

GOVERNMENT COLLEGE KASARAGOD

VIDYANAGAR, KASARAGOD, KERALA, 671123www.gck.ac.in



NAAC 3RD CYCLE ACCREDITATION

PROJECT WORK
DEPARTMENT OF MATHEMATICS

Government College Kasaragod Department of Mathematics



Project Work 2022-2023

- PAGE 1 OF 7

Contents (Click to Access the Page)

1. <u>DEPARTMENT OF MATHEMATICS</u>

- 1. <u>List of PG Students who undertaken project work during 2022-23.</u>
- 2. Front page and Certificate of PG project work done during 2022-23.
- 3. <u>List of UG Students who undertaken project work during 2022-23.</u>
- 4. Front page and Certificate of UG project work done during 2022-23.

- PAGE 2 OF 7

1. Department of Mathematics

List of PG Students who undertaken project work during 2022-23.

| Sl No | Reg No. | NAME |
|-------|------------|-----------------------|
| | | |
| 1 | C1PSMM1101 | MRUDUL P P |
| 2 | C1PSMM1102 | NISHANTH N M |
| 3 | C1PSMM1103 | ANJU C S |
| 4 | C1PSMM1104 | ANUSHREE B |
| 5 | C1PSMM1105 | ANUSRI RAMACHANDRAN |
| 6 | C1PSMM1106 | APARNA C V |
| 7 | C1PSMM1107 | ATHIRA C |
| 8 | C1PSMM1108 | ATHIRA K |
| 9 | C1PSMM1109 | AYSHATH HASEENA |
| 10 | C1PSMM1110 | AYSHATH MAHSHEENA C M |
| 11 | C1PSMM1111 | HARSHITHA J |
| 12 | C1PSMM1112 | KRITHIKA D |
| 13 | C1PSMM1113 | MEGHA M |
| 14 | C1PSMM1114 | MUNJIDA M |
| 15 | C1PSMM1115 | NAVITHA P V |
| 16 | C1PSMM1116 | NIMMYA CHANDRAN |
| 17 | C1PSMM1117 | NITHYA CHANDRAN |
| 18 | C1PSMM1118 | THEJASWI G |



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L



PAGE 3 OF 7

Project front pages and Certificates

The following pages contains scanned copy of front pages of project works done by MSc Mathematics Students of Government College Kasaragod, submitted to Kannur University in partial fulfilment of the award of Degree of Master of Science in Mathematics during 2022-2023.

PAGE 4 OF 7

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (PO), KASARAGOD

(Affiliated to Kannor University)

ALGEBRAIC GRAPH THEORY

A project report submitted to Kannur University

By

MRUDUL P P
Reg No: C1PSMM1101

In partial fulfillment of the award of

Degree of Master of Science in Mathematics

during



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL ENTERNMENT COLLEGE KASARAGOF

BONAFIDE CERTIFICATE

Certified that this project report "ALGEBRAIC GRAPH THEORY" is the bouafide work of " MRUDUL P P " who carried out the project work under my supervision.

SCHOOL STREET COLLEGE MASAR Head of the Department

DEPARTMENT OF MATHEMATICS SOVERNMENT COLLEGE VASARAGOD

Submitted for examination held on

Register Number: C1PSMM1101

Internal Examiner

1 Mayer P.V. Co

ARUNKUMAR R

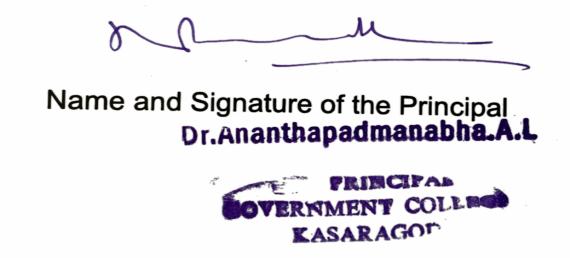
Department of Margemetics

Government College Kasaragod

Assistant Professor

PEN: 708260





DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD (Affiliated to Kannur University)

ISOMETRY OF R"

