

# **HYDROGEOMORPHOLOGICAL ANALYSIS AND FLOOD RISK SIMULATION STUDY OF CHAPORA RIVER AND SELECTED WATERSHEDS IN NORTH GOA USING GEOSPATIAL TOOLS**

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

**MASTER OF SCIENCE  
IN  
APPLIED GEOLOGY**

By  
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2021-2022**

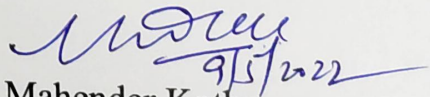
## CERTIFICATE

This is to certify that the dissertation entitled  
**"HYDROGEOMORPHOLOGICAL ANALYSIS AND FLOOD RISK  
SIMULATION STUDY OF CHAPORA RIVER AND SELECTED  
WATERSHEDS IN NORTH GOA USING GEOSPATIAL TOOLS"**  
which is being submitted by Mr. Adithya Abi in partial fulfilment of the  
requirement for the award of Master of Science in Geology, Department of  
Earth Science, Goa University, is an authentic record of the student's own  
work carried out by him under my guidance and supervision. 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.

Place: Goa University

Date:

Guide,

  
Dr. Mahender Kotha

Professor

Goa University

Taleigao Plateau

Goa



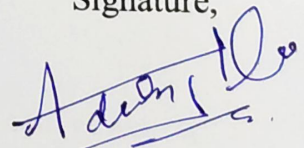
## DECLARATION

I hereby declare that dissertation entitled

**"HYDROGEOMORPHOLOGICAL ANALYSIS AND FLOOD RISK  
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which is being submitted by Mr. Adithya Abi in partial fulfilment of the requirement for the award of Master of Science in Geology, Department of Earth Science, Goa University, is an authentic record of the outcome of the work carried out by me under the guidance and supervision of Dr. Mahender Kotha, Professor, Department of Earth Science, 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,



Adithya Abi

MSc Applied Geology

SEOAS

Place: Goa University