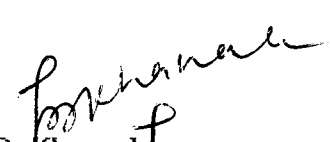


DECLARATION

I hereby declare that the entire work presented in this dissertation has been carried out by me under the supervision of Dr. A. S. Vaingankar, Reader in Electronics, Shivaji University, Kolhapur, and no part of this dissertation has been submitted before for the award of any degree or diploma of this University or any other University/Institute.

Place : Kolhapur.

Date : 11-08-1995.


P. B. Khanale

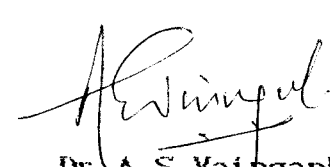
(U.G.C. Teacher Fellow)

Department of Physics,

Shivaji University,

Kolhapur -4.

Certified



Dr. A. S. Vaingankar

(Research Guide)

Reader in Electronics,

Shivaji University,

Kolhapur -4.


Prof. B. Ghosh
Department of physics,
Shivaji University,
Kolhapur -4.