

CERTIFICATE

This is to certify that the project entitled "FUZZY SET, FUZZY LOGIC AND APPLICATIONS" submitted to faculty of science, university of Calicut in partial fulfillment of the requirement of Bachelor of Science in Mathematics is a bonafide record work done by

UNNI MARIA THOMAS

SHAOSMT020

Under my supervision and guidance during the year 2016-2017



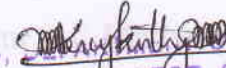
Krishnamol Ravindran

Lecturer

Department of Mathematics

Sacred Heart College

Chalakydy



Rev. Sr. Mercykutty

Head of the Department

Department of Mathematics

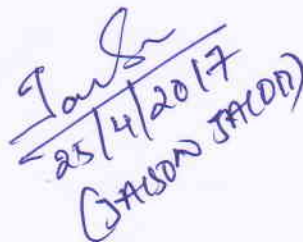
Sacred Heart college

Chalakydy



Chalakydy

Date :31-03-2017


25/4/2017
JASON JACOD

CERTIFICATE

This is to certify that the project entitled "GRAPH THEORY" submitted to faculty of science, university of Calicut in partial fulfillment of the requirement of Bachelor of Science in Mathematics is a bonafide record work done by

ANJU ANTONY

SHAOSMT004

Under my supervision and guidance during the year 2016-2017



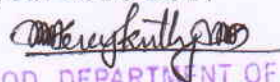
Miss. Maria Jose

Lecturer

Department of Mathematics

Sacred Heart College

Chalakydy


HOD, DEPARTMENT OF MATHEMATICS
S. H. COLLEGE, CHALAKUDY
Rev. Sr. Mercykutty M.M.



Head of the Department

Department of Mathematics

Sacred Heart college

Chalakydy

Chalakydy

Date :31-03-2017

CERTIFICATE

This is to certify that the project entitled "TAYLORS SERIES AND APPLICATIONS" submitted to faculty of science, university of Calicut in partial fulfillment of the requirement of Bachelor of Science in Mathematics is a bonafide record work done by

SONIA ASOKAN

SHAOSMT018

Under my supervision and guidance during the year 2016-2017

Rosmine

Rosmine francis

Lecturer

Department of Mathematics

Sacred Heart College

ChalakyChalaky

Mercykutty

Rev.Sr. Mercykutty

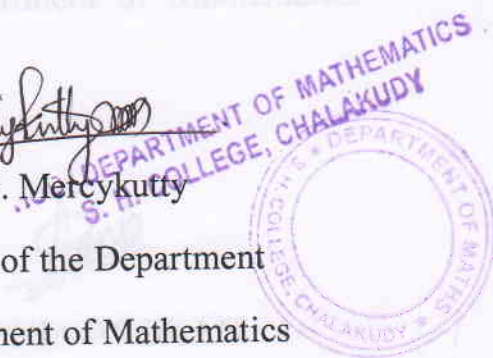
Head of the Department

Department of Mathematics

Sacred Heart college

Chalaky

Date :31-03-2017



CERTIFICATE

This is to certify that the project entitled "A STUDY OF CRYPTOGRAPHY" submitted to faculty of science, university of Calicut in partial fulfillment of the requirement of degree of Bachelor of Science in Mathematics is a bonafide record of work done by

SISMY VARGHESE

REG.NO:SHAOSMT010

Under my supervision and guidance during the year 2016-2017



Rossflower P M

Lecturer

Department of Mathematics

Sacred Heart College
Chalakydy

Chalakydy

Date: 31-3-2017



HOD, DEPARTMENT OF MATHEMATICS
S. H. COLLEGE, CHALAKUDY

Rev. Sr. Mercykutty M M

Head of the Department


Department of Mathematics

Sacred Heart College
Chalakydy



CERTIFICATE

This is to certify that the project entitled "**GROUP ACTION ON SETS**" that is being submitted by **Ms. NIMMY PAUL., Reg No. SHAPSMT017**, in the partial fulfillment of the requirements for the Degree of bachelor of science in mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has been submitted anywhere for any other degree of any other university.


Project Supervisor

Mr. M D Varghese

Associate professor


HOD, DEPARTMENT OF MATHEMATICS
S. H. COLLEGE CHALAKUDY

Head of the Department

Ms. Smitha Davis

Assistant Professor

Place : Chalakudy

Date : 28/03/2018

External examiner :

1. Sherin Jose T.
Assistant professor
St. Joseph's college Irinjalakuda.



CERTIFICATE

This is to certify that the project entitled "GRAPH COLORING" that is being submitted by Ms DELNA DAVIS Reg No. SHAPSMT011, in the partial fulfillment of the requirements for the Degree of Bachelor of science in mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.



Nikhitha
Project Supervisor

Ms. Nikhitha P.B.

