A Density Functional Theory Investigation on Hydrogen and Oxygen Evolution Reaction of Metal Chalcogenides

A THESIS

SUBMITTED TO

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

FOR THE AWARD OF THE DEGREE OF

Doctor of Philosophy

$I\!N$

Physics

BY

Archana Nishant Inamdar



Supervisor:

Prof. Arun Pratap Department of Applied Physics, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara-390001. **Co-Supervisor:**

Prof. P. K. Jha Department of Physics, Faculty of Science, The M. S. University of Baroda, Vadodara-390002.

October - 2023