

## Thesis

to be submitted for the award of the degree of

## DOCTOR OF PHILOSOPHY

In Mathematics

entitled

"CONTROLLABILITY ANALYSIS OF A CLASS OF NONLINEAR AND SINGULAR SYSTEMS BY USING TECHNIQUES OF FUNCTIONAL ANALYSIS"

by

Dimplekumar N. Chalishajar

Department of Applied Mathematics Faculty of Technology & Engineering The M.S. University of Baroda, Vadodara-390001

To

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

Supervisor

Dr. Raju K. George

Reader
Department of Applied Mathematics
Faculty of Technology & Engineering
The M.S. University of Baroda, Vadodara-390001

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