

**SYNTHESIS, CHARACTERIZATION AND STUDY OF SOLID STATE PROPERTIES OF  $\text{NiFe}_2\text{O}_4$  -  $\text{NiMn}_2\text{O}_4$  COMPOSITES WITH VARIABLE COMPOSITIONS**

A Dissertation for

Course code and Course title: CGO-500 Dissertation

Credits: 8

Submitted in partial fulfilment of Master's Degree

M.Sc. in Inorganic Chemistry

by

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Under the supervision of

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School of Chemical Sciences

Chemistry Discipline

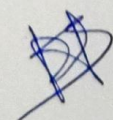
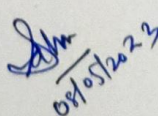

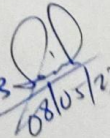


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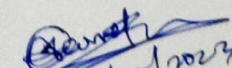
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## DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, **"Synthesis, Characterization and Study Of Solid State Properties of  $\text{NiFe}_2\text{O}_4$  - $\text{NiMn}_2\text{O}_4$  composites with variable compositions"** is based on the results of investigations carried out by me in the Chemistry Discipline at the School of Chemical Sciences, Goa University under the Supervision/Mentorship of **Prof. V.M.S.Verenkar** 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 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.



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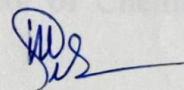
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## COMPLETION CERTIFICATE

This is to certify that the dissertation "**Synthesis, Characterization and Study Of Solid State Properties of  $\text{NiFe}_2\text{O}_4$  - $\text{NiMn}_2\text{O}_4$  composites with variable compositions**" is a bonafide work carried out by **Ms.Priyanka Sudin Modak** under my supervision/mentorship in partial fulfilment of the requirements for the award of the degree of M.Sc. in the Discipline of Chemistry at the School of Chemical Sciences, Goa University.



**Prof. V.M.S. Verenkar**

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