

MATHEMATICS IN MACHINE LEARNING

PROJECT REPORT SUBMITTED TO
UNIVERSITY OF CALICUT

BY

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DEPARTMENT OF MATHEMATICS
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CALICUT 673009

2019-2022

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This is to certify the project titled MATHEMATICS IN MACHINE LEARNING 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. AADIYA N S, Ms. ABHIJAYA V V and Ms. ADITHYA MANI P during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

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Ms. Aiswarya Paul

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Department of Mathematics

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QUOTIENT GROUPS

PROJECT REPORT SUBMITTED TO

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This is to certify the project titled QUOTIENT GROUPS submitted to Calicut university in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by AKSHARA VISWANATH C, ANAGHA P and AQUILINE DORRY STEPHEN during their study in Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

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FUZZY GRAPH

PROJECT REPORT SUBMITTED TO

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This is to certify the project titled FUZZY GRAPH submitted to Calicut University in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. ARUNIMA K P, FATHIMA AFZAL T V, KRISHNA CHANDRASEKHARAN during their study in the Department of Mathematics Providence Women's college, Calicut-09, under my supervision and guidance.



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CRYPTOGRAPHY

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This is to certify the project titled CRYPTOGRAPHY submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bona fide record of original project done by Ms. MARYLEINE JAMES, Ms. NEEHA FATHIMA, Ms. BEEVI MUNDHIRA during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance

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METRIC SPACE

PROJECT REPORT SUBMITTED TO
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This is to certify that the project titled METRIC SPACE submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. SHANITHA DILNA K M, Ms. ANJANA P., Ms. ARATHI KRISHNA N. during the study in the Department of Mathematics, Providence Women's College, Calicut - 673 009 under my supervision and guidance.

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MORPHOLOGICAL IMAGE PROCESSING

Project report submitted to

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This is to certify the project titled MORPHOLOGICAL IMAGE PROCESSING 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. ARCHANA. V. P, Ms. ARYA MANOHAR A, Ms. CHAITHRA. P during the study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

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CALCULUS OF VARIATIONS

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This is to certify that the project titled CALCULUS OF VARIATIONS submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. HIBA N M, Ms. MEGNA K, Ms. MINHA P during the study in the Department of Mathematics, Providence Women's College, Calicut - 673009 under my supervision and guidance.

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GRAPH COLOURING

Project report submitted to

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This is to certify that the project titled GRAPH COLOURING submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. NAFEDA SHAREN CK, Ms. NANDANA S., Ms. NANNA SANIYA M. During the study in the Department of Mathematics, Providence Women's College, Calicut – 673 009 under my supervision and guidance.



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INTRODUCTION TO QUEUE

PROJECT REPORT SUBMITTED TO

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This is to certify that the project titled INTRODUCTION TO QUEUE submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. SANDRA DAS K, Ms. SREELAKSHMI S S, Ms. ABHIRAMI K. during the study in the Department of Mathematics, Providence Women's College, Calicut - 673 009 under my supervision and guidance.

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SOFT SET THEORY

PROJECT REPORT SUBMITTED TO
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CALICUT 673009
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This is to certify the project titled SOFT SET THEORY 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. AMRUTHA .T, Ms. ANAGHA . K and Ms. ANEENA . K during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

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MATHEMATICAL ANALYSIS OF COVID 19 EPIDEMIC MODEL

PROJECT REPORT SUBMITTED TO
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This is to certify the project titled MATHEMATICAL MODELLING OF COVID 19 EPIDEMIC MODEL 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. NIKETHA MOHAN, MS. ANITA PERERA, Ms. ARATHI BABU during her study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

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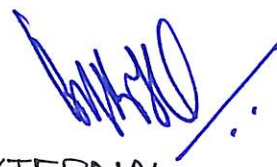
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1. EQUATIONS THAT CHANGED THE WORLD

PROJECT REPORT SUBMITTED TO
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MATHEMATICS AND VOTING

PROJECT REPORT SUBMITTED TO

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This is to certify the project titled MATHEMATICS AND VOTING submitted to Calicut University in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonifide record of original project done by Ms. P SNEHA SANKAR, Ms. SANA M UMMER and Ms. SIGNA V during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.



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FOURIER TRANSFORM

**PROJECT REPORT SUBMITTED TO
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BY

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This is to certify the project titled FOURIER TRANSFORM 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 Miss. SREESHMA P and Miss. SWATHI B.S during their study in the department of mathematics, providence women's college, Calicut-09 under my supervision and guidance.

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