## DECLARATION

I declare that the thesis entitled "Adiponectin gene polymorphisms in type 2 diabetics and evaluating the therapeutic potential of pitavastatin and L-glutamine in combination on type 2 diabetes mouse model" submitted by me for the degree of Doctor of Philosophy (Ph.D.) is the record of work carried out by me during the period from 24-09-2015 to 19-07-2021 under the guidance of Prof. Rasheedunnisa Begum at The Maharaja Sayajirao University of Baroda, Vadodara. Neither the thesis nor any part of it has been submitted for the award of any degree, diploma, associateship, fellowship or titles in this or any other University or other institution of higher learning elsewhere.

I further declare that whatever references have been made, to work of others, has been clearly indicated and included in the references. Materials and help obtained from other sources have been duly acknowledged in the thesis.

Sayantani Pramanik

Ms. Şayantani Pramanik (Ph.D. candidate) Place: Vadodara Date: 20/07/2021