



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

FACULTY OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

BONAFIDE CERTIFICATE

This is to certify that the project entitled “VISUAL EXPLORATION OF CHANGES IN PASSENGER FLOWS AND TWEETS ON MEGA-CITY METRO NETWORK” is original record, work done by “P.VIGNESHWARAN” P17CA724., under my guidance and supervision for the partial fulfilment of award of degree in Master of Computer Applications (M.C.A) as per syllabus prescribed by the Faculty of Arts and Science, Bharath Institute of Science and Technology, Bharath Institute of Higher Education and Research, Selaiyur, Chennai.

E. S. S.

PROJECT GUIDE

Ms.E.Srimathi

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HEAD OF THE DEPARTMENT

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Submitted for Viva-Voce Examination held on 21/9/20 at Department of Computer Science, Faculty of Arts and Science, BIST, Bharath Institute of Higher Education and Research, Chennai.

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INTERNAL EXAMINER

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EXTERNAL EXAMINER