

**“SYNTHESIS AND CHARACTERIZATION OF Ga<sub>2</sub>O<sub>3</sub> NANOPARTICLES AND ITS  
ON PHOTOCATALYTIC DYE DEGRADATION BY HYDROTHERMAL METHOD”**

Dissertation report submitted to the Center for Material Science and  
Technology University of Mysore In partial fulfillment of the  
requirements for the degree of

**MASTER OF TECHNOLOGY**

**IN**

**MATERIAL SCIENCE**

**By**

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**CERTIFICATE**

This is to certify that the project work entitled "SYNTHESIS AND CHARACTERIZATION OF  $Ga_2O_3$  NANOPARTICLES AND ITS ON PHOTOCATALYTIC DYE DEGRADATION BY HYDROTHERMAL METHOD" is carried out by **Mr. Chaithra. H.R.**, Register number **18MTS352** bonafide students of **CENTRE FOR MATERIALS SCIENCE AND TECHNOLOGY, UNIVERSITY OF MYSORE, MYSORE** in partial fulfillment of part of the requirement for award of the Degree of Master of Technology in Materials Science of the University of Mysore. It is certified that all correction and suggestion indicated for internal assessment have been incorporated in the report.

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