A Project report submitted to Kannur University

By

NISHANTH N.M Register Number: C1PSMM1102

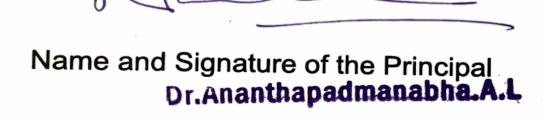
In partial fulfillment of the award of

Degree of Master of Science in

Mathematics

during 2021-2023





FRINCIPAL EASARAGOT

BONAFIDE CERTIFICATE

Certified that this project report " ISOMETRY OF R" " is the bonafide work of "NISHANTH N.M" who carried out the project work under my supervision.

Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF MATREMATICS
DEPARTMENT COLLEGE CASARAGOS



Supervisor

SAHARIYA

Assistant Professor

Department of Mathematics

Sovt.College Vidyanagar P.o.Kasaragod-67(123)

Submitted for examination held on

Register Number: CIPSMM1102

1

Internal Examiner:



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

PRINCIPAL LASARAGOT

KASARAGOT

2. Aswathi-K. Stowath.

2. Aswathi-K. Stowath.

20106 23

External Examinater ANT PROFESSOR

DEPARTMENT OF MATHEMATICAL PROPERTY.

DEPARTMENT OF M

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD

(Affiliated to Kannur University)

FUZZY GRAPH THEORY

A Project report submitted to Kannur University

Ву

C1PSMM1103

In partial fulfillment of the award of

Degree of Master of Science in Mathematics

during

2021-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.



BONAFIDE CERTIFICATE

Certified that this project report FUZZY GRAPH THEORY is the bonafide work of ANJU C S who carried out the project work under my supervision.

| 200 | CAMP MANA | 7.57 335 | |
|------|-----------|----------|------|
| Head | of the | Departr | ment |

BEAD OF THE DEPARTMENT BEPARTHENT OF MATHEMATICS



Supervisor P PRASANTH

Supervisor P Professor

Dr. Assi Mathematics

Dept of Mathematics

Govi College Dt. 67/1123

Kasaragod Dt. 67/1123

Submitted for examination held on

Register Number:

Internal Examiner

De la lacolation de lacolation de lacolation de lacolation de la lacolation de lacolation de lacolation de la lacolation de lacolation de lacolation de lacolation de lacolation de la lacolation de lacolation de lacolation de lacolation de la lacolation de lacolation de

FRINCIPAL ENT COLLEGE KASARAGOT

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

Externa DEMANNATOR MATHEMAN

1 Maya P.V

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR(PO), KASARAGOD Affiliated to Kannur University

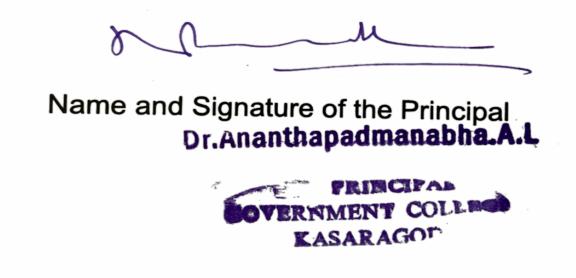
COMMUTATIVE BANACH ALGEBRA

A project report submitted to Kannur University By

ANUSHREE B. C1PSMM1104

In partial fulfillment of the award of Degree of Master of Science in Mathematics during 2021-23





BONAFIDE CERTIFICATE

Certified that this project report "COMMUTATIVE BANACH ALGEBRA" is the bonafide work of "ANUSHREE B." who carried out the project work under my supervision.

WINDSHIT COLLEGE AND

DATE 31.03:23

Head of the Department

GEPARTMENT OF MATRIMATICS

Submitted for examination held on...

Supervisor 31/2023

AYISHATH FASNA T.P.

