

Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam

M.Sc., Mathematics (2020-2022) Batch - Project Details

Reg.No	Name of the student	Project Title	Guide Name
20202242515205	KALAI SELVI R	A Study on Fibonacci Labeling of a Graph	Dr. A. Poongothai
20212242515201	BALADIVYA A	Methods to Compute an Initial Basic Feasible Solution of a Transportation Problem	Mrs. K. Anita Blessie Rani
20212242515202	BOOMADEVI V	A Study on Interval Linear Assignment Problem	Mrs. G. Padma Karthiyayini
20212242515203	MERLIN S	A Study on the Harmonic Mean Labeling of Graphs	Dr.A.Sudha
20212242515204	MUTHU LAKSHMI M	A Study on Irregular Total Labeling	Dr.A.Sudha
20212242515205	MUTHULAKSHMI S	A Study on the Chromatic Strong Dominating Sets Of Graphs	Dr.P.Shanthi
20212242515206	SARANYA S	A Study on Zumkeller Labeling Of Some Graphs	Miss. K. Kalaivani

A STUDY ON FIBONACCI LABELING OF A GRAPH

A PROJECT

Submitted by

R . Kalai selvi

(Register No : 20202242515205)

In partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN MATHEMATICS



DEPARTMENT OF MATHEMATICS

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628204

MANONMANIYAM SUNDARANAR UNIVERSITY

TIRUNELVELI – 627012

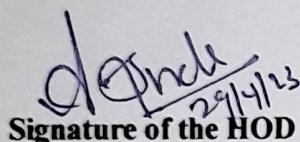
APRIL – 2023

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM - 628204

BONAFIED CERTIFICATE

Certified that this project titled "A STUDY ON FIBONACCI LABELING OF THE GRAPH" is the bonafied work of **R.KALAI SELVI** (Reg. : 20202242515205) who carried out the work under my supervision. Certified further that do the best of my knowledge the work reported here in does not form a part of any other project on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



Signature of the HOD

Dr.Mrs.A.Sudha

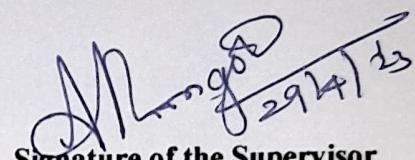
Head and Assistant Professor

Department of Mathematics

Wavoo Wajeeha Women's College

of Arts and Science

Kayalpatnam - 628204



Signature of the Supervisor

Dr.Mrs.A.Poongothai

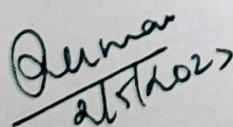
Assistant Professor

Department of Mathematics

Wavoo Wajeeha Women's College

of Arts and Science

Kayalpatnam - 628204



Principal

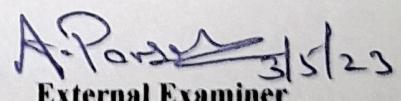
PRINCIPAL

WAVOO WAJEEHA WOMEN'S COLLEGE

OF ARTS AND SCIENCE

Tiruchendur Road, Kayalpatnam - 628 204,

Thoothukudi Dist., Tamil Nadu,



A. Parasuraman 31/5/23

External Examiner

DECLARATION

I hereby declare that this project entitled "**A STUDY ON FIBONACCI LABELING OF A GRAPH**" is a record of the first handwork done by me under the guidance of **Dr.Mrs.A.Poongothai ,M.Sc.,M.Phil.,Ph.D.,SET.,** Assistant professor Department of Mathematics , Wavoo Wajeeha Women's college of Arts and Science , Kayalpatnam. No part of this report has been submitted for the award of any other Degree , Diploma or other Title.

Place : Kayalpatnam

Date : 29.4.2023

R.Kalai selvi
Signature of the candidate

R.Kalai selvi

Register No : 20202242515205

**METHODS TO COMPUTE AN INITIAL BASIC
FEASIBLE SOLUTION OF A TRANSPORTATION
PROBLEM**

A PROJECT

Submitted by

A.BALADIVYA

(Register No: 20212242515201)

In partial fulfillment of the requirement for the degree of

MASTER OF SCIENCE IN MATHEMATICS



DEPARTMENT OF MATHEMATICS

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628204

MANONMANIAM SUNDARANAR UNIVERSITY

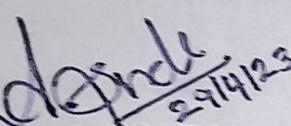
TIRUNELVELI-627012

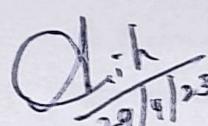
APRIL-2023

WAVOO WAJEEHA WOMENS COLLEGE OF ARTS AND SCIENCE
KAYALPATNAM - 628204

BONAFIDE CERTIFICATE

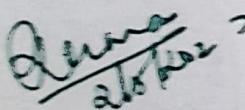
Certified that this project titled "**METHODS TO COMPUTE AN INITIAL BASIC FEASIBLE SOLUTION OF A TRANSPORTATION PROBLEM**" is the bonafide work of **A. BALADIVYA** (Register No: 20212242515201) who carried out work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other project on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

