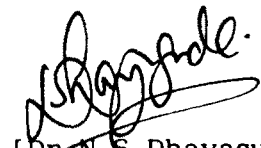


CERTIFICATE

This is to certify that the work incorporated in this dissertation is a bonafide research work carried out by Sou Vandan Avinash Joshi under my guidance.

Place : SOLAPUR

Date : The 24<sup>th</sup> of June, 1993



[Dr. N. S. Dhayagude)  
Guide Teacher

**HEAD OF PHYSICS DEPARTMENT  
B. B. F. DAYANAND COLLEGE OF ARTS  
AND SCIENCE, SOLAPUR.**