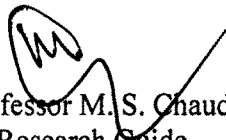


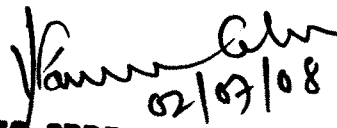
## CERTIFICATE

This is to certify that the thesis entitled "Item analysis: Techniques and Applications" which is being submitted herewith for the award of the Degree of Master of Philosophy in Computer Science of Shivaji University, Kolhapur is the result of the original research work completed by Mrs. Vaishali P. Bhosale under my supervision and guidance and to the best of my knowledge and belief the work embodied in this dissertation has not formed earlier the basis for the award of any Degree and similar title of this or any other University or examining body.

Place: Kolhapur  
Date: 30<sup>th</sup> June 2008

  
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