

# DECLARATION

I hereby declare that the work incorporated into the present thesis entitled "*Semi-Analytical approach to Fractional Differential Equations and its Applications*" is original and has not been submitted either partly or fully elsewhere for the award of any degree. I further declare that the results presented in this thesis and the considerations made therein contribute in general to the advancement of knowledge in mathematics. This entire research work has been executed at the Department of Applied Mathematics, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, under the guidance of Dr. Snehal B. Rao.

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