



WATER RESOURCES ENGINEERING AND MANAGEMENT INSTITUTE (WREMI)
FACULTY OF TECHNOLOGY & ENGINEERING
The Maharaja Sayajirao University of Baroda
Samiala - 391 410 Dist. : Vadodara
Tele : (02662) 222089
Email : director-wremi@msubaroda.ac.in

CERTIFICATE

This is to certify that the thesis entitled "Remote Sensing and Geographic Information System Approach for Hydrological, Morphometrical and Spatial Analysis of Vishwamitri Watershed" which is being submitted to The Maharaja Sayajirao University of Baroda in fulfilment of the requirements for the award of degree of Doctor of Philosophy in Civil Engineering by Mr. Vikas Kumar Rana is written by him under my supervision and guidance. This is an original work carried out by him independently. The matter presented in this thesis has not been submitted for the award of any other degree.

Dr. T.M.V. Suryanarayana
Guide

Director
WREMI

29/08
2021

DIRECTOR
WATER RESOURCES ENGINEERING
AND MANAGEMENT INSTITUTE
FACULTY OF TECHNOLOGY AND ENGINEERING
THE M. S. UNIVERSITY OF BARODA

Dean
Faculty of Technology & Engineering
The Maharaja Sayajirao University of Baroda
Dean
Faculty of Tech. & Engg.
M. S. University of Baroda,
Baroda.