CERTAFACGTE

This is to certify that Shri.J.N.Patil has carried out the work presented in this dissertation under my supervision for a period as per the requirement of the M.Phil. programme of this University.

• Place : Kolhapur

Date

2.9 MAY 1989

(Dr.K.L.Narayana) Research guide

General Physics laboratories, Shivaji University, Kolhapur.