MYSTERY OF FRACTALS Project Work Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the Requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

By

SUSAN VARGHESE

REG. NO. 200011014852



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN
PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

(2020-2022)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "MYSTERY OF FRACTALS", is a bonafide record of the work done by Miss SUSAN VARGHESE (REG. NO. 200011014852) in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022.

Viva Voce Examination Held On... 26109. 2022.

Project Guide Head of the Department Extern

SILVEY PAUL

Dr. SHALITHA JACOB

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MATHEMATICAL MODELLING

Project work submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree

Of

MASTER DEGREE IN MATHEMATICS

Ву

ASHA SHAJI

Reg. No: 200011014841



DEPARTMENT OF MATHEMATICS

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(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "MATHEMATICAL MODELLING" is a bonafide record of the work done by Miss. ASHA SHAJI (Reg. no:200011014841), in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University during the academic session 2020 - 2022.

Viva Voce Examination held on ... 25, 29, 2022

Shallbe

Project Guide Head of the Department

External Examiner

Separtment of Mathematics to Thoma College for Women PROTEST BEVERT KKI MAS

CPM AND PERT PROJECT MANAGEMENT TECHNIQUES

Project Work Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the Requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

By

ASNAKA

REG. NO. 200011014842



DEPARTMENT OF MATHEMATICS

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(2020-2022)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "CPM AND PERT PROJECT MANAGEMENT TECHNIQUES" is a bonafide record of the work done by Miss ASNA K A, (REG. NO. 200011014842) in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session2020-2022.

Viva Voce Examination Held On. 26/09/2022

Project Guide

Shahlha Head ofthe Department

External

EMILDA SEBASTIAN

SHALITHA JACOB

Thoma College for Women Perumbayeer - 683 542

A STUDY ON TRI TOPOLOGICAL SPACES Project Work Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the Requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

By

JEBNA K JALEEL

REG. NO. 200011014844



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN
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(Affiliated to Mahatma Gandhi University)

(2020-2022)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "A STUDY ON TRI TOPOLOGICAL SPACES", is a bonafide record of the work done by Mrs. JEBNA K JALEEL, (REG. NO. 200011014844) in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022.

Viva Voce Examination Held On.....

Project Guide

Head of the Department

Stral Dep

External

KEERTHY KISHORE A

Dr. Shalitha Jacob

** Parameters of Mainemance

Choma College for Womes

Parameters - \$83.544

DECISION THEORY

Project work submitted to MAHATHMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree

Of

MASTERS DEGREE IN MATHEMATICS

BY

NASREEN K B

Reg No: 200011014845



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR

(Affiliated to Mahathma Gandhi University)

(Affilliated to Mahathma Gandhi University)



CERTIFICATE

This is to certify that the project entitle "DECISION THEORY" is the bonafide record of the work submitted by Miss. NASREEN K.B(Reg. No.200011014845) in partial fulfillment of the requirement for the award of M.Sc MATHEMATICS degree from Mahathma Gandhi University KOTTAYAM during the academic session 2020-2022.

Viva voce examination held on. 26 09 2022

Project guide

Head of the Department

External examiner

espartment of Mathematics

Choma College for Womes

actumesveer. 883 562

SPECTRAL GRAPH THEORY

Project work Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfilment of the requirement for the award of the degree

of

MASTER OF SCIENCE IN MATHEMATICS

By

NAYANA ASOKAN

REG. NO. 200011014846



DEPARTMENT OF MATHEMATICS MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)
2020-2022

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE

This is to certify that the project entitled "SPECTRAL GRAPH THEORY" is the bonafide record of the work done by Miss. Nayana Asokan(Reg. No. 200011014846) in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022.

Viva Voce Examination held on 26/09/2022

Project Guide

Head of the Department

Shulitha

External Examiner

Manual P

Chema College for Women

HYPERGRAPH

Project work submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

SUBMITTED BY
PRAVEENA P S
REG NO.200011014847



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that this project entitled "HYPERGRAPH" is the bonafide record of the work done by Ms. Praveena PS (Reg No: 200011014847) in partial fulfillment of the requirement for the award of M.sc MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022

Viva Voce Examination held on .26/09/2022

- Apply of

Project Guide Dr. Gigi George Shallho Head of the Department

Dr. Shalitha Jacob

External Examiner

GRACEFUL GRAPHS

Project work submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree

of

MASTER OF SCIENCE IN MATHEMATICS

Ву

RAMSEENA PA

REG. NO.200011014848



DEPARTMENT OF MATHEMATICS MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)
2020-2022

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitile "GRACEFUL GRAPHS" is the bonafide record of the work done by Miss. RAMSEENA P A (Reg.No. 200011014848) in partial fulfillment of the requirement for the award of M.Sc MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022.

