

PROJECT REPORT ON
GRAPH ALGORITHMS FOR VISUALIZING HIGH
DIMENSIONAL DATA

Submitted in partial fulfilment of the requirement for
the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
OF
SASTRA UNIVERSITY

Submitted by

ABHINAV S V (116003002)



Under the Guidance of

Prof. Ricard Gavaldà Mestre, PhD,
Catedràtic d'Universitat[Full Professor],
Department of Computer Science,
LARCA Research Group ,
Universitat Politècnica de Catalunya, Barcelona, Spain
and

Prof. Marta Arias Vicente, PhD,
Professor Agregat [Associate Professor],
Department of Computer Science,
LARCA Research Group,
Universitat Politècnica de Catalunya, Barcelona, Spain

June 2016

SCHOOL OF COMPUTING

SHANMUGHA

ARTS, SCIENCE, TECHNOLOGY & RESEARCH ACADEMY

(A University Established under section 3 of the UGC Act, 1956)

TIRUMALAISAMUDRAM, THANJAVUR – 613401

BONA FIDE CERTIFICATE

Certified that this project work entitled “**GRAPH ALGORITHMS FOR VISUALIZING HIGH DIMENSIONAL DATA**” to the Shanmugha Arts, Science, Technology & Research Academy (SASTRA) University, Tirumalaisamudram–613401 by Abhinav S V [116003002] in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING is the original and independent work carried out as a part of the semester abroad program (SAP), during the period February 2016 - June 2016 at Department of Computer Science, LARCA Research Group , Universitat Politècnica de Catalunya(UPC), Barcelona, Spain.

**Dr. A. UMAMAKESWARI,
ASSOCIATE DEAN
DEPARTMENT OF COMPUTER SCIENCE,
SCHOOL OF COMPUTING,
SASTRA UNIVERSITY,
THANJAVUR**

INTERNAL EXAMINAR 1

INTERNAL EXAMINAR 2

SCHOOL OF COMPUTING

SHANMUGHA
ARTS, SCIENCE, TECHNOLOGY & RESEARCH ACADEMY
(A University Established under section 3 of the UGC Act, 1956)
TIRUMALAISAMUDRAM, THANJAVUR – 613401



DECLARATION

I submit this project work entitled “**GRAPH ALGORITHMS FOR VISUALIZING HIGH DIMENSIONAL DATA**” to the Shanmugha Arts, Science, Technology & Research Academy (SASTRA) University, Tirumalaisamudram–613401, in partial fulfilment of the requirements for the award of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING** and declare that it is my original and independent work carried out under the guidance of ***Prof. Ricard Gavaldà Mestre***, PhD, Catedràtic d'Universitat [Full Professor], Department of Computer Science, LARCA Research Group, Universitat Politècnica de Catalunya, Barcelona, Spain and ***Prof. Marta Arias Vicente***, PhD, Professor Agregat [Associate Professor], Department of Computer Science, LARCA Research Group, Universitat Politècnica de Catalunya, Barcelona, Spain in the international research group [Laboratory for Relational Algorithmics, Complexity and Learning] (LARCA)

Date:

Place:

Name: Abhinav S V
Reg. No.: 116003002

Signature:

