## CERTIFICATE

This is to certify that the dissertation entitled "PROCESSING, SYNTHESIS AND CHARACTERISATION OF ARSENIC TRISULPHIDE THIN FILMS" submitted to the Shivaji University, Kolhapur for the award of the Degree of Master of Philosophy in Physics, embodies the results of a bonafide research carried out by Shri J. S. Dargad under my guidance and supervision and that no part of the dissertation has been or is being submitted for any degree or diploma of this or any other University or Institute. The assistance and help received during the course of this investigations have been acknowledged.

Place : Solapur Date :  $\eta | 1 | 9 \gamma$ 

Deshmukh )

Dr. L. P. Deshmukh Principal Investigator. SENC Project No: GP/S2/M1151

Forwardad with recommendations.

Josni &. B

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