

# **STUDY OF ELECTRON INDUCED IONIZATION AND OTHER PROCESSES FOR MOLECULES**

Thesis submitted to  
The Maharaja Sayajirao University of Baroda, Vadodara

For the degree of  
**DOCTOR OF PHILOSOPHY**

In  
**APPLIED PHYSICS**

By  
**Smruti H. Parikh**  
Under the supervision of  
**Dr. Chetan Limbachiya**



Department of Applied Physics  
Faculty of Technology and Engineering  
The Maharaja Sayajirao University of Baroda  
Vadodara-390 001

July 2023