

Civil Engineering Department

PhD Completed between 2011-2017

S N	Supervisor	Year	Student Name	Thesis Title	Co-Supervisor
1	A D Ghare	2014-15	Avinash M Badar	Estimation of Discharge through Trapezoidal Agricultural Canal using Simple Cylindrical Flume	
2	A D Ghare	2015-16	Nitin N Sontake	Sizing of Break Pressure Tanks for Pumping Mains	
3	A D Ghare	2016-17	Amol Suryakant Pote	Evaluation of Downstream Scouring with Special Reference to Labyrinth Weirs	
4	A D Ghare	2016-17	Madhuri S Bhagat	Development of Flood Risk Management System Using Hybrid Assessment Approach	R V Ralegaonkar
5	A D Vasudeo	2015-16	Balbir Singh J Ruprai	Dam Section Optimization using Monte Carlo Simulation and Genetic Algorithm	
6	A D Vasudeo	2016-17	Shrikant Arunrao Tekade	Supercritical Flow Measurement by Using Cutthroat Flume	
7	A R Tembhurkar	2011	Arti D Patil		
8	A R Tembhurkar	2014-15	Kalpana S Bhole	Development of System for Transformation of Intermittent Water Supply to Continuous Water Supply	
9	A R Tembhurkar	2014-15	Idris Ahmed Abdul Hameed	Critical Appraisal of Noise Pollution and its Abatement in Sensitive Areas of Nagpur City	
10	A R Tembhurkar	2015-16	Vitthal D Salkar	Design and Development of Efficient Up-Flow Sand Filter for Water Treatment	
11	A R Tembhurkar	2016-17	Radhika P Deshpande	Optimal Routing for Biomedical Waste Collection	
12	A R Tembhurkar	2016-17	Ashish Laxmanrao Nashine	Kinetic Studies for Adsorption of Arsenic Removal from Water by Natural Adsorbents	
13	A R Tembhurkar	2016-17	Isha P Khedikar	Feasibility Studies on Solar Disinfection (SODIS) of Grey Wastewater	
14	D H Lataye	2016-17	Ramakant Surendra Ingole	Adsorptive Removal of Phenol From Aqueous Solution Using Low Cost Adsorbents	
15	D H Lataye	2016-17	Prashant T Dhorabe	Adsorption of 4-Nitrophenol from Aqueous Solution by using Low Cost Adsorbents	

16	Mrs. M V Latkar	2013-14	Chandra Sabnani	Investigating the Prevalence, Relevance and Appropriateness of Bamboo Technology for Housing in India	Dr. Utpal Sharma
17	P D Porey	2011	Balchandra V Khode		A R Tembhurkar
18	R V Ralegaonkar	2014-15	Vidya V Ghuge	Relationship between Urban outdoor Spaces and Thermal Comfort	DR. Alka Bharat
19	R V Ralegaonkar	2014-15	Sanjay P Raut	Development of Sustainable Construction Material from Industrial Waste	S A Mandavgane
20	R V Ralegaonkar	2014-15	Mangesh V Madhurkar	Development of Sustainable Construction Material from Agro Waste	S A Mandavgane
21	R V Ralegaonkar	2014-15	Vaidehi A Dakwale	Design of Carbon Minus Buildings using Resource Conservation Approach	
22	R V Ralegaonkar	2015-16	Vishakha Sakhare	Development of Strategy for Controlling Indoor Temperature of Slum Dwellings	
23	R V Ralegaonkar	2016-17	Rijuta Sandeep Bapat	Integration of Sustainable Technologies in Residential Buildings for Natural Resources Conservation	V A Mhaisalkar
24	Rajesh Gupta	2012-13	Shilpa R Dongre	Reliability Based Design of Water Distribution Networks considering Fuzzy Parameters	
25	Rajesh Gupta	2014-15	Ritesh Vijay	Development of GIS based noise Simulation Software for Urban Environment	T. Chakraborty
26	Rajesh Gupta	2016-17	Shweta Sanjay Rathi	Optimal Sensor Locations in Water Distribution Network Using Genetic Algorithm for Regular Water Quality Monitoring and Contamination Detection Including Application to Pressure Deficient Networks	
27	Rajesh Gupta	2016-17	Abdy Sayyed Mohd Abbas Haider	Study of Node Flow Analysis for Improved Design of Water Distribution Networks Using Genetic Algorithm	
28	V A Mhaisalkar	2011	Padma Rao		
29	V A Mhaisalkar	2011	Subhash Andey		

