



Ms. Rajbansi Shashank Kognole

Assistant Professor, Department of Civil Engineering



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OVERVIEW:

Qualifications: DCE, BE (Civil), MTech (Hydraulics), Ph D (Pursuing)
Experience: Teaching -13 years Tech Assist – 1 years
Date of Joining STES: 13/09/2024
Phone No: 9850073011
Life Membership: Indian Water Resources Society (IWRS) -LM-2017-7757

AREA OF EXPERTISE /RESEARCH INTERESTS:

Hydraulics, Hydrology and Water Resource Engineering, Fluid Mechanics

NUMBER OF STUDENTS GUIDED:

PG – 04, UG – 14 Groups

RESEARCH PULICATIONS:

Publication Summary:

Scopus/ SCI- 1
International / National Journal: 16
Conference: 04
h-index : 01
i10 index : 01

<https://scholar.google.com/citations?hl=en&authuser=2&user=q4XZIH4AAAAJ>

NOTABLE GUIDED PROJECTS:

UG Projects:

- The Project work entitled “Design of electrical analogy apparatus for drawing flow net and calculating discharge, velocity and uplift pressure for different cases” was an inhouse development project.
- The project titled “Calibration of Weir for measurement of Discharge”, was presented in Poster Competition held in MIT Techno Genesis by MIT College of Engineering, Pune, and stood 1st rank in 2016.
- The project titled “Determination of Infiltration Capacity of Soil by Using Double Ring Infiltrometer” developed an Infiltrometer. Double Ring Infiltrometer is equipment used conduct the field test to determine the rate of infiltration. They have studies in different places of college, (Narhe campus) and showed how the rate of infiltration various from place to place depends upon the types soil and soil properties.

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- a. Conducted a session of two hours for SE Civil Students for “Fluid Mechanics-I” on “**Turbulent flow** “in Trinity College of Engineering and Research, Pune on 2nd April 2018.
- b. Conducted 4 hours Guest Lecture of “Fluid Mechanics-II” for TE Civil Students on “**Flow around Submerged Bodies**” at TSSM’s PVPIT, Bavdhan, Pune on 28/07/2016.
- c. Conducted a 20 hours Lecture Series of “**Hydrology and Water Resource Engineering**” for TE Civil Students for outline of complete syllabus at Universal College of Engineering Pune.
- d. Conducted a four hours session on “**Boundary Layer Theory, Laminar Flow and Flow through Pipes**” of Fluid Mechanics subject for SE Mechanical students in Dept. of Mechanical Engineering BSIOTR, Wagholi, Pune on 9th Aug 2012.
- e. Conducted a two-day workshop session for TE Civil students for “**Practical’s in Fluid Mechanics –II - Open Channel Flow and Fluid Machine**” in Shree Chatrapati Shivaji Raje College of Engineering, Pune in Sept 2014.
- f. Conducted a session of two hours of Hydrology and water Resource Engineering for TE Civil Students on “**Hydrologic Engineering Centre’s - River Analysis System (HEC-RAS)**” in JSPM Narhe Technical Campus on 26th Sept 2014.
- g. Conducted a session of two hours of Hydrology and water Resource Engineering for TE Civil Students on “**Hydrologic Engineering Centre’s - River Analysis System (HEC-RAS)**” in Trinity College of Engineering and Research, Pune on 24th Sept 2015.
- h. Conducted a 5 hours session for 1st year Engineering students on “**Basic Civil and Environmental Engineering**” in JSPM’s BSIOTR, Wagholi Pune on 19th Nov 2011 and 23rd Nov 2011.
- i. Conducted a 2.5 hours session for 1st year Engineering students on “**Engineering Mechanics**” in JSPM’s BSIOTR, Wagholi Pune on 17th March 2012.
- j. Conducted a Virtual Class Room lecture session for 2 hours for SE Civil students on “**Fluid Mechanics -I -Boundary Layer Theory**” in JSPM Corporate Office.
- k. Conducted a Virtual Class Room lecture session for 2 hours for SE Civil students on “**Fluid Mechanics –II – Gradually Varied Flow**” in JSPM Corporate Office.
- l. Conducted a Virtual Class Room lecture session for 2 hours for SE Civil students on “**Basic Civil and Environmental engineering - Building planning**” in JSPM Corporate Office.
- m. Invited as **Judge** in Civil Engineering, *National Level Paper Presentation* for Technical event “Cynosure 2012” on 30th and 31st Jan 2010.

SUBJECTS TAUGHT:

- Fluid Mechanics I
- Fluid Mechanics II
- Dams and Hydraulic Structures
- Hydropower Engineering
- Hydrology and Water Resource Engineering

FDP/STTP/SDP/WORKSHOPS ORGANIZED:

- Organizing member and Attendee of 2nd International Conference on “Recent Innovations in Engineering and Technology” at TSSM’s Bhivarabai Sawant College of Engineering and Research, Narhe, Pune, Maharashtra, India, on 30 January 2020
- Organizing member and Attendee of International Conference on “Recent Innovations in Engineering and Technology-19” (ICRIET-19), at TSSM’s Bhivarabai Sawant College of Engineering & Research, Pune on February 15-16, 2019.
- Organizing member and Attendee of One Week Faculty Development Program (FDP) on “**Outcome Based Education**” from 25th to 30th April 2016 at TSSM’s BSCOER, Narhe, Pune.
- Organizing member and Attendee of Two-Day National Workshop on "**Experiment Explore & Enhance (EEE) in Practical Oriented Structural Design RCC**" at TSSM’s BSCOER, Narhe on 22nd and 23rd December 2015.
- Organizing member and Attendee of Two Days National level Workshop on "**Experiment Explore & Enhance 2014 Geotechnical Engineering Laboratory Experiments**" on 11th and 12th June 2014 at TSSM’s BSCOER, Narhe.

CONFERENCES ATTENDED:

- Attended and Published paper titled "**Experimental evaluation and assessment of building water supply system to harness electric power**" for S-TEAM 2024, 5th SCMHRD-TECHNOLOGY, ECONOMICS, ANALYTICS AND MANAGEMENT CONFERENCE 2024 on 29th Sept 2024
- Attended and Published paper titled “**Women participation in Watershed Development**” at National Conference on Advances in Engineering, Technology & Management – “ZENITH – 2011” to be held on 14-15th Oct 2011.

FDP/STTP/SDP ATTENDED:

- FDP -09
- NPTEL Course -02
- ATAL FDP - 03
- Workshop – 04
- CWPRS Trainings -02
- Webinars – 20+

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Department Level (Civil Engineering)

- Teacher Guardian
- Seminar Guide for TE
- Project Guide for BE

DECLARATION:

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date:12 /12 / 2024

Signature