



**DEPARTMENT OF MECHANICAL ENGINEERING
BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
DECEMBER 2019**

BONAFIDE CERTIFICATE

This to certify that this project entitled “IMPROVEMENT IN TOOL LIFE OF MILLING CUTTER BY APPLICATION OF CRYOGENIC TREATMENT” is the bona-fide work of “FAISAL RAHMAN(U16ME077), KAMASANI SURESH(U16ME078), MOHAMMED SHAJI M B(U16ME079), MAJID ALI(U16ME080)” who carried out the project work under our supervision.

27.12.2019

Date of project work viva voice examination on _____

Mr. R. Hariharan

ASSISTANT PROFESSOR
PROJECT GUIDE

Dr. K. Balasubramaniyan

PROFESSOR AND HEAD
DEPARTMENT OF MECHANICAL



INTERNAL EXAMINER

EXTERNAL EXAMINER