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## CERTIFICATE

This thesis entitled “**A STUDY ON SUM AND INTEGRAL SUM LABELING AND DECOMPOSITION OF GRAPHS**” submitted by **A. Suryakala**, Department of Mathematics, Sree Devi Kumari Women's College, Kuzhithurai-629 163, for the award of Degree of Doctor of Philosophy in Mathematics of Manonmaniam Sundaranar University, Tirunelveli, is a record of bonafied research work done by her and it has not been submitted for the award of any degree, diploma, associateship, fellowship of any University or Institution.

Place: Tirunelveli

Date:

Signature of the Co-Guide

(Dr. R.KALA)

Signature of the Guide

(Dr. V. VILFRED)