



This is to certify that the dissertation entitled, **“ELECTROCHROMIC PROPERTIES OF SPRAY DEPOSITED NIOBIUM OXIDE THIN FILMS”**, which is being submitted herewith for the award of the Degree of Master of Philosophy in Physics of Shivaji University, Kolhapur, is the result of the original research work completed by Shri. A.R. Patil under my supervision and guidance and to the best of my knowledge and belief the work embodied in this dissertation 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: 29/6/2001

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