



# **Investigation Of Properties of Recombination Inhibiting Barrier Layer For Dye Sensitized Solar Cell**

A thesis submitted to

**The Maharaja Sayajirao University of Baroda**

for the degree of

**Doctor of Philosophy**

**In**

**Applied Physics**

**By**

**Piyush J. Bhatt**

Under the supervision of

**Dr. Bishwajit S. Chakrabarty**

**Applied Physics Department  
Faculty of Technology & Engineering  
The M.S. University of Baroda  
Vadodara-390001, Gujarat, India**

**May 2024**