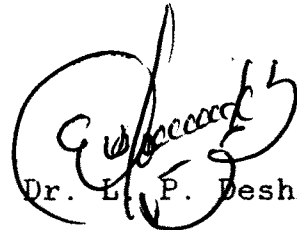


**CERTIFICATE**

This is to certify that the dissertation entitled "ELECTRICAL AND OPTICAL PROPERTIES OF CHEMICALLY DEPOSITED [REDACTED] 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 bonafied research carried out by Shri H.D. Patil 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 Universities or institute. The assistance and help received during the course of this investigations have been acknowledged.

Place : Solapur.

Date : 29<sup>th</sup> December 1995

  
( Dr. L. P. Deshmukh )

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