



# Bharath

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-5/2000-U.3)


**FACULTY OF ARTS & SCIENCE**

**DEPARTMENT OF CHEMISTRY**

**BONAFIDE CERTIFICATE**

This is to certify that the Project entitled “**synthesis and characterization of poly(*p*-phenylenediamine) decorated copper nanocomposites by monophasic method**” is original record work done by **Miss. K.SUMAIYA BANU (Reg. No: U17CI018)**, under my guidance and supervision for the partial fulfillment of award of degree in B.Sc., as per syllabus prescribed by the Faculty of Arts & Science, Bharath Institute of Higher Education and Research, Selaiyur, Chennai.

  
PROJECT GUIDE

  
HEAD OF THE DEPARTMENT  
Head of the Department  
Department of Chemistry  
Faculty of Arts & Science  
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(Declared as Deemed to be University U/S 3 of UGC Act. 1956)  
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Submitted for Viva-Voce examination held on 18.12.2020 at Department of Chemistry, Faculty of Arts & Science, Bharath Institute of Higher Education Research, Chennai.

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER