

# CERTIFICATE

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This is to certify that the thesis entitled “**Design of an Efficient Content Based Image Retrieval System in P2P Environment**” submitted by **Mr. Vinayak Gajanan Kottawar** to Swami Ramanand Teerth Marathwada University, Nanded for the award of the degree of **Doctor of Philosophy in Computer Science and Engineering** is a record of bonafide research work carried out by him under my supervision and guidance at MGM’s College of Engineering, Nanded during the period from Nov 2011 to June 2016. The content of the thesis, in full or parts are original and have not been submitted to any other Institute or University for the award of any other degree or diploma.

Dr. Archana M. Rajurkar  
Professor & Head,  
Department of Computer Science Engineering,  
MGM College of Engineering, Nanded.

Research Guide

Date: June 2016

Place: Nanded

Forwarded by

Dr. Archana M. Rajurkar  
Research Centre Coordinator,  
MGM’s College of Engineering,  
Nanded.

Dr. Geeta S. Lathkar  
Director,  
MGM’s College of Engineering,  
Nanded

