

CERTIFICATE

This is to certify that the thesis entitled "SYNTHESIS AND CHARACTERISATION OF NANOCRYSTALLINE Cu (II) SUBSTITUTED HETEROPOLYOXOMETALATE THIN FILMS." which is being submitted herewith for the award of the Degree of **Master of Philosophy** in **Chemistry** of Shivaji University, Kolhapur, is the result of the original research work completed by **Miss. Vandana R. Patil** under my supervision and guidance and to the best of my knowledge and belief the work embodied in this thesis has not formed earlier the basis for the award of any Degree or similar title of this or any other University or examining body.

Place: Kolhapur
Date: 31-07-08

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