Assistant Professor, Dept. of Mathematics Government College Kasaragod P.O. Vidyanagar - 671 123

Register Number: C1PSMM1104

Internal Examiner

1 Maya. P. V. Com

2 Aswathi Kally

ASSISTANT PROPESSOR
External Examine DEPARTMENT OF MATHEMATIC





DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD (Affiliated to Kannur University)

NETS AND FILTERS

A Project report submitted to Kannur University

By

ANUSRI RAMACHANDRAN Reg. No: C1PSMM1105

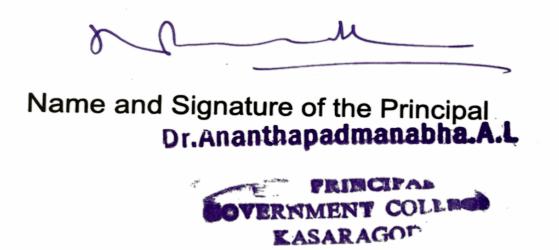
In partial fulfillment of the award of

Degree of Master of Science in

Mathematics

during 2021-2023





BONAFIDE CERTIFICATE

Certified that this project report entitled "NETS AND FILTERS" is the bonafide work of Ms. ANUSRI RAMACHANDRAN who carried out the project work under my supervision.

Head of the Department
BEAD OF THE DEPARTMENT
SEPARTMENT OF PULTUE MATERIA



Supervisor

ARUNKUMAR R
Assistant Professor
Department of Mathematics
Government College Kasaragod
PEN: 708260

Submitted for examination held on

Register Number: C1PSMM1105

Internal Examiner

Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

FRINCIPAL EGVERNMENT COLLEGE KASARAGOT Mays. P.V. Colon

Aswathi to Jan 874

External Examplement of Mathematical College Residence of the College R

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (PO), KASARAGOD (Affiliated to Kannur University)

NOETHERIAN AND ARTINIAN RINGS

A Project report submitted to Kannur University

By

APARNA C.V.

Register Number: CIPSMM1106

In partial fulfillment of the award of

Degree of Master of Science in

Mathematics

during

2021-2023





BONAFIDE CERTIFICATE

Certified that this project report "NOETHERIAN AND ARTINIAN RINGS" is the bonafide work of "APARNA C.V." who carried out the project work under my supervision.

Head of the Department

DEPARTMENT OF MATHEMATICS DEVENIENCE LIFE CALLS SEE

DATE 31:03:10

AYISHATH FASNA T.P.

Assistant Professor, Dept. of Mathematics Government College Kasaragod P.O.Vidyanagar - 671 123

Submitted for examination held on

Register Number : CIPSMM1106

InternalExaminer

 χ 0 χ

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EASARAGOT 1 Maya. P.V. Com.
2 Aswathi. K. Stork ATOL
2 Aswathi. K. Stork ATOL
2 Aswathi. K. Stork M. 2100 May M.

ExternalExample

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD.

(Affiliated to Kannur University)

FRAMES IN HILBERT SPACES

A project report submitted to Kannur
University

By

ATHIRA C. C1PSMM1107

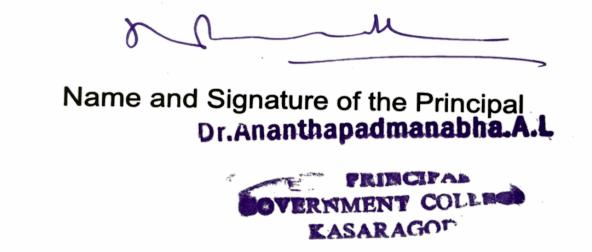
In partial fulfillment of the award of

Master of Science Degree in Mathematics

during

2021-23.





Kannur University

BONAFIDE CERTIFICATE

Certified that this project report FRAMES IN HILBERT SPACES is the boundide work of ATHIRA C who carried out the project work under my supervision.

Head of the Department

MEAD OF THE DEPARTMENT DEPARTMENT OF MATHEMATICS SOVERNMENT CHIEFES MATERIA OBTE MASARADO

Supervisor

Submitted for examination held on

Register Number : C1PSMM1107

Committee of the Commit

Internal Examiner

AYISHATH FASNA T.P.

