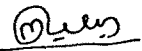


## DECLARATION

I hereby declare that the work reported in this Dissertation is original and carried out by me under the guidance of Dr. R.D. Lawangar-Pawar, Materials Research Laboratory, Department of Physics, Shivaji University, Kolhapur.


I further declare that this work has not formed the basis for the award of any degree, diploma or a similar title of any other institute.

  
( M.J. Kolekar )

Forwarded through the Research Guide

Kolhapur

May 27, 1988.

  
(Dr.R.D. Lawangar-Pawar)  
Research Guide