

A geological and petrochemical study of potassic porphyritic granites of Goa: implications for late Archean crustal evolution

A Dissertation Report for

GLO -301: Dissertation

Credits: 8

Submitted in partial fulfilment of

Masters in science

In

Applied geology

by

ADITHI A. S.

21P045003

Under the Supervision of

Dr. POORNIMA ROHAN SAWANT

School of Earth Ocean and Atmospheric science

Applied Geology



GOA UNIVERSITY

Date: April 2023



Examined by:

Seal of the School

DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, “**A geological and petrochemical study of potassic porphyritic granites of Goa: implications for late Archean crustal evolution**” is based on the results of investigations carried out by me in the MSc. Applied Geology at the School of Earth Ocean and Atmospheric Sciences, Goa University under the Supervision of Dr. POORNIMA ROHAN SAWANT and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will be not be responsible for the correctness of observations or other findings given the dissertation.

I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to any one as needed.



ADITHI A. S.

21P045003

MSc. Applied Geology

School of Earth, Ocean and Atmospheric
Sciences

Date: April 2023

Place: Goa University

COMPLETION CERTIFICATE

This is to certify that the dissertation / internship report “A geological and petrochemical study of potassic porphyritic granites of Goa: implications for late Archean crustal evolution” is a bonafide work carried out by **Ms. ADITHI A. S.** under my supervision in partial fulfilment of the requirements for the award of the degree of Master of Science in the Discipline MSc. Applied Geology at the School of Earth Ocean and Atmospheric Sciences, Goa University.

02/05/2023

Dr. POORNIMA ROHAN SAWANT
Assistant professor
SEOAS

Date: *02/05/2023*

C. U. Rivonker

Senior proff. C. U. RIVONKER
Dean, School of Earth Ocean and Atmospheric Sciences



School Stamp

Date:
Place: Goa University

Dr. C. U. Rivonker
Senior Professor and Dean,
School of Earth, Ocean
& Atmospheric Sciences,
Goa University,
Goa - 403 206.