



ST. JOHN'S
COLLEGE, ANCHAL

Affiliated to the University of Kerala
Re-accredited with A Grade by NAAC
Recognised for STAR College by DBT, Govt. of India

LET YOUR
LIGHT
SHINE BEFORE
MEN

BSc MATHEMATICS

 P.B. No.3,
Mar Gregorios Nagar,
Anchal P.O., Kollam,
Kerala - 691 306

Off: 0475-2966973 | Fax: 0475-2275326 
info@stjohns.ac.in | principal@stjohns.ac.in 
www.stjohns.ac.in 

370/24

APPLICATIONS OF DERIVATIVES

*Project work carried out for partial fulfillment of the requirement for the
First Degree Programme in Mathematics of*

University of Kerala

by

CHAITHRA M L : 220-21138004
AKHILA MURALI : 220-21138010
DEVIKA R : 220-21138018
KRIPA K P : 220-21138021



Sixth Semester BSc Mathematics, St. John's College Anchal, Kollam.

May, 2024

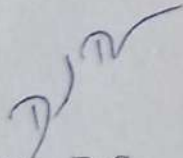
St. Johns's College, Anchal, Kollam

CERTIFICATE

Place: Anchal

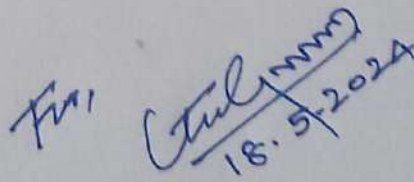
Date: 13 May 2024

I hereby certify that this project entitled "Applications of Derivatives" is a project work carried out by Chaithra M L, Akhila Murali, Devika R and Kripa K P under my supervision in partial fulfillment of the requirement for the First Degree Programme in Mathematics of the University of Kerala and that no part of this work has been submitted for the award of any Degree.


Dr. Dilip D S

Head of the Department

Department of Mathematics


Dr. Smitha Mary Mathew

Supervising Teacher

267/24

ARITHMETICAL FUNCTIONS AND DIRICHLET MULTIPLICATION

*Project work carried out for partial fulfillment of the requirement for the
First Degree Programme in Mathematics of*

University of Kerala

by

Bismi Farsana	:	22021138003
Aiswarya S	:	22021138009
Anzif S Shihab	:	22021138015
Abhimanyu Uday	:	22021138030



Sixth Semester BSc Mathematics, St. John's College Anchal, Kollam.

May, 2024

St.John's College Anchal, Kollam

CERTIFICATE

I hereby certify that this project entitled "ARITHMETICAL FUNCTIONS AND DIRICHLET MULTIPLICATION" is a project work carried out by Bismi Farsana, Aiswarya S, Anzif S Shihab and Abhimanyu Uday under my supervision in partial fulfillment of the requirement for the First Degree Programme in Mathematics of the University of Kerala and that no part of this work has been submitted for the award of any Degree.

Dr Dilip D S

Head of the department

Department of Mathematics

Place: Anchal

Date:13/05/2024

Dr Limna Raj B P

Supervising Teacher

373/24

A Study On Fuzzy Relations

Project carried out for partial fulfillment of the requirement for the first degree
programme in mathematics of



University of Kerala

By

Vishnu Raj R : 22021138029

Anjaly R : 22021138012

Johncy Johnsan : 22021138020

Sruthy S B : 22021138007



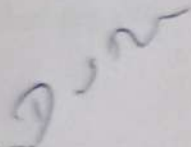
SIXTH SEMESTER BSc MATHEMATICS,

ST. JOHN'S COLLEGE ANCHAL, KOLLAM.

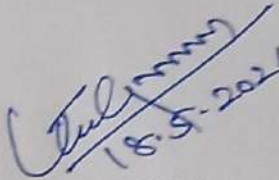
May 2024

CERTIFICATE

I hereby declare that the dissertation entitled "A Study On Fuzzy Relations" is a bonafide record of works carried out by Vishnu Raj.R, Anjaly R, Johncy Johnson and Strathy S B, at the Department of Mathematics under my guidance and supervision in partial fulfilment of the requirements for the First degree Programme in Mathematics of the University of Kerala and that no part of this project has been submitted for the award of any degree.


Dr.D S Dilip

Head of the Department
Department of Mathematics.


18.5.2024

Dr Sibi C Babu
Supervising Teacher
Department of Mathematics.




St. John's College, Anchal, Kollam

CERTIFICATE

Place : Anchal

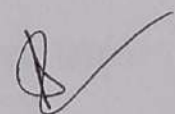
Date : 14 May 2024

I hereby declare that the dissertation entitled "**Game Theory**" is a bonafide record of works carried out by Anju Ajikumar, Anusha Krishna AU, Athira Krishnan UB and Avya Babu, at the Department of Mathematics under my guidance and supervision in partial fulfilment of the requirements for the First degree Programme in Mathematics of the University of Kerala and that no part of this project has been submitted for the award of any degree.


Dr.D S Dilip

Head of the Department

Department of Mathematics.


Dr Tony Philip

Supervising Teacher.



