

C E R T I F I C A T E

This is to certify that the work incorporated in the dissertation entitled, 'SPATIO TEMPORAL CHANGES IN DISTRIBUTION AND GROWTH OF POPULATION IN SATARA DISTRICT' is the bonafide and original research work carried out by SHRI. KALE BALKRISHNA JAYASING under my guidance in the Department of Geography, Chh. Shivaji College, Satara to be submitted to the SHIVAJI UNIVERSITY, KOLHAPUR for the Degree of MASTER OF PHILOSOPHY IN GEOGRAPHY.

PLACE : SATARA

DATE : 31/12/1996


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