



Dr. Dattatray Kisan Rajmane

Associate Professor, Department of Civil Engineering

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OVERVIEW:

Qualifications: Ph.D.(Civil Engineering), ME (Hydraulics), BE (Civil-Water Management)

Experience: Teaching -28 years Industrial – 1.5 years

Date of Joining STES: 02/12/1996

Skills and Proficiencies: Rainfall- Runoff modelling, Machine Learning,

AREA OF EXPERTISE /RESEARCH INTERESTS:

- Hydraulics, Water Resources Engineering

NUMBER OF STUDENTS GUIDED:

- PG – 05 , UG – 10+ Groups

RESEARCH PULICATIONS:

Publication Summary:

Scopus/ SCI: 02

International Journal: 06

Conference : 02

h-index : 02

<https://scholar.google.com/citations?user=DksDsPgAAAAJ>

FUNDED PROJECT:

- Principal Investigator for funding under MODROB Scheme for the modernization of Survey Lab.

RESEARCH WORK:

Ph.d. Research Work:

- The main objective of this study is to evaluate the impact of climate change on inflow of the Ujjani dam reservoir. Through this work, the following objectives has been achieved:
 1. To develop the downscaling models at the basin level using National Centre for Environmental Protection (NCEP) Data and observed hydro-metrological data.
 2. To generate future temperature and precipitation at the basin level using the Global Climate Model (GCM) Data.

3. To predict the inflow to the Ujjani reservoir using Multiple Linear Regression (MLR), Artificial Neural Network (ANN) and Wavelet Neural Network (WNN) techniques.

Considering the rainfall events occurred in various parts of Maharashtra like Mumbai, Sangli and Kolhapur, research work may be useful to study the impact of climate change at micro level.

SUBJECTS TAUGHT:

- Fluid Mechanics
- Hydrology and Water Resources Engineering
- Dams and Hydraulic structures
- Irrigation and Drainage
- Integrated Water Resources Engineering
- Surveying lab

WORKSHOPS/ CONFERENCES/EVENTS ORGANIZED AS A COORDINATOR:

- Departmental coordinator for “International Conference on Sustainable Development” held at Sinhgad college of Engineering, Pune 14-15 Feb. 2019
- Departmental Coordinator for TECHTONIC 2024

CONFERENCES ATTENDED:

- International Conference on “Technological Advances in Climate Smart Agriculture and Sustainability” held at shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded 16-18 Jan. 2017.
- “International Conference on Sustainable Development” held at Sinhgad college of Engineering, Pune 14-15 Feb. 2019

FDP/STTP/SDP ATTENDED:

- TEQIP/AICTE/ISTE/IETE sponsored FDP - 10
- NPTEL -01
- CWPRS sponsored workshop - 02
- NWA sponsored workshop – 01
- Others -9

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Institute Level (SCOE)

- Worked as a Building Committee Member.
- Worked as a INSEM CAP coordinator for SEM I of AY 2023-24.
- Worked as a Coordinator ME-FC

Department Level (E&TC)

- Lab In charge for Fluid Mechanics Laboratory, Teacher Guardian, Class Teacher
- TECHTONIC 2024 Coordinator
- Departmental Quality Control Coordinator
- Project Guide for BE & ME students
- NBA Criterion 4 Co-Ordinator

DECLARATION:

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

Date: 10 /12 / 2024

Dr. D. K. Rajmane
Signature