

**ASSESSMENT OF HYDROLOGICAL CONDITIONS AND  
GROUNDWATER QUALITY IN CALANGUTE-BAGA, ARPORA AND  
NAGOA VILLAGES OF BARDEZ TALUKA, NORTH GOA.**

Dissertation submitted to the Goa University in partial fulfilment of the  
requirement for the degree of

**MASTER IN SCIENCE**

**IN**

**APPLIED GEOLOGY**

**BY**

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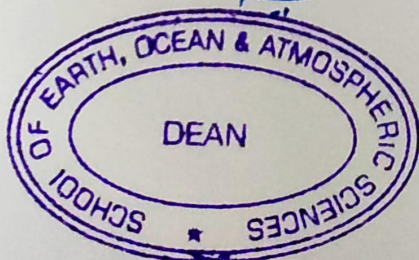
**2022**

## CERTIFICATE

This is to certify that the dissertation entitled “ASSESSMENT OF HYDROLOGICAL CONDITIONS AND GROUNDWATER QUALITY IN CALANGUTE-BAGA, ARPORA AND NAGOA VILLAGES OF BARDEZ TALUKA; NORTH GOA” is an authentic record of the work carried out by Miss Swapna Mahesh Chawan, student of M.Sc., Department of Applied Geology, under my supervision and guidance, in partial fulfilment of the requirement for the degree of Master of Science in Applied Geology of Goa University and that no part thereof has been presented for any other degree or diploma of any other University.

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Place- Goa University

Date : 4/5/2022

## **DECLARATION**

I hereby declare that dissertation entitled “ASSESSMENT OF HYDROLOGICAL CONDITIONS AND GROUNDWATER QUALITY IN CALANGUTE-BAGA, ARPORA AND NAGOA VILLAGES OF BARDEZ TALUKA; NORTH GOA” which is being submitted by Miss Swapna Mahesh Chawan, in partial fulfilment of the requirement for the award of Master of Science in Applied Geology, School of Earth, Ocean and Atmospheric Sciences, Goa University, is an authentic record of the outcome of the work carried out by me under the guidance and supervision of Mr. Mahesh M Mayekar, Assistant Professor, Department of Applied Geology, Goa University, Taleigao Plateau, Goa. I further declare that the matter embodied in the dissertation has not been submitted for the award of any other degree or diploma to any other University or Institution.

  
Signature

Place: Goa University

Swapna Mahesh Chawan