30	V A Mhaisalkar	2012-13	Avinash N Shrikhande	Studies on Treatment of Waste Water using Constructed Wetlands for small Communities	
31	V A Mhaisalkar	2012-13	Rameshchandra R Gawalpanchi	Studies on Treatment of Municipal Solid Waste Land Fill Leachate	
32	V A Mhaisalkar	2013-14	Sudhir V Ambekar	Evaluation of performance of Microbial Fuel Cell for Treatment of Organic Waste and Electricity Harvesting	M M Ghangrekar
33	V A Mhaisalkar	2014-15	Sanjaykumar Chaudhary	Studies on Remediation of Soils Contaminated with Hazardous Waste	A N Vaidya
34	V S Landge	2015-16	Sudhanwa A Shingarey	Use of Paddy Straw Geotextile to reinforce Black Cotton Sub-Grade for Low Volume Unpaved Roads	A S Nene
35	V S Landge	2015-16	Vivek Hokam	Development of Pavement Management System For Industrial Areas in Vidarbha	
36	Y B Katpatal	2011	A D Vasudeo		R N Ingle
37	Y B Katpatal	2011	Sanjay Patil		
38	Y B Katpatal	2011	Varsha Mane		
39	Y B Katpatal	2015-16	Rajashree V Bothale	Impact of Climate Variability on the Response of Hydrologic Unit using Satellite Remote Sensing and Geospatial Data	
40	Y B Katpatal	2016-17	Tauseef Ahmad Ansari	Groundwater Modeling in Urban Areas for Recharge Characterisation Using Geoinformatics Approach	A D Vasudeo

PhD Ongoing

Sr No	Student Name	Supervisor
1	PARIMAL ARUN GODSE (Submitted)	Submitted
2	ARPAN ARUNRAO DESHMUKH	A D Vasudeo
3	AASHISH ASHWINKUMAR MEHTA	Anjan Patel
4	TRIPTI BALRAM GUPTA	H Lataye
5	BHATKAR TEJAS PRAKASH	A Mandal
6	PRACHI VIKAS MOHARIR	A R Tembhurkar
7	CHANDAN KUMAR SINGH	Y B Katpatal
8	SAHAJPREET KAUR GAREWAL	A D Vasudeo
9	DHANANJAY K SINGH	A Mandal
10	RITESH SHANKARRAO INGALE	Patel + Mandal
11	SHEKHAR SAXENA	A R Tembhurkar
12	RISHMA C	Y B Katpatal
13	SHASHI	R V Ralegaonkar
14	UNNATI AGRAWAL	Swapnil Wanjari
15	B SUDHEER KUMAR REDDY	Swapnil Wanjari
16	AJU MATHEW GEORGE	A R Tembhurkar
17	ANUJA UTTAMRAO CHARPE	M V Latkar
18	VARTIKA PALIWAL	Ghare + Mirajkar
19	ANANT LAL MURMU	Anjan Patel
20	ROSHAN APPA	V A Mhaisalkar
21	ASHWINI RAMBHAU TENPE	Anjan Patel
22	SIVA RAM KARUMANCHI	A Mandal
23	PREETI GAJGHATE	A B Mirajkar
24	PRERNA PANDEY	Shipla Dongre & R Gupta
25	SARANYA C NAIR	A B Mirajkar
26	TIDKE ANIKET RAJKUMAR	S Adhikary
27	GAVALI HINDAVI RAMCHANDRA	R V Ralegaonkar
28	KATARE VASUDHA DATTATRAYA	M Madurwar
29	KEJKAR RUPALI BABRUVAN	Swapnil Wanjari
30	BAHUGUNA DALAI	V S Landge
31	NANDYALA SIVA KUMAR	A Mandal
32	MAHENDRA SHARADCHANDRA MULKALWAR	V A Mhaisalkar
33	GRANDHI SAI SOWMYA	A B Mirajkar

