 conducted by Anantrao Pawar College of Engineering & Research, Pune.
3. Attended training on 'Energy literacy training', on 28th Dec. 2022. conducted by Energy swaraj foundation.
4. Attended two days Online Training Course on "Physical & Mathematical Modelling of Reservoir and Appurtenant Structures" held by CWPRS during 6-7 July 2021.
5. Attended two Days Online Training Course on "Evolving the Hydraulic Design of Reservoir and Appurtenant Structures using Physical and Numerical Modelling" conducted on 12-13 January, 2021 by CWPRS, Pune.
6. Attended two Days Training Course on "River rejuvenation, Training and Management" conducted on 07-08 February 2019, 2021 by CWPRS, Pune .
7. Attended one week faculty development program on "Advances in water engineering" organized by S.G.G.S. IE & T Nanded from 11th March to 15th March 2019 on Workshop on "24x7 metered water supply: feasibility and raising finance" at S.G.G.S.IE & T, Nanded.
8. Attended Short term training course on "Emerging Frontiers in Civil Engineering" at S.G.G.S.Nanded.
9. National Level Seminar on 'Water Conservation and Rain water harvesting Techniques' at IIT Bombay.
10. Workshop on "Pipe Distribution Network in Irrigation Projects" by Pune Irrigation Circle, Pune.

## **Workshop/STTP/FDP organized**

- Successfully organized a SPPU Sponsored National Level Workshop on **"Water Conservation: It's About Today and Tomorrow"** on dated 13-March 2023.
- Successfully organized an Institute Sponsored seminar on **"Intellectual Property Rights, Entrepreneurship and Higher Education in Europe"** on dated 1-March 2019.

## **Achievements/Recognition**

- 1. Successfully qualified Mumbai University PhD Entrance Test 2019
- 2. Successfully qualified Shivaji University PhD Entrance Test 2020
- 3. Successfully qualified SPPU PhD Entrance Test 2021
- 4. Successfully qualified SPPU PhD Entrance Test 2021
- 5. Successfully qualified COEP Autonomous PhD Entrance Test 2021
- 6. Successfully qualified VIIT Autonomous PhD Entrance Test 2021

## **MOOC/NPTEL**

1. Successfully completed NPTEL course on "Geology and Soil Mechanics" with Elite Certification.
2. Successfully completed NPTEL course on "Remote Sensing and GIS" with Elite

- Certification.
3. Successfully completed NPTEL course on “Introduction to Research” with Elite Certification.
4. Successfully completed NPTEL course on “Better Spoken English” with Elite Certification.

### **Books Published/IPRs/Patents**

1. A book on "Surface water quality assessment of Godavari River by WQI and Arc-GIS" has been published in Lambert Academic Publication (LAP), Germany. (ISBN: 978-620-2-52036-2)

### **Vision Statement**

#### **Short Term**

- a) **Teaching**
- Short term teaching goal is to explore students with recent updates on technology and research.
  - More emphasis is given on practical approach and latest research rather than traditional methodology.
  - To use new teaching techniques to achieve Outcome Based Education (OBE) system.
- b) **Research**
- Publish minimum two research paper per year which comes under Scopus/SCI/web of science based on own research work.
  - Attend and organize different seminars/guest lectures/workshop to update with current technologies.

#### **Long Term**

- a) **Teaching**
- To develop new course and labs
- b) **Research**
- Submit the research proposal to different funding agencies to attract funding in the institute.
  - Work on all emerging areas, portfolios which help in improving the NAAC/NBA/NIRF/ARRIA ranking of the institute.
  - Guide UG/PG/Ph.D. students.
  - To develop new design guidelines for analysis and design of steel beams with web openings.

### **Future Plan**

- To get accreditation from National Assessment and Accreditation Council (NAAC) with highest grade.
- To start Research Center at Civil Engineering Department.
- To work for getting the Autonomous status of the Institution.
- To work for getting the National Board Accreditation (NBA) of Civil Engineering Department.
- To work for getting good rank of Institution in National Institutional Ranking Framework (NIRF).