## MATHEMATICAL TECHNIQUES FOR GUJARATI DOCUMENT IMAGE ANALYSIS AND CHARACTER RECOGNITION

## A Thesis Submitted By Jignesh Dholakia

Towards the Partial Fulfillment for the Degree of

## Doctor of Philosophy in Applied Mathematics

Guided By Prof. V. D. Pathak



Faculty of Technology and Engineering The Maharaja Sayajirao University of Baroda Kalabhavan, Vadodara - 390 001. INDIA

June, 2010