PEN: 712232
Saistant Professor, Dept. of Mathematics
Government College Kasaragod
P.O.Vidyanagar - 671 123

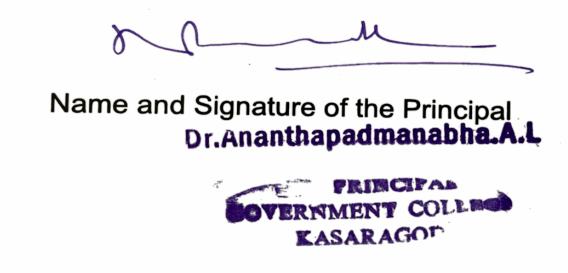
2 Aswathik Streth

External Examiners

ASSISTANT PROFESSION
DEPARTMENT OF MATHEMATIC
PANYANUR COLLEGE, PANYAND



1



DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P.O.), KASARAGOD

(Affiliated to Kannur University)

TOPOLOGICAL VECTOR SPACES

A Project report submitted to Kannur University

By

ATHIRA K.

Register Number: C1PSMM1108

In partial fulfillment of the award of

Degree of Master of Science in

Mathematics

during 2021-2023



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

PRINCIPAL COLUMN KASARAGOT

BONAFIDE CERTIFICATE

Certified that this project report "TOPOLOGICAL VECTOR SPACES" is the bonafide work of "ATHIRA K." who carried out the project work under my supervision.

Head of the Department

MEAD DE THE DEPARTMENT DEPARTMENT DE MAYREMATICS DEVERNHENT COLLEGE GASARESON DATE 31: 03: 23 E

AYISHATH FASNA T.P.

Assistant Professor, Dept. of Mathematics Government College Kasaragod P.O.Vidyanagar - 671 123

Submitted for examination held on

Register Number: CIPSMM1108

Internal Examiner

Name and Sig

Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

KASARAGOT

2 Aswathirk Jour

1 Mayer PV.

External bernstylest of Mathematics

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P.O), KASARAGOD

(Affiliated to Kannur University)

FRAMES IN FINITE DIMENSIONAL INNER PRODUCT SPACE

A Project report submitted to Kannur University

By

AYSHATH HASEENA C1PSMM1109

In partial fulfillment of the award of

Degree of Master of Science in Mathematics

> during 2021-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EOVERNMENT COLLEGE KASARAGOT

BONAFIDE CERTIFICATE

Certified that this project report "FRAMES IN FINITE DIMENSIONAL INNER PRODUCT SPACE" is the bonafide work of "AYSHATH HASEENA" who carried out the project work under my supervision.

Head of the Department

DEPARTMENT OF MATREMATICS COVERNMENT COLLEGE LALANSING Supervisor

Dr. P. PRASANTH
Asst Professor
Dept.or Wathematics
Govt College, Kasaragod
Kasaragod Dt -671123

Submitted for examination held on

Register Number: C1PSMM1109

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EOVERNMENT COLLEGE KASARAGOT

2. Aswathirk Street 102

External Examination College Persons

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD (Affiliated to Kannur University)

LIE ALGEBRA

A Project report submitted to Kannur University

By

AYSHATH MAHSHEENA C M C1PSMM1110

In partial fulfillment of the award of

Degree of Master of Science in

durino

2021-2023

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EASARAGOT



BONAFIDE CERTIFICATE

Certified that this project report "LIE ALGEBRA" is the bonafide work of "AYSHATH MAHSHEENA C M" who carried out the project work under my supervision.

Head of the Department HEAD OF THE DEPARTMENT

DEPARTMENT OF MATHEMATICS DOTEMBERT COLLEGE GERRALDON



Supervisor

SAHARIYA

Assistant Professor Department of Mathematics Govt.Cellegs Vioyanagar P.o.Kasaragad-6

Submitted for examination held on

Register Number: C1PSMM11110

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

SOVERNMENT COLLEGE KASARAGOT

JERNMENT COL

PAYVANUE COLLEGE, PAYVANUE.