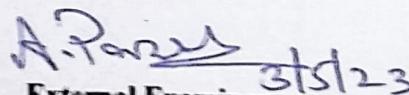

29/4/23
Signature of the HOD


29/4/23
Signature of the supervisor

Dr. Mrs. A. Sudha M.Sc., M.Phil., Ph.D
Head and Assistant Professor
Department of mathematics
Wavoo Wajeeha Women's College
Of Arts and Science
Kayalpatnam-628204

Mrs. K. Anita Blessie Rani M.Sc., M.Phil., SET
Assistant Professor
Department of mathematics
Wavoo Wajeeha Women's College
Of Arts and Science
Kayalpatnam-628204


29/4/23
Principal
PRINCIPAL
WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Tiruchendur Road, Kanyakumari-628 204,
Tamil Nadu, India

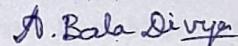

31/5/23
External Examiner

DECLARATION

I hereby declare that this project entitled "**METHODS TO COMPUTE AN INITIAL BASIC FEASIBLE SOLUTION OF A TRANSPORTATION PROBLEM**" is a record of the first hand work done by me under the guidance of **Mrs. K. Anita Blessie Rani M.Sc., M.Phil., SET** Assistant Professor of Mathematics, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam. No part of this report has been submitted for the award of any other Degree, Diploma or other Titles.

Place: Kayalpatnam

Date: 29.04.2023



Signature of the candidate

A. BALADIVYA

Register No:20212242515201

A STUDY ON INTERVAL LINEAR ASSIGNMENT PROBLEM

A PROJECT

Submitted by

V. BOOMADEVI

(Register No: 20212242515202)

In partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN MATHEMATICS



DEPARTMENT OF MATHEMATICS

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628204

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI – 627012

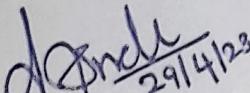
APRIL – 2023

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM - 628 204

BONAFIDE CERTIFICATE

Certified that this project titled "**A STUDY ON INTERVAL LINEAR ASSIGNMENT PROBLEM**" is the bona fide work of **V. BOOMADEVI (20212242515202)** who carried out the work under my supervision. Certified further that to the best of my knowledge, the work reported here in does not form part of any other project on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



29/4/23

Signature of the HOD

Dr. Mrs. A. Sudha

Head and Assistant Professor

Department of Mathematics

Wavoo Wajeeha Women's College of

Arts and Science

Kayalpatnam - 628 204



29/4/23

Signature of the Supervisor

Mrs. G. Padma Karthiyayini

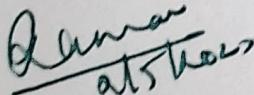
Assistant Professor

Department of Mathematics

Wavoo Wajeeha Women's College of

Arts and Science

Kayalpatnam - 628 204

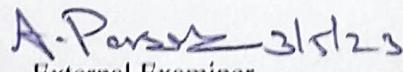


29/4/23

Principal

PRINCIPAL

WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Tiruchendur Road, Kayalpatnam - 628 204,
Thanthiukudi Dist., Tamil Nadu.



31/5/23

External Examiner

DECLARATION

I hereby declare that this project entitled "**A STUDY ON INTERVAL LINEAR ASSIGNMENT PROBLEM**" is a record of the first handwork done by me under the guidance of Mrs. G. PADMA KARTHIYAYINI, M.Sc., M.Phil., Assistant professor, Department of mathematics, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam. No part of this report has been submitted for the award of any other Degree, Diploma or other Titles.

Place: Kayalpatnam

Date: 29-04-2023

V. Boomadevi
Signature of the Candidate

V. BOOMADEVI
(Register No: 20212242515202)

**A STUDY ON THE HARMONIC MEAN LABELING
OF GRAPHS**

A PROJECT

Submitted by

S.MERLIN

(Register No: 20212242515203)

In partial fulfillment of the requirement for the degree of

MASTER OF SCIENCE IN MATHEMATICS

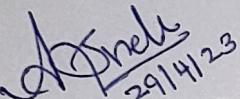


**DEPARTMENT OF MATHEMATICS
WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE
KAYALPATNAM – 628204
MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI-627012
APRIL-2023**

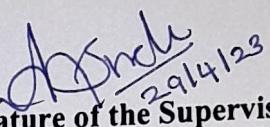
WAVOO WAJEEHA WOMENS'S COLLEGE OF ARTS AND SCIENCE
KAYALPATNAM-628204

BONAFIDE CERTIFICATE

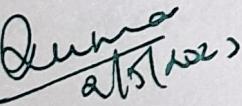
Certified that this project titled "A STUDY ON HARMONIC MEAN LABELING OF GRAPHS" in the bonafide work of S.MERLIN (Reg :20212242515203) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in does not form a part of any other project on the basis of which a degree or award was conferred a earlier occasion on this or any candidate.