Viva voce Examination held on .. 26/09/2022

Project Guide

Head of the Department

Thoma College for Womes

External Examiner

COVERING SPACES

Project submitted to

MAHATHMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfilment of the requirements for the award of the Degree of

MASTER OF SCIENCE IN MATHEMATICS

by

SHILPA SHAJI REG.NO:200011014849



DEPARTMENT OF MATHEMATICS MARTHOMA COLLEGE FOR WOMEN PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "COVERINGSPACES", submitted by Mrs. Shilpa Shaji in partial fulfilment of the requirements for the award of M.Sc. Degree in Mathematics during the year 2020-2022.

Shilpa Shaji

Viva Voce Examination held on. 26 09 2022

Project Guide

Gopikrishna S Nair

Head of the Department.

Dr. Shalitha Jacob

Separtment of Mathematics

Thoma College for Womes

Assumbayeer . 883 549

External Examiner

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TRIBONACCI CONVOLUTION TRIANGLE

Project work submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree

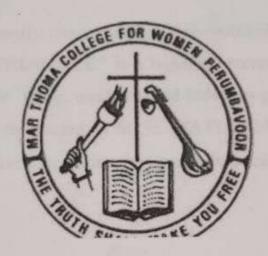
Of

MASTER DEGREE IN MATHEMATICS

By

SOYA JOY

Reg. No: 200011014850



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN

PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "TRIBONACCI CONVOLUTION TRIANGLE" is a bonafide record of the work done by Miss. SOYA JOY (Reg. no:200011014850), in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University during the academic session 2020 - 2022.

Viva Voce Examination held on ...26. 09. 2022.....

Mary

Project Guide

Head of the Department

Separtment of Mathematics

ferumbaveer - 883 548

External Examiner

CENTRALITY MEASURE

Project work submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Ву

SREELAKSHMI T R

REG. NO. 200011014851



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitle "CENTRALITY MEASURE "is the bonafide record of the work done by Miss. SREELAKSHMI T R (Reg.No.200011014851) in partial fulfillment of the requirement for the award of M.Sc. MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022.

Viva Voce Examination held on ... 26 09 2022

Project guide

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Head of the Department

External Examiner

Manage

Thoma College for Women

A study on semigraphs

Project report submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS

SUBMITTED BY

ANJANA VISWAMBHARAN

REG NO. 200011014840



Department of Mathematics

MAR THOMA COLLEGE FOR WOMEN

PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

2020-2022

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitled "A study on Semigraphs" is the bonafied record of original research work done by Ms. ANJANA

VISWAMBHARAN (REG NO; 200011014840) in partial fulfilment of the requirement for the award of MSc MATHEMATICS Degree from Mahatma

Gandhi University, Kottayam during the academic session 2020-2022.

Viva Voice Examination held on .2610912022

Project Guide

Head of the Department

Star Thoma College for Woole-Perumbayeer - \$83.562 External Examiner

LIE ALGEBRAS

Project work submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirements for the award of the degree

of

MASTER SCIENCE IN MATHEMATICS

By

ANJANA RAVEENDRAN

REG. NO. 200011014839



DEPARTMENT OF MATHEMATICS

MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR

(Affiliated to Mahatma Gandhi University)

(Affiliated to Mahatma Gandhi University)



CERTIFICATE

This is to certify that the project entitle "LIE ALGEBRAS" is the bonafide record of the work done by MISS. ANJANA RRVEENDRAN (Reg. NO. 200011014839) in partial fulfillment of the requirement of the award of M.Sc MATHEMATICS Degree from Mahatma Gandhi University, Kottayam during the academic session 2020-2022

Viva Voce Examination held on 26.09/2022.....

Project Guide

Head of the Department

Separtment of Mathematics

Mathematics

Thema College for Worney

Paramisaveer - 683 542

External Examiner