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD (Affiliated to Kannur University)

MATRIX GROUPS

A Project report submitted to Kannur University

By

HARSHITHA J Reg. No: C1PSMM1111

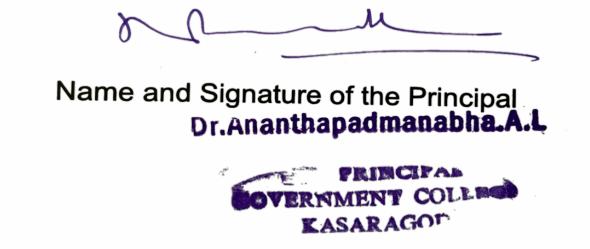
In partial fulfillment of the award of

Degree of Master of Science in Mathematics

during

2021-2023





BONAFIDE CERTIFICATE

Certified that this project report entitled "MATRIX GROUPS" is the bonafide work of Ms. HARSHITHA I who carried out the project work under my supervision.

Head of the Department

GENERALIMENT OF MATHEMATICS.

SUMMER COLLEGE KASGRAGE

Supervisor

Dr. P. PRASANTH
Asst Professor
Dept.or Mathematics
Govt.College, Kasaragod
Kasaragod Dt.-671123

Submitted for examination held on

Register Number: C1PSMM1111

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

PRINCIPAL EOVERNMENT COLLEGE KASARAGOT 1 Maya PV Com

2. Aswathi K - Asyston

EXICTION ASSESSMENT OF PROPERSONS
DEPARTMENT OF MATHEMATICS
DEPARTMENT OF MATHEMATICS
DEPARTMENT OF MATHEMATICS
DEPARTMENT OF MATHEMATICS



DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (PO), KASARAGOD

(Affiliated to Kamur University)

CALCULUS OF VARIATION

A project report submitted to Kannur University

By

Reg No: CIPSMM1112

In partial fulfillment of the award of
Degree of Master of Science in Mathematics
during

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EASARAGOT



BONAFIDE CERTIFICATE

Certified that this project report "CALCULUS OF VARIATION" is the bonafide work of "KRITHIKA D" who carried out the project work under my supervision.

Head of the Persentence

BEPARTMENT OF NATHENATICS

SOUTHWIND TOULSSE VASARABOR

DATE 31:93: 13.

Supervisor

ARUNKUMAR R
Assistant Professor
Department of Mathematics
Government College Kasaragod
PEN: 708260

Submitted for examination held on

Register Number: C1PSMM11112

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EASARAGOT

Date....

1 Maya P.V.

Asworthi-K-AONTON

EXTORINAL EXCEPTION OF MATHEMATICAL PAYYANUS COLLEGE PAYYANUS

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD.

(Affiliated to Kannur University)

BANACH ALGEBRA

A project report submitted to Kannur
University

By

CIPSMM1113

In partial fulfillment of the award of

Master of Science Degree in Mathematics

during

2021-23.

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL COVERNMENT COLLEGE KASARAGOT



Kannur University

BONAFIDE CERTIFICATE

project report BANACH ALGEBRA is the bonafide work of MEGHA M who carried out the project work under my supervision.

Head of the Department. READ OF THE BEPARTMENT

DEPARTMENT OF MATHEMATICS. CONVENIENT COLLEGE EASARIGHT

ARUNKUMAR R Assistant Professor

Department of Mathematics Government College Kasaraged

PEN: 708260

Supervisor

Submitted for examination held on

Register Number: C1PSMM1113

1 Mayer P.V Com

External Examiners

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL SOVERNMENT COLLEGE KASARAGOT



DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD (Affiliated to Kannur University)

C*-ALGEBRA

A Project report submitted to Kannur University

By

MUNJIDA M CIPSMMI114

In partial fulfillment of the award of

Degree of Master of Science in Mathematics

> during 2021-2023



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

PRINCIPAL COLUMN COL

BONAFIDE CERTIFICATE

Certified that this project report "C"-ALGEBRA" is the bonafide work of "MUNJIDA M" who carried out the project work under my supervision.