Signature of the HOD

Dr. Mrs. A. Sudha
Head and Assistant professor
Department of Mathematics
Wavoo Wajeeha Women's
College of Arts and Science
Kayalpatnam-628204


Signature of the Supervisor

Dr. Mrs. A. Sudha
Head and Assistant professor
Department of Mathematics
Wavoo Wajeeha Women's
College of Arts and Science
Kayalpatnam-628204


Principal


External Examiner

PRINCIPAL
WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Tiruchendur Road, Kayalpatnam-628204.
Thoothukudi Dist., Tamil Nadu.

DECLARATION

I hereby declare that this project entitled "**A STUDY ON HARMONIC MEAN LABELING OF GRAPHS**" is a record of the first hand work done by me under the guidance of **Dr. Mrs. A. SUDHA M.Sc., M.Phil., Ph.D.**, Head of the Department of Mathematics, Wavoo wajeeha women's college of Arts and science, Kayalpatnam. No part of this report has been submitted for the award of any other Degree, Diploma or other Titles.

Place: *Kayalpatnam*
Date: *29.04.2023*

S. Merlin
Signature of the candidate
S.MERLIN
Register No: 20212242515203

A STUDY ON IRREGULAR TOTAL LABELING

A PROJECT

Submitted by ,

M.MUTHU LAKSHMI

(Register No: 20212242515204)

In partial fulfillment of the requirement for the degree of

MASTER OF SCIENCE IN MATHEMATICS



DEPARTMENT OF MATHEMATICS

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628204

MANONMANIAM SUNDARANAR UNIVERSITY

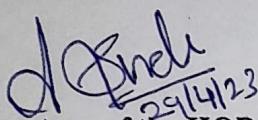
TIRUNELVELI-627012

APRIL-2023

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE
KAYALPATNAM-628204

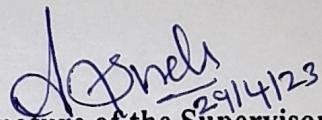
BONAFIDE CERTIFICATE

Certified that this project titled "A STUDY ON IRREGULAR TOTAL LABELING" is the bonafide work of M.MUTHU LAKSHMI (Register No: 20212242515204) who carried out the work under my supervision. Certified further that to the best of my knowledge, the work reported here in does not form a part of any other project on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


Signature of the HOD
29/4/23

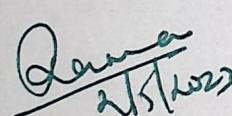
Dr. Mrs. A. Sudha

Head and Assistant professor
Department of Mathematics
Wavoo Wajeeha Women's
College of Arts and Science
Kayalpatnam-628204


Signature of the Supervisor
29/4/23

Dr. Mrs. A. Sudha

Head and Assistant professor
Department of Mathematics
Wavoo Wajeeha Women's
College of Arts and Science
Kayalpatnam-628204

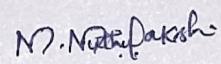

Principal
PRINCIPAL
WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Tiruchendur Road, Kayalpatnam-628 204.
Thoothukudi Dist., Tamil Nadu.


External Examiner
3/5/23

DECLARATION

I hereby declare that this project entitled "**A STUDY ON IRREGULAR TOTAL LABELING**" is a record of the first handwork done by me under the guidance of **Dr.Mrs.A.SUDHA, M.Sc.,M.Phil.,Ph.D.**, Assistant Professor, Department of Mathematics, Wavoo Wajeeha Women's College of Arts and Science , Kayalpatnam. No part of this report has been submitted for the award of any other Degree, Diploma or other Titles.

Place : Kayalpatnam


Signature of the candidate

Date : 29.04.2023

M.MUTHU LAKSHMI

(Register No: 20212242515204)

**A STUDY ON THE CHROMATIC STRONG
DOMINATING SETS OF GRAPHS**

A PROJECT

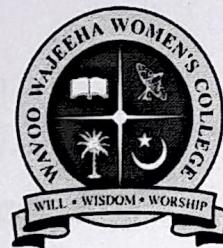
Submitted by

S.MUTHULAKSHMI

(Register No: 20212242515205)

In partial fulfillment of the requirement for the degree of

MASTER OF SCIENCE IN MATHEMATICS



DEPARTMENT OF MATHEMATICS

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628204

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI-627012

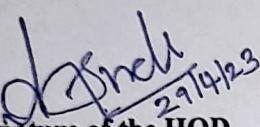
APRIL-2023

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM - 628204

BONAFIDE CERTIFICATE

Certified that this project titled "A STUDY ON THE CHROMATIC STRONG DOMINATING SETS IN GRAPHS" in the bonafide work of S.MUTHULAKSHMI (Reg.: 20212242515205) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in does not form a part of any other project on the basis of which a degree or award was conferred a earlier occasion on this or any other candidate.