GAME THEORY

Project carried out for partial fulfillment of the requirement for the first degree
programme in mathematics of



University of Kerala

By

Anju Ajikumar : 22021138013

Anusha Krishna AU : 22021138014

Athira Krishnan U B : 22021138016

Avya Babu : 22021138017



SIXTH SEMESTER BSc MATHEMATICS,
ST. JOHN'S COLLEGE ANCHAL, KOLLAM.

May 2024

27/2/24

A STUDY ON GRAPH COLOURING TECHNIQUES AND REAL-WORLD APPLICATIONS

*Project work carried out for partial fulfilment of the requirement for the
First Degree Programme in Mathematics of
University of Kerala
by*

- AMAL KRISHNAN.M.S : 220-21138001
- LEKSHMI RAJ : 220-21138023
- NANDANA SREEKUMAR : 220-21138024
- SIMLP.SAJI : 220-21138028
- ALBIN.V.JACOB : 220-21138031



Sixth Semester BSc Mathematics, St John's College Anchal, Kollam.

May, 2024

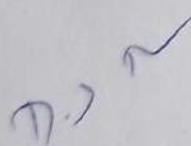
St.John's College, Anchal, Kollam

CERTIFICATE

Place : Anchal


Date : 14 May 2024

I hereby certify that this project entitled " A Study on Graph Colouring Techniques and Real World Applications" is a project work carried out by Amal Krishnan .M.S , Lekshmi Raj, Nandana Sreekumar, Simi.P.Saji and Albin.V.Jacob under my supervision in partial fulfillment of the requirements for the First Degree Programme in Mathematics of the University of Kerala and that no part of this work has been submitted for the award of any Degree.


Dr.Dilip.D.S

Head of the Department

Department of Mathematics


Dr.Sunitha Grace Zacharia

Supervising Teacher

INTERPOLATION TECHNIQUES

*Project work carried out for partial fulfillment of the requirement for the
First Degree Programme in Mathematics of*

University of Kerala

by

ANANDHU P S : 220-21138002
DEVIKRISHNA B R : 220-21138019
SHAMEENA MOL : 220-21138026
ASWANDH A : 220-21138032



Sixth Semester BSc. Mathematics, St. John's College, Anchal, Kollam.

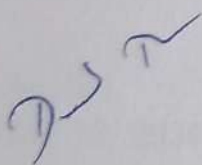
April, 2024

St. John's College, Anchal, Kollam

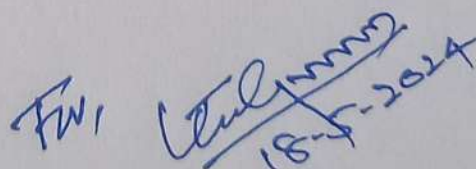
CERTIFICATE

Place : Anchal
Date : May 13, 2024

I hereby certify that this project entitled "Interpolation Techniques" is a project work carried out by Anandhu P S, Devikrishna B R, Shameena Mol and Aswadh A under my supervision in partial fulfillment of the requirement for the First Degree Programme in Mathematics of the University of Kerala and that no part of this work has been submitted for the award of any Degree.



Dr Dilip D S
Head of the Department
Department of Mathematics



Dr Dhanya Ramachandran
Supervising Teacher
Assistant Professor
Department of Mathematics

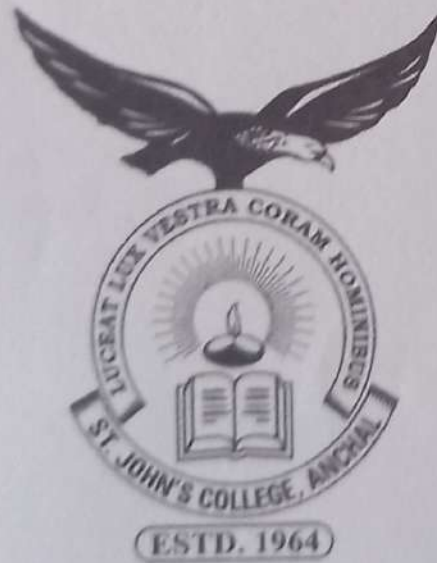
MATHEMATICS OF ARTIFICIAL INTELLIGENCE

*Project work carried out for partial fulfillment of the requirement for the
First Degree Programme in Mathematics of*

University of Kerala

by

AFSANA S : 220-21138008
ANANDU A : 220-21138011
KRISHNA ANIL : 220-21138022
SHERIN R : 220-21138027



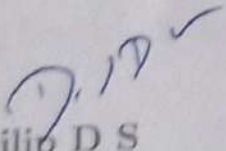
Sixth Semester BSc. Mathematics, St. John's College, Anchal, Kollam.

April, 2024

St. John's College, Anchal, Kollam

CERTIFICATE

I hereby certify that this project entitled "**Mathematics of Artificial Intelligence**" is a project work carried out by Afsana S, Anandu A, Krishna Anil and Sherin R under my supervision in partial fulfillment of the requirement for the First Degree Programme in Mathematics of the University of Kerala and that no part of this work has been submitted for the award of any Degree.


Dr Dilip D S
Supervising Teacher
Head of the Department
Department of Mathematics