

CERTIFICATE

This is to certify that the project titled "ESTIMATION OF THE OUTBREAK OF UNIVERSAL PANDEMICS" submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bona fide record of original project work done by Ms.SIMI MARIA K S &Ms.VIBHA M M, during their study in the Department of Mathematics, Providence Women's College, Calicut -09, under my supervision and guidance.

Aiswarya Paul

Ms. AISWARYA PAUL

PROJECT GUIDE

Assistant Professor

Department of Mathematics

Aiswarya Paul

HEAD OF THE DEPARTMENT

Ms. Aiswarya Paul

CERTIFICATE

This is to certify that the project titled " FRACTAL GEOMETRY " submitted to Calicut university in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is bonafide record of original project work done by Ms.RIYA THOMAS, Ms.SANDRA PAUL, Ms.SEETHALAKSHMI M during their study in the Department of Mathematics, Providence Women's College, Calicut - 09 under my supervision and guidance.

A.P. Paul

Smt. AISWARYA PAUL

Project Guide

Assistant Professor

Department of Mathematics

A.P. Paul

Head of the Department

Smt. AISWARYA PAUL

CERTIFICATE

This is to certify that the project titled "INTRODUCTION TO AUTOMATA THEORY" submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of the original project work done by LEONA SHEEN, LILLY JAMES, RESHMA XAVIER during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

Aiswarya

Mrs. AISWARYA PAUL

ASSISTANT PROFESSOR

DEPARTMENT OF MATHEMATICS

Aiswarya

HEAD OF THE DEPARTMENT

MRS. AISWARYA PAUL

CERTIFICATE

This is to certify that the project titled “ **RINGS OF POLYNOMIALS AND IT'S PROPERTIES** ” submitted to Calicut University in partial fulfillment of the requirements of **BACHELOR OF SCIENCE** in **MATHEMATICS** is a bonafide record of original project work done by Ms. DILSHA B K , Ms. FATHIMA THASNEEM K S , Ms. K ANGEL RYNA ROGERS during their study in Department of Mathematics , Providence Women's College , Calicut - 09 , under my supervision and guidance.

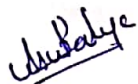


Ms. AISWARYA PAUL

PROJECT GUIDE

ASSISTANT PROFESSOR

DEPARTMENT OF MATHEMATICS



HEAD OF THE DEPARTMENT

Ms. AISWARYA PAUL

CERTIFICATE

This is to declare that the project titled "TOPOLOGICAL SPACES" submitted to Calicut University in partial fulfilment of the requirements for the award of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project work done by

Ms. BHAVYA PRIYA V, Ms .CHANGEL JACOB, Ms. C P SHRAVNA

during their period of study in Department of Mathematics, Providence Women's College, Calicut -09, under my supervision and guidance.

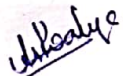


Ms. AISWARYA PAUL

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Assistant Professor

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HEAD OF THE DEPARTMENT

Ms. AISWARYA PAUL

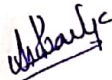
CERTIFICATE

This is to certify that the project titled "FUZZY SETS" submitted to Calicut university in partial fulfillment of the requirements of **BACHELOR OF SCIENCE** in **MATHEMATICS** is a bonafide record of original project work done by Ms. ASWATHI.K, Ms. ASWATHI KRISHNA.K, Ms. ATHIRA.N.S during their study in the department of mathematics, providence women's college, Calicut -09 under my super vision and guidance.



HEAD OF THE DEPARTMENT

Ms. Aiswarya paul



Ms. AISWARYA PAUL

PROJECT GUIDE

Assistant professor

Department of mathematics

CERTIFICATE

This is to certify that the project titled "LEBESGUE INTEGRAL" submitted to Calicut university in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is bonafide record of original project work done by them during their study in the Department of Mathematics, Providence Women's College, Calicut - 09 under my supervision and guidance.

A.P. Paul

Smt. AISWARYA PAUL

PROJECT GUIDE

Associate professor

Department of Mathematics

A.P. Paul

Smt. AISWARYA PAUL

Head of the Department

CERTIFICATE

This is to certify the project titled GRAPH COLORING submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. SREELAKSHMI S, Ms. VRINDA P and Ms. AMRUTHA MV during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

Aiswarya

Mrs. AISWARYA PAUL
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Assistant Professor
Department of Mathematics

Aiswarya

HEAD OF DEPARTMENT

Mrs. Aiswarya Paul

CERTIFICATE

This is to certify that the project titled "APPLICATIONS OF GRAPH THEORY" submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of the original project work done by JINJU P, JOSNA K J, LISAT KM during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

Aiswarya Paul

Mrs. AISWARYA PAUL

ASSISTANT PROFESSOR

DEPARTMENT OF MATHEMATICS

Aiswarya Paul

HEAD OF THE DEPARTMENT

MRS. AISWARYA PAUL

CERTIFICATE

This is to declare that the project titled "STUDY OF MULTISETS" submitted to Calicut University in partial fulfillment of the requirements for the award of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project work done by Ms. ATHULYA K P, Ms. HRIDYA P, Ms. JAINISHA B P during their period of study in Department of Mathematics, Providence Women's College, Calicut -09, under my supervision and guidance.

Aiswarya

Smt. AISWARYA PAUL

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Aiswarya

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Smt. AISWARYA PAUL

CERTIFICATE

This is to declare that the project titled "CONFORMAL MAPPING" submitted to Calicut University in partial fulfillment of the requirements for the award of **BACHELOR OF SCIENCE** in **MATHEMATICS** is a bonafide record of original project work done by **Ms. ANUGRAHA K V, Ms. ARCHANA V P, Ms. ARUNIMA ANEESH** during their period of study in Department of Mathematics, Providence Women's College, Calicut -09, under my supervision and guidance.

Aiswarya Paul
Smt. AISWARYA PAUL

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Assistant Professor

Department of Mathematics

Aiswarya Paul
HEAD OF THE DEPARTMENT

Smt. AISWARYA PAUL

CERTIFICATE

This is to declare that the project titled "PAGERANK ALGORITHM" submitted to Calicut University in partial fulfillment of the requirements for the award of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project work done by Ms. HIBATHULLA SIDDIQUE, Ms. ALEENA K, Ms. ANAGHA M during their period of study in the Department of Mathematics, Providence Women's College, Calicut -09, under my supervision and guidance.

Aiswarya Paul

Ms. AISWARYA PAUL

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DEPARTMENT OF MATHEMATICS

Aiswarya Paul

HEAD OF THE DEPARTMENT

Ms. AISWARYA PAUL

CERTIFICATE

This is to certify that the project titled "INNER PRODUCT SPACE" submitted to Calicut University in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bona fide record of original project work done by Ms. ALEENA MANOJ, Ms. NANDANA DAS P and Ms. SANDRA T during their study in the Department of Mathematics, Providence Women's College, Calicut -09, under my supervision and guidance.

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