29/4/23

Signature of the HOD

Dr. Mrs. A. Sudha

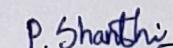
Head and Assistant Professor

Department of Mathematics

Wavoo Wajeeha Women's College

of Arts and Science

Kayalpatnam - 628204



Signature of the Supervisor

Dr. Mrs. P. Shanthi

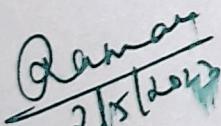
Assistant Professor

Department of Mathematics

Wavoo Wajeeha Women's College

of Arts and Science

Kayalpatnam - 628204



2/5/23

Principal

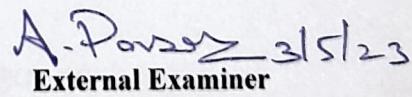
PRINCIPAL

WAVOO WAJEEHA WOMEN'S COLLEGE

OF ARTS AND SCIENCE

Tiruchendur Road, Kayalpatnam - 628 204,

Thoothukudi Dist., Tamil Nadu.



31/5/23

External Examiner

DECLARATION

I hereby declare that this project entitled "**A STUDY ON THE CHROMATIC STRONG DOMINATING SETS IN GRAPHS**" is a record of the first hand work done by me under the guidance of **Dr. Mrs. P. Shanthi M.Sc., M.Phil., Ph.D.**, Assistant Professor, Department of Mathematics, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam. No part of this report has been submitted for the award of any other Degree, Diploma or other Titles.

Place: Kayalpatnam

Date: 29.04.2023

S. Muthulakshmi

Signature of the candidate

S. MUTHULAKSHMI

Register No: 20212242515205

**A STUDY ON ZUMKELLER LABELING OF SOME
GRAPHS**

A PROJECT

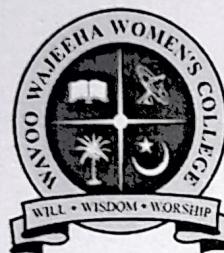
Submitted by

S. SARANYA

(Register No : 20212242515206)

In partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN MATHEMATICS



DEPARTMENT OF MATHEMATICS

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628 204

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI - 627 012

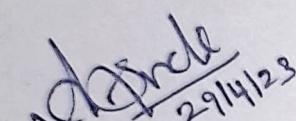
APRIL 2023

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

KAYALPATNAM – 628 204

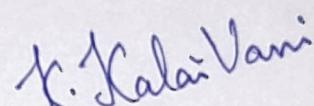
BONAFIDE CERTIFICATE

Certified that this project titled “A STUDY ON ZUMKELER LABELING OF SOME GRAPHS” is the bonafide work of **S.SARANYA** (Register NO : 20212242515206) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other project on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



Dr. A. Sudha
29/4/23

Signature of the HOD



K. Kalai Vani

Signature of the supervisor

Dr. Mrs. A. Sudha

Miss. K. Kalai Vani

Head and Assistant professor

Assistant professor

Department of Mathematics

Department of Mathematics

Wavoo Wajeeha Women's College

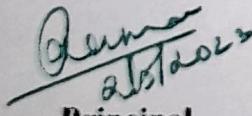
Wavoo Wajeeha Women's College

of Arts and Science

of Arts and Science

Kayalpatnam – 628 204

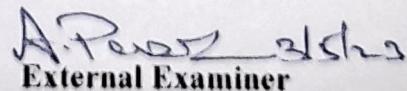
Kayalpatnam – 628 204



Principal
28/3/23

Principal

PRINCIPAL
WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Tiruchendur Road, Kayalpatnam - 628 204.
Theoothukudi Dist., Tamil Nadu.



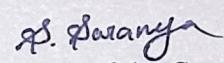
A. Revathy
External Examiner

DECLARATION

I hereby declare that this project **A STUDY ON ZUMKELLER LABELING OF SOME GRAPHS** is a record of the first hand work done by me under the guidance of Assistant Professor **Miss.K. Kalai Vani M.Sc., M.phil.**, the Department of Mathematics, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam. No part of this report has been submitted for the award of any other Degree, Diploma or other Titles.

Place: Kayalpatnam

Date: 29.04.2023


Signature of the Candidate

S. SARANYA

Register No:20212242515206