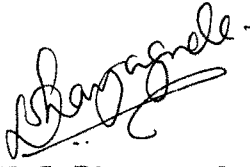


C E R T I F I C A T E

This is to certify that the work incorporated  
in this dissertation is a bonafide research work  
carried out by Shri Dattatray Shrikrishna Sutrave  
under my guidance.

Place : Solapur,  
Date : 22<sup>nd</sup> Nov., 1988

  
(Dr. N. S. Dhayagude).  
Guide Teacher.