

**PAIR, SUPER, EDGE, SUM LABELING OF HELM,
CLOSED HELM AND GEAR GRAPHS**

A Dissertation submitted to

St. Mary's college (Autonomous)

Thoothukudi

Affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY

in partial fulfilment of the requirements

for the award of the Degree of

MASTER OF PHILOSOPHY IN MATHEMATICS

By

V. FANNY VIYANNIKA

(REG. No. 19MLMT01)



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September-2020

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This is to certify that the dissertation entitled “**PAIR,SUPER, EDGE SUM LABELING OF HELM, CLOSEDHELM AND GEAR GRAPHS** ” submitted to St. Mary’s College (Autonomous), Thoothukudi, affiliated to Manonmaniam Sundaranar University, in partial fulfilment of the requirements for the award of the degree of Master of Philosophy in Mathematics is a work done by **V.FANNY VIYANNIKA** during the year 2019-2020, and that it has not previously formed the basis for the degree of any degree, diploma or similar title.

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ACKNOWLEDGEMENT

I am extremely grateful to the **Lord Almighty** for His guidance, grace in completing this project successfully during the year 2019 – 2020

I express my gratitude to **Dr. Sr. A.S.J. Lucia Rose M.Sc., M.Phil., PGDCA., Ph.D.**, the Principal of St. Mary's College (Autonomous), Thoothukudi and the institution for encouraging a research oriented study. I thank my institution for the values I received and the knowledge I acquired in the course of study.

First, I would like to express my sincere and gratitude towards my guide and Head of the Research Department of Mathematics, **Dr. A. Punitha Tharani M.Sc., M.Phil., Ph.D.**, for her motivational support, moral guidance and encouragement in the successful completion of this thesis.

I thank all the faculty of Department of Mathematics for providing us very good learning experience and academic ambience.

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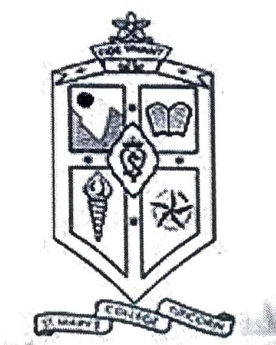
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I am deeply grateful to my guide, **Dr. C.REENA M.Sc., B.Ed., M.Phil., Ph.D., SET.**, for her untiring help, academic guidance and encouragement in the successful completion of this thesis.

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TOPICS

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**A STUDY ON INTUITIONISTIC FUZZY LABELING ON
SOME GRAPHS**

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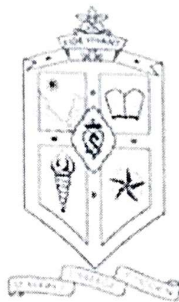
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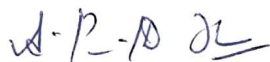
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A STUDY ON INTUITIONISTIC FUZZY MATCHING

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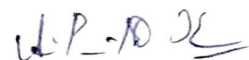
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I am deeply grateful to my guide, **Dr. Sr. S. Kulandai Therese, M.Sc., B.Ed., M.Phil., Ph.D.**, for her untiring help, academic guidance and encouragement in the successful completion of this thesis.

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