

VISHNU U KRISHNAN

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Research Interest

- Hydro-climatology
- Extreme events like flood and drought
- Land Surface Modeling
- Risk Assessment

Education

PhD (2022 onwards)

Interdisciplinary Programme in Climate Studies

Indian Institute of Technology Bombay

M.Tech (2017-2019)

Water Resources Engineering

Visvesvaraya National Institute of Technology Nagpur

B.Tech (2012-2016)

Civil Engineering

Govt Rajiv Gandhi Institute of Technology, Kottayam

Research Projects

1. [Master's project at Department of Water Resources Engineering, VNIT Nagpur](#)

Title: Drought Analysis in Marathwada Region

Supervision: Dr. A B Mirajkar

Duration: May 2018- June 2019

Description: To study the drought severity both spatially and temporally in Marathwada region, Maharashtra using drought indices SPI and SPEI

2. [Research Project at Indian Institute of Technology Guwahati](#)

Title: Study of Glacial Dynamics and Sustainable Hydrological Resources in Arunachal Himalaya

Supervision: Dr. Rajib Kumar Bhattacharjya, Dr. Chandan Mahanta

Duration: October 2020- November 2021

Description: The work involves inventory of glaciers and glacial lakes in Eastern Himalaya and understanding their dynamics and other characteristics including ice thickness, volume etc. Also hydrodynamic modeling the potential glacial lake outburst flood

3. Research Project at National Transportation Planning and Research Centre, Trivandrum

Title: Study on Accidents and Safety Aspects Related to Inland Waterways.

Supervision: Sabitha N.M

Duration: October 2019- May 2020

Description: The work involves the use of multicriteria decision making models in understanding the risk involved in the waterways.

Computer Proficiency

Programming Languages: C, C++, R Studio, Python, MATLAB

Software Packages: HEC-RAS, ArcGIS, ENVI, ERDAS Imagine, WaterGEMS, AutoCAD

Conference Proceedings

Authors	Title	Conference	Date and Venue
Vishnu U Krishnan, Aswini B Mirajkar, Saranya C Nair	Comparative study on drought in Marathwada using SPI and SPEI	HYDRO-2019	18-21 December 2019 Osmania University
Nidhi C Mohan, Vishnu U Krishnan, Saran Kumar M, Sabitha N M	Maintenance and Management of Parvathy Puthanar Canal in Thiruvananthapuram	International Conference on Materials, mechanics And management (IMMM 2020)	March 2020, College Of engineering Trivandrum

References

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