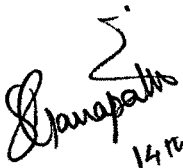
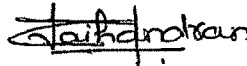


## CERTIFICATE

This is to certify that the contents of the thesis comprise original research work of the candidate and at no time have been submitted for any other degree

  
14th August '97

(Dr. S. Ganapathi)  
Guide



(Jayachandran Nair)  
Candidate