# Synthesis and Characterization of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>•LaMO<sub>3</sub> (M=Fe, Co, Ni, Cu) **Aurivillius Phases** A Dissertation For Course code and Course Title: CHC-651 (Discipline Specific Dissertation) Credits: 16

Submitted in partial fulfillment of Master's Degree

Master of Science in Analytical Chemistry

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### **DECLARATION BY STUDENT**

I hereby declare that the data presented in this Dissertation report entitled, "Synthesis and Characterization of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>•LaMO<sub>3</sub> (M= Fe, Co, Ni, Cu) Aurivillius Phases" is based on the results of investigations carried out by me in the of Master of Science in Analytical Chemistryat the School of Chemical Sciences, Goa University under the Supervision of Dr. Digamber G. Porob 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/experimental 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.

Sonal Prabhakar Naik

(Signature and Name of Student)

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Date: 29 04 2024
Place: Goa University

## **COMPLETION CERTIFICATE**

This is to certify that the dissertation report "Synthesis and Characterization of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub>•LaMO<sub>3</sub> (M= Fe, Co, Ni, Cu) Aurivillius Phases" is a bonafide work carried out by Ms. Sonal Prabhakar Naik under my supervision in partial fulfilment of the requirements for the award of the degree of Master of Science in the Discipline Analytical Chemistry at the School of Chemical Sciences, Goa University.

Dr. Digamber G. Porob

(Signature and Name of SupervisingTeacher)

Date: 29/04/2024

Dr. Vidhyadatta M. Shet Verenkar (Signature of Dean of the School)

Date: 29/04/2024 Place: Goa University

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