

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH


DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this project entitled "WHALE OPTIMIZATION ALGORITHM BASED FOR CONTROLLING BASE STATION MOVEMENTS IN A WIRELESS SENSOR NETWORK" is the bonafide work of SUDHARSHAN (U16EC502) and MOHAMMED MARUF KHAN A (U16EC087), who carried out the project work under our supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate



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INTERNAL EXAMINER



EXTERNAL EXAMINER