

DETERMINATION OF METALS IN MANGROVE SEDIMENTS AND SPECIES (Avicennia officinalis and Sonnertia caseolaris) TO UNDERSTAND METAL DISTRIBUTION AND PHYTOREMEDIATION POTENTIAL OF MANGROVES IN THE CHAPORA

ESTUARY, GOA



Dissertation

Submitted to

GOA UNIVERSITY

IN PARTIAL FULFILMENT OF THE REQUIREMENT

FOR THE DEGREE OF

MASTER OF SCIENCE

IN

MARINE SCIENCE

BY

VISHAL VISHRAM GAWAS

School of Earth, Ocean and Atmospheric Sciences

Goa University

Taleigao Plateau

Goa, India

AUGUST, 2020

CERTIFICATE

This is to certify that this dissertation is a bonafied and an authentic record of the research carried out by Vishal Vishram Gawas, student of Marine Sciences, under my guidance at the School of Earth, Ocean and Atmospheric Sciences, Goa University, Goa, in the partial fulfilment of M.Sc. Marine Science Degree of the University and that no part has been presented before for any other degree or diploma in any University.

Date: 10/08/2020

Dr. M. R. Nasnodkar

Asistant Professor

School of Earth, Ocean and Atmospheric Sciences, Goa University Goa – 403206