

This is to certify that the work presented in this thesis is original and was obtained from the studies undertaken by me under the supervision of **Prof. Sarita Gupta**.

Niraj M. Bhatt Candidate

Vadodara Date:

This is to certify that the work presented in the form of a thesis in fulfillment of the requirement for the award of the Ph. D. degree of The M. S. University of Baroda by Mr. Niraj M. Bhatt is his original work. The entire research work and the thesis have been built up under my supervision.

In Avig 20'

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