ALGORITHM FOR GRAPH COLORING BASED ON MAXIMUM INDEPENDENT SET FOR CERTAIN GRAPHS

A Project work submitted to

The American College (Autonomous)

Affiliated to Madurai Kamaraj University

In partial fulfillment of the requirement for the Degree of

Master of Science in Mathematics

Submitted by

AANANDHI A

(Register No. 21PGM01)

Under the Guidance of

Mrs. S. CHRISTY DEVASUBA M.Sc., M.Phil.,

Assistant Professor,
Department of Mathematics,
The American College,
Madurai – 625 002.

SINCE 1881

DEPARTMENT OF MATHEMATICS

THE AMERICAN COLLEGE (AUTONOMOUS)

(Re-Accredited with "A+" Grade by NAAC)

MADURAI – 625 002

APRIL – 2023

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Mr. S. STEPHEN

Head (PG) and Associate professor,
Department of Mathematics,
The American College,
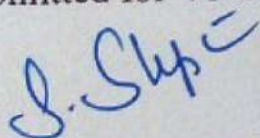Madurai – 625 002.

Mrs. S. CHRISTY DEVASUBA

Assistant Professor,
Department of Mathematics,
The American College,
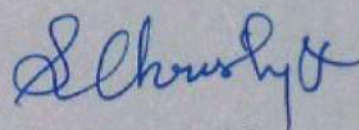Madurai – 625 002.

BONAFIDE CERTIFICATE

This is to certify that this project work entitled **ALGORITHM FOR GRAPH COLORING BASED ON MAXIMUM INDEPENDENT SET FOR CERTAIN GRAPHS** submitted by AANANDHI A (21PGM01) student of M.Sc., degree course in Mathematics, **The American College (Autonomous),Madurai,** affiliated to **Madurai Kamaraj University, Madurai,** is a bonafide record of work carried out by her under my guidance and supervision as a fulfillment of the course.

It is further certified that to the best of my knowledge, this project report or any part of this work has not been submitted in this university or elsewhere for any other degree or diploma.

Submitted for Viva-Voce held on

Head of the Department

Internal Guide

External Examiner