Guest lecturer

Place: Chalakudy

Date: 28/03/2018

External examiner:

1. Sherin Jose T
Assistant professor
2. SJ. Joseph's college, Irinjalakuda

HOD, DEPARTMENT OF MATHEMATICS
S. H. COLLEGE, CHALAKUDY

Head of the Department

Ms. Smitha Davis

Associate professor

Shujeev

CERTIFICATE

This is to certify that the project entitled "STUDY OF SOME METRIC ON \mathbb{R}^2 " that is being submitted by Ms ANUPAMA E.P. Reg No. SHAPSMT007, in the partial fulfillment of the requirements for the Degree of Bachelor of science in mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

HOD, DEPARTMENT OF MATHEMATICS
S. H. COLLEGE, CHALAKUDY



Nikhitha
Project Supervisor
Ms. Nikhitha P. B.
Guest lecturer

[Signature]
Head of the Department
Ms. Smitha Davis
Associate professor

Place: Chalakudy

Date: 28/03/2018

External examiner:

1. *Shesin Jose T*
2. *Assistant Professor*
St. Joseph's College, Irinjialakuda

[Signature]

CERTIFICATE

This is to certify that the project entitled "**GAME THEORY**" that is being submitted by Ms. NITHYA SASI, Reg No. SHAPSMT018, in the partial fulfilment of the requirements for the Degree of bachelor of science in mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


Project Supervisor

Ms. Geethu Simon

Guest Lecturer


HOD, DEPARTMENT OF MATHEMATICS
S. H. COLLEGE, CHALAKUDI
Head of the Department

Ms. Smitha Davis

Assistant Professor

Place: Chalakudy

Date : 28/03/2018

External examiner:

1. Sherin Jose T
Assistant professor
St. Joseph's College, Irinjalakuda



CERTIFICATE

This is to certify that the project entitled "TENSORS AND THEIR ALGEBRA" that is being submitted by Ms. ANU DAVIS .K Reg No. SHAQSMT001, in the partial fulfillment of the requirements for the Degree of Bachelor of science in mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.



Project Supervisor

Ms. Jiji Paul A

Guest Lecturer



Head of the Department

Ms. Smitha Davis

Assistant Professor

Place: Chalakudy

Date: 08/04/2019

External examiner :

1.



CERTIFICATE

This is to certify that the project entitled "**KRONECKER PRODUCT AND MATRIX CALCULUS**" that is being submitted by **Ms.SANDRA SANTOSH** Reg No. **SHAQSMT006**, in the partial fulfillment of the requirements for the Degree of master of science in mathematics, to the University of Calicut, is bonafide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


Project Supervisor

Ms. Geethu Simon

Guest Lecturer

Place : Chalakudy

Date : 08/04/2019

External examiner :

1. 



Head of the Department

Ms. Smitha Davis

Assistant Professor

CERTIFICATE

This is to certify that the project entitled "COMBINATORICS" that is being submitted by Ms. DEEPA M R Reg No. SHAQSMT004, in the partial fulfillment of the requirements for the Degree of bachelor of science in mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


Project Supervisor

Ms. Reshma David

Guest Lecturer


Head of the Department

Ms. Smitha Davis

Assistant Professor

Place : Chalakudy

Date : 08/04/2019

External examiner :

1. 


SACRED HEART COLLEGE CHALAKUDY





DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled “LATTICES AND IDEALS” that is being submitted by AMRUTHA PAUL Reg. No: SHARSMT001, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


Asst. Prof. Ms. Smitha Davis
Head of the Department


Ms. Geethu Simon
Project Guide


Magi P.M.

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DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled “**CONSTRUCTION OF REAL NUMBERS USING CAUCHY SEQUENCE**” that is being submitted by **NAVYA WILSON Reg. No. SHARSMT015**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

Ms. Smitha Davis

Assi. Prof. Head of the Department

Mr. RAHUL M. RAJU

Project Guide

Magi P.M.

SACRED HEART COLLEGE CHALAKUDY



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled "**LAPLACIAN ENERGY OF GRAPH**" that is being submitted by **SAJANA SADANANDAN, Reg No. SHARSMT007**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

Ms. Smitha Davis

Asst. Prof. Head of the Department

Ms. Smitha Davis

Project Guide

Ms. P.M.

SACRED HEART COLLEGE CHALAKUDY



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled "RINGS OF POLYNOMIALS" that is being submitted by GAYATHRI MENON Reg. No. SHARSMT012, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

Asst. Prof. Ms. Smitha Davis

Head of the Department

Ms. JIJI PAUL A

Project Guide

Magi P.M.

SACRED HEART COLLEGE CHALAKUDY



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled "**EXTENSION FIELD**" that is being submitted by **CHRISTY SHAJI. Reg. No. SHASSMT007**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

Asst. Prof. Ms. Smitha Davis

Head of the Department


Ms. Anjana Thayyil

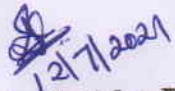
Project Guide




DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled "INTRODUCTION TO TOPOLOGICAL SPACES" that is being submitted by **ASHLY SHAJAN Reg. No. SHASSMT006**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


12/7/2021
Asst. Prof. Ms. Smitha Davis

Head of the Department


12/01/2021
Ms. Athira

Project Guide

SACRED HEART COLLEGE CHALAKUDY



DEPARTMENT OF MATHEMATICS


CERTIFICATE

This is to certify that this project report entitled “FUZZY SET” that is being submitted by **DEVIKA M S, Reg. No. SHASSMT017**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


13/7/2021

Asst. Prof. Ms. Smitha Davis

Head of the Department


12/7/21

Ms. Nima Maria

Project Guide

SACRED HEART COLLEGE CHALAKUDY



DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled **"GRACEFUL LABELING OF GRAPHS"** that is being submitted by **NIGITHA THOMAS Reg. No. SHASSMT011**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.


12/07/2021
Asst. Prof. Ms. Smitha Davis

Head of the Department


12/07/2021
Ms. Smitha Davis

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