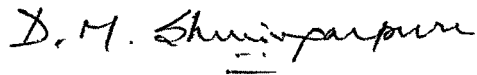


C E R T I F I C A T E

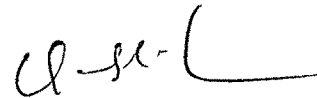
THIS IS TO CERTIFY THAT THE CONTENTS OF THE THESIS COMPRISE ORIGINAL RESEARCH WORK OF THE CANDIDATE AND AT NO TIME HAS BEEN SUBMITTED FOR ANY OTHER DEGREE.

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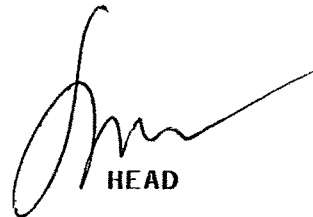
CANDIDATE



(M. SHANMUKHAPPA)

DATE : 31/3/1995

PLACE: BARODA



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DEPARTMENT OF GEOLOGY

(DR.S.J. DESAI)