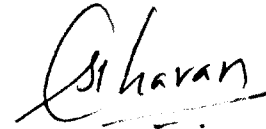


C E R T I F I C A T E

This is to certify that Mr.T.L.Kadam has carried out the work presented in this dissertation under my supervision and it is original in nature.



Place : Kolhapur
Date : 10/5/89

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