

# **GRAPH COLORING ALGORITHM FIRST FIT, LARGEST DEGREE, ADJACENCY MATRIX FOR SOME 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**

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**Under the Guidance of  
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**DEPARTMENT OF MATHEMATICS  
THE AMERICAN COLLEGE (AUTONOMOUS)  
(Re-Accredited with "A+" Grade by NAAC)  
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APRIL – 2023**



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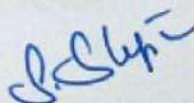
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### **BONAFIDE CERTIFICATE**

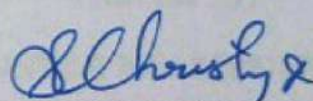
This is to certify that this project work entitled **GRAPH COLORING ALGORITHM FIRST FIT, LARGEST DEGREE ADJACENCY MATRIX FOR SOME GRAPHS** submitted by **AJITH .G (21PGM04)** student of M.Sc., degree course in Mathematics, **The American College (Autonomous), Madurai**, affiliated to **Madurai Kamaraj 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 20/5/2023



**Head of the Department**



**Internal Guide**

**External Examiner**