Sponsored R & D Projects Completed

Sponsored Research Projects <u>approved</u> to VNIT							
	Project Name	Co-ordinator	Dept.	Sponsoring Agency	Project Value	Sanction date	Duration (years)
1	Site classification scheme and amplification factors for Indian seismic design code	Shraboni Adhikary	Civil	DST (ECR)	35,82,666	10-01-2017	3years
2	Multi-purpose multi reservoir operation and planning using JAYA algorithm and equitable water distribution within the Upper Godavari Basin	A B Mirajkar	Civil	DST (ECR)	49,46,708	10-01-2017	3 years

Sponsored R & D Projects Ongoing

Sr No.	F Y	Name of Faculty (Principal Investigator)	Name of the Funding agency	Title of the Project	Sanctioned Order no. & Date	Total Amt of Project (In Lakhs Rs.)	Amt received in 2016-17(in words)
1	2016-17	Co-PI , Rajesh Gupta, PI-External	DST	Predictive Approach for Early Detection of Contamination Zone in an Intermittent and Continuous Water Supply System and its health impact	Department of Science and Technology, DST/TM/WTI/2 K16/171(G) 30/12/2016	7.76	Seven lakhs and seventy six thousand only
2	2016-17	Dr. S.P.Wanjari	NTPC Raipur	Manufacture of Flyash sand	MOU with NTPC 6/15/2016	40	Twenty five lakhs only
3	2016-17		NTPC Raipur	Additional fund for flyash sand	VNIT/SPW/2016 -17 3/2/2017	8	Eight lakhs only
4	2017	Ashwini B Mirajkar	SERB(ECR)	Multi-purpose multi-reservoir operation and planning using Jaya Algorithm for equitable water distribution within upper Godavari Basin.	ECR/2016/00140 9 6/3/2017	1.07	One lakh seven thousand
5	2017	Shrabony Adhikary	SERB(ECR)	Site classification scheme and amplification factors for Indian seismic design code	ECR/2016/00131 6 1/3/2017	15	Fifteen lakh
6	2016-17	V A Mhaisalkar	SAMP MPCB	Air Quality Monitoring	NA	7	Seven Lakhs only
7	2016-17	V A Mhaisalkar	NAMP MPCB	Air Quality Monitoring	4/1/2016	12	Twelve Lakhs only
8	2016-17	APRB	V.S.LANDGE	Pavement Design	NA	9	Nine Lakhs only
9	2016-2017	Abhay Tawalare	Chief Conservator of Forest, Govt. of Maharashtra	Development of low cost, durable and easy to construct compound wall	D-27/1/C.R.31(16-17)/428 9/12/2016	5.64	Five lakh and sixty four thousand

Research Publications as under SCOPUS

- [Dr. A B Mirajkar](#)
- [Dr. A C Mandal](#)
- [Dr. A D Ghare](#)
- [Dr. A D Vasudeo](#)
- [Dr. A R Tembhurkar](#)
- [Dr. Abhay Tawalare](#)
- [Dr. Anjan Patel](#)
- [Dr. D H Lataye](#)
- [Dr. Mrs. M V Latkar](#)
- [Dr. R V Ralegaonkar](#)
- [Dr. Rajesh Gupta](#)
- [Dr. S P Wanjari](#)
- [Dr. Ms. Shilpa Dongre](#)
- [Dr. V A Mhaisalkar](#)
- [Dr. V S Landge](#)
- [Dr. Y B Katpatal](#)