Head of the Department

DEPARTMENT OF MATHEMATICS ROYLANDERT CULLEGE VERNEUR

SAHARIYA

Assistant Professor Department of Mathematics Govt.College Vidyanager P.o.Kasaragod-871

Submitted for examination held on

Register Number: C1PSMM11114

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

SOVERNMENT COLLEGE KASARAGOT

1 Mayer PV

External Examp

ERNMENT CO

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR(P.O), KASARAGOD (Affiliated to Kannur University)

SOFT SET THEORY

A Project report submitted to Kannur University

By

NAVITHA P V

Register number: C1PSMM11115

In partial fulfillment of the award of Degree of Master of Science in Mathematics

during

2021 - 23



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

KASARAGOT

BONAFIDE CERTIFICATE

Certified that this project report entitled "SOFT SET THEORY" is the bonafide work of Ms. NAVITHA P V who carried out the project work under my supervision.

Arrowstern. R.

HEAD OF THE BEFARTMENT
DEPARTMENT OF MATREMATICS
COTERNWENT COLLEGE RESERVED.

Submitted for examination held on

Register Number: C1PSMM1115

Internal Examiner

SAHARIYA

Assistant Professor

Department of Mathematics

Gevt.College Vidyanager F.o.Kasaragod-671123

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

4.00

FRINCIPAL EASARAGOF

2. Aswathick Statem.

2. Aswathick Statem.

1916123

External Examplement of MATHEMATICS

OF M

Department of Mathematics

DEPARTMENT OF MATHEMATICS GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR (P O), KASARAGOD (Affiliated to Kannur University)

CODING THEORY

A Project report submitted to Kannur University

By

NIMMYA CHANDRAN

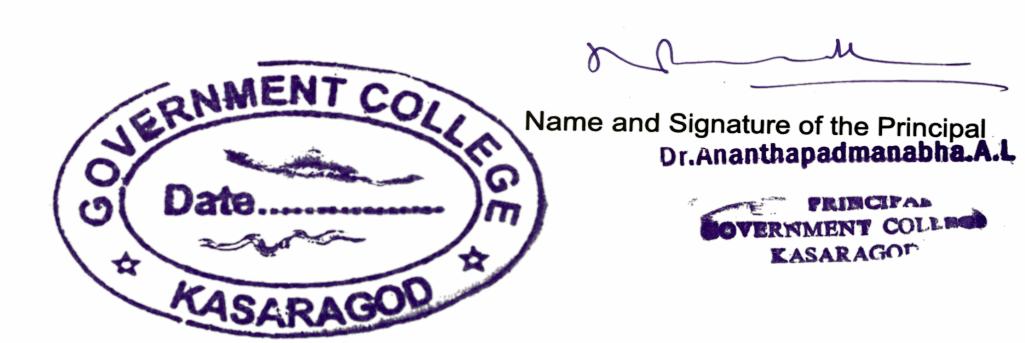
Reg. No: CIPSMM1116

In partial fulfillment of the award of

Degree of Master of Science in Mathematics

during

2021-2023



KANNUR UNIVERSITY

BONAFIDE CERTIFICATE

Certified that this project report entitled "CODING THEORY" is the bonafide work of Ms. NIMMYA CHANDRAN who carried out the project work under my supervision.

HEAD OF THE DEPARTMENT OF MATHEMATICS CONTENTS TOLLERS USABABASE



ARUNKUMAR R
Assistant Professor
Department of Mathematics
Government College Kasaragod

PEN: 708260

Submitted for examination held on

Register Number

Internal Examiner

AND BUILDING ART ART

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

PRINCIPAL COLUMN COLUMN

KASARAGOF

2 Aswathi k House Properties & Aswatter & As

SEMIGROUP THEORY

A Project report submitted to Kannur University

Ву

NITHYA CHANDRAN CIPSMM1117

In partial fulfillment of the awardof

Degree of Master of Science in Mathematics

during

2021-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L



KANNUR UNIVERSITY

BONAFIDE CERTIFICATE

Certified that this project report SEMIGROUP THEORY is thebonafide work of NITHYA CHANDRAN who carried out theproject work under my supervision.

