



BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed university under section 3 of UCG Act 1956, vide notification No.F.9-5\2000-U.3)

DEPARTMENT OF MICROBIOLOGY AND BIOTECHNOLOGY

This is to certify that “**COPPER NANOPARTICLES: SYNTHESIS, CHARACTERIZATION AND ITS APPLICATIONS**” is a bonafide work done by **VENKAT RAMANAN C (U17BS033)** for the major project in Biotechnology during the academic year 2017-2020

INTERNAL GUIDE

(Dr. T. KALAIYARASU)

H.O.D

BIOTECHNOLOGY

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INTERNAL EXAMINER

EXTERNAL EXAMINER