

Declaration

I, Piyush J Bhatt, hereby declare that the work presented in this PhD thesis titled **“Investigation of Properties of Recombination Inhibiting Barrier Layer for Dye Sensitized Solar Cell ”** is my own, original work, conducted under the supervision of **Dr. Bishwajit S Chakrabarty** and submitted to **Applied Physics Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda**, Vadodara in fulfilment of the requirement for the degree of Doctor of Philosophy.

I confirm that, this thesis is my own original work and has not been submitted for any other degree or qualification. All sources of information used in this thesis have been appropriately acknowledged and referenced. The thesis has been written in accordance with the ethical standards and guidelines of university. Any assistance received during the research and preparation of this thesis has been acknowledged.

Piyush J Bhatt

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