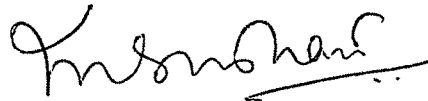


CERTIFICATE

This is to certify that this thesis is the result of research work done by Mr. N.P. Das under my guidance. I also certify that this work has not been submitted by him to this or to any other University for any Degree or Diploma.



(M. Sreehari)
Professor of Statistics
Department of Statistics
Faculty of Science
M.S. University of Baroda
Baroda.