## -: CERTIFICATE :-

I certify that the dissertation entitled by "INEQUALITIES VIA MAJORIZATION" which is being submitted by Mr. Babu Zachariah for the award of the Degree of Master of Philosophy in statistics of Shivaji University, Kolhapur, under the faculty of science is a record of work carried out by him under my guidance.

Research Guide

DATE :31- August 1990.

Rathani

Dr. R.N.Rattihalli Department of Statistics, Shivaji University, K o l h a p u r .