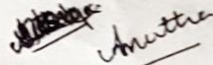
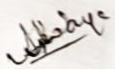


Ms. AMRUTHA PS
DEPARTMENT OF MATHEMATICS ASSISTANT PROFESSOR ON
CONTRACT
PROVIDENCE WOMEN COLLEGE
CALICUT, KERALA, INDIA

CERTIFICATE

This is to certify that the project entitled "A STUDY ON EIGEN VALUES OF GRAPH" Submitted for the award of the M.Sc. degree of the University of Calicut is a record of bonafide work carried out by ANASWARA R under my supervision. No part of this project has been submitted for the award of any degree before.

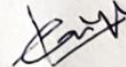

Verified by
Ms. AMRUTHA PS


Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMEN'S COLLEGE
CALICUT, KERALA, INDIA

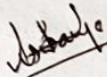
CERTIFICATE

This is to certify that the project entitled "ENERGY OF GRAPHS" Submitted for the award of the M. Sc.degree of University of Calicut is a record of bonafide work carried out by ARCHANA K K under my supervision. No part of this project has been submitted for the award of any degree before.



Ms. PRIYA K

Verified by



Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

CERTIFICATE

This is to certify that this project entitled "TENSOR ANALYSIS" submitted to Providence Women's College Malaparamba, affiliated to the University of Calicut in partial fulfillment of the award of degree of Masters of Science in Mathematics is a bonafide record of the original work done by Ms. ATHULYA DINESH U.M (Reg. No.PWATMNS004) during the period 2019-2021 at Providence Women's College Malaparamba under my supervision and guidance.

Kozhikode
12/08/2021



ARYA.P
Assistant Professor
Supervising teacher

Forwarded by.



AISWARYA PAUL
Head of the department

Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009


Ms. ARYA P
ASSISTANT PROFESSOR ON CONTRACT


DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMEN'S COLLEGE
CALICUT, KERALA, INDIA

CERTIFICATE

This is to certify that the project entitled **UNITARY SPACE** submitted for the award of M.Sc degree of the University of Calicut is a record of bona fide work carried out by DHANA AMINA P P under my supervision. No part of this project has been submitted for the award of any degree before.

Examiner:


Ms. ARYA P

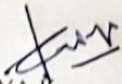

Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College

CERTIFICATE

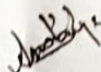
This is to certify that this project entitled "**DIGITAL TOPOLOGY**" submitted to Providence Women's College Malaparamba, affiliated to the University of Calicut in partial fulfillment of the award of degree of Masters of Science in Mathematics is a bonafide record of the original work done by Ms. MANJUSHA C (Reg. No.PWATMMS006) during the period 2019-2021 at Providence Women's College Malaparamba under my supervision and guidance.

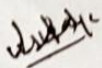
Kozhikode

12/08/2021


PRIYA K
Assistant Professor
Supervising teacher

Forwarded by,


AISWARYA PAUL
Head of the department


Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

Ms. ARYA P
ASSISTANT PROFESSOR ON CONTRACT

DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMENS COLLEGE
CALICUT, KERALA , INDIA

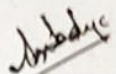
CERTIFICATE

This is to certify that the project entitled "**FUZZY SETS**" Submitted for the award of the M.Sc. degree of the University of Calicut is a record of bonafide work carried out by **MEENAKSHI K P** under my supervision. No part of this project has been submitted for the award of any degree before.



Ms. ARYA P

Verified by


Arswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009



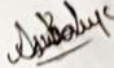
DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMENS COLLEGE
(University of Calicut)

CERTIFICATE

This is to certify that the project report entitled "KNOT THEORY" submitted by Ms. NANDINI SHAJI (Reg. No. PWATMMS008) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Providence Women's College, Malaparamba.

Ms. Priya K
Assistant Professor
GUIDE

Examiner:

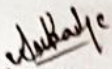

Ms. AISWARYA PAUL
HOD, Mathematics
Providence Womens College

Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

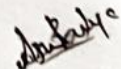
CERTIFICATE

This is to Certify that the project entitled **GRACEFUL LABELLING** submitted to the University of Calicut, in partial fulfilment of the requirement for the award of degree of master of science in Mathematics is a record of work done by **NOORAH FATHIMA TK** during the period 2019-2021 of her study in the Department of Mathematics, Providence women's college, Calicut under my supervision and guidance.

COUNTER SIGNED


~~Handwritten~~
Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

Signature of the guide

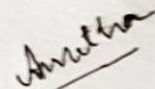

Signature of the HOD

Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMENS COLLEGE
CALICUT, KERALA, INDIA

CERTIFICATE

This is to certify that the project entitled "**Graph Polynomials**" submitted for the award of the M.Sc. degree of the University of Calicut is a record of bona de work carried out by the student: **SHAHADDEEYA (Reg. No: PWATMMS010)** under my supervision. No part of this project has been submitted for the award of any degree before.



Ms. AMRUTHA PS
ASSISTANT PROFESSOR ON CONTRACT



Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMEN'S COLLEGE
MALAPARAMBA

KOZHIKODE - 673009



CERTIFICATE

This is to certify that the dissertation entitled "BILINEAR FORMS" submitted by **Ms. SRUTHI DAS K** (Reg. No. PWATMMS012) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bona fide record of the studies carried out by her under my supervision in the Department of Mathematics, Providence Women's College, Malaparamba. This report has not been submitted anywhere for any other degree of any other University or Board.

Kozhikode

16/04/2021

ARYA P

Assistant Professor

Supervising teacher

Forwarded by,

AISHWARYA PAUL


Head of the department

Aishwarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

CERTIFICATE


This is to certify that this project entitled "BITOPOLOGICAL SPACES" submitted to Providence Women's College Malaparamba, affiliated to the University of Calicut in partial fulfillment of the award of degree of Masters of Science in Mathematics is a bonafide record of the original work done by Ms. SREELAKSHMLC (Reg. No.PWATMNS011) during the period 2019-2021 at Providence Women's College Malaparamba under my supervision and guidance.

Kozhikode
26/04/2021


ARYA.P
Assistant Professor
Supervising teacher

Forwarded by.

AISWARYA PAUL
Head of the department

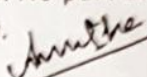

Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

Ms. AMRUTHA PS
ASSISTANT PROFESSOR ON CONTRACT

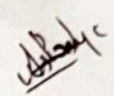
DEPARTMENT OF MATHEMATICS
PROVIDENCE WOMENS COLLEGE
CALICUT, KERALA , INDIA

CERTIFICATE

This is to certify that the project entitled "QUEUEING THEORY" Submitted for the award of the M.Sc. degree of the University of Calicut is a record of bonafide work carried out by THEERTHA ANIL under my supervision. No part of this project has been submitted for the award of any degree before.


Ms. AMRUTHA PS

Verified by


Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009

Department of Mathematics
Providence Womens college
Calicut, Kerala, India

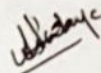
CERTIFICATE

This is to certify that the project entitled " **CONNECTIVE SPACES** " Submitted for the award of the M.Sc. degree of the University of Calicut is a record of bonafide work carried out by **VISMAYA AR** under my supervision.No part of this project has been submitted for the award of any degree before.



Ms. PRIYA K

Verified by



Aiswarya Paul
Assistant Professor
H.O.D of Mathematics
Providence Women's College
Calicut-673009