## A Study of Circular and Elliptical Restricted Three Body Problems with Perturbations

A Thesis submitted to The Maharaja Sayajirao University of Baroda



For the award of the degree of Doctor of Philosophy

in

Mathematics

by

Sheth Dhwani Umesh

under the guidance of

Dr. V. O. Thomas

Professor

Department of Mathematics
Faculty of Science
The Maharaja Sayajirao University of Baroda
Vadodara—390002

July 2023