Heald of the Department of MAINEMATICS STREET, STREET OF MAINEMATICS STREET, S



Supervisor

PRASANTH

Dr. P PRASANTH

Asst. Protessor

Asst. Protessor

Gept or Mathematics

Govt. College, Kasaragod

Kasaragod Dt. 671123

Submitted for examination held on

Register Number: C1PSMM1117

InternalExaminer

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

FRINCIPAL EASARAGOT

2 Aswarthick Strattor

THE FUNDAMENTAL GROUP

A project report submitted to Kannur University

By

THEJASWI G. CIPSMM1118

In partial fulfillment of the award of Degree of Master of Science in Mathematics during

2021-2023

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL ENVERNMENT COLLEGE KASARAGOF

KANNUR UNIVERSITY

BONAFIDE CERTIFICATE

Certified that this project report "THE FUNDAMENTAL GROUP" is the bonafide work of "THEJASWI G." who carried out the project work under my supervision.

Head of the Department NEAR OF THE USEANCE STREET

Submitted for examination held on.....

Supervisor

AYISHATH FASNA T.P.
PEN: 712232
Assistant Professor, Dept. of Mathematics
Government College Kasaraged
P.O.Vidyanagar - 671 123

Register Number: C1PSMM1118

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

FRINCIPAL EOVERNMENT COLLEGE KASARAGOT 2. Aswarths. K. Aswarths W.3.

ASWATHS PROPESSOR

ASSISTANT OF MATHEMATICS

ASSISTANT OF MATHEMATICS

External Example

List of UG Students who undertaken project work during 2022-23.

Sl No Reg No. NAME

| - | | KASARAGOD | PAGE 5 OF 7 |
|----------|--------------------------|---|------------------------------|
| | | O Date | EASARAGOT |
| | | 07 | Dr.Ananthapadmanabha.A.L |
| 36 | GK20CMSR39 | Name and | d Signature of the Principal |
| 35 | GK20CMSR38 | SITHARA S | |
| 34 | GK20CMSR37 | | 0 _ M |
| 33 | GK20CMSR36 | MERRIN MARIYA JAISON RESHMA A | |
| 32 | | | |
| 31 | GK20CMSR34 GK20CMSR35 | KHADEEJATH SAMAHA KRISHNA PRIYA P V | |
| 30 | | FATHIMATH SAJIDA | |
| 29 | GK20CMSR32 GK20CMSR33 | FATHIMATH SAUDA | |
| 28 | GK20CMSR31 | DIVYASREE P | |
| 27 | GK20CMSR30 | ANUSREE P | |
| 26 27 | GK20CMSR29 | | |
| 25 26 | GK20CMSR28 | ANUJA K | |
| 24 25 | GK20CMSR27 | | |
| 23 | GK20CMSR26 | ANIRUDH M | |
| 22 | GK20CMSR25 | | |
| 21 | GK20CMSR24 | | |
| | | | |
| 20 | GK20CMSR22 GK20CMSR23 | | |
| 19 | GK20CMSR21 GK20CMSR22 | | |
| 18 | GK20CMSR20 GK20CMSR21 | | |
| 17 | GK20CMSR19 GK20CMSR20 | NANDANA M SALMA ABDULLA | |
| 16 | | | |
| 15 | GK20CMSR17 GK20CMSR18 | MEGHA K R | |
| 13 14 | GK20CMSR17 | FATHIMA SHAREEF MANJUSHREE SHIVANI B S | |
| 13 | | | |
| 12 | GK20CMSR12 GK20CMSR14 | DEEKSHITHA K | |
| 10 11 | GK20CMSR11 GK20CMSR12 | ANJU ELIZABETH ANUPRIYA T | |
| 9 | GK20CMSR10 | | |
| 8 | GK20CMSR09 | | |
| 7 | GK20CMSR08 | | |
| 6 | | AKHILA K | |
| 5 | GK20CMSR06 | UDITHRAJ N | |
| 4 | GK20CMSR05 | MOHAMMED WAZEER AHAME | D CHEDEKAL |
| 3 | GK20CMSR04 | ANURAJ M | D CLIEDEW A I |
| 2 | GK20CMSR03 | ADWAITