

# CERTIFICATE

This is to certify that the project entitled “ **NUMERICAL SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATION**” submitted to the Bharath Institute of Higher Education and Research, Chennai in partial fulfillment of the requirements for the awarded of the degree of Master of Commerce is a bonafide record of research work carried out by “**P.PONMANASELVAN (U17MA040)**” during the period of 2019 – 2020 of his/her study in the Department of Mathematics, Faculty of Arts and Science, Bharath Institute of Higher Education and Research, Chennai, Under my Supervision and Guidance and that the project has not formed the basis for the award previously of any degree, diploma, associate ship, fellowship or any other similar title to any candidate of any University.



Head of the Department  
Department of Mathematics  
Faculty of Arts & Science  
BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed to be University by UGC, New Delhi, 1996)  
Chennai-600 073, India



Signature of the Supervisor

FOR   
External Examiner