

First Principles Study of Bio-Conjugated Boron Nitride Nanostructures

A THESIS

SUBMITTED TO

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

FOR THE AWARD OF THE DEGREE OF

Doctor of Philosophy

IN

Physics

BY

BASANT ROONDHE



Under the supervision of

Prof. Prafulla K. Jha

Department of Physics, Faculty of Science
The Maharaja Sayajirao University of Baroda
Vadodara – 390 002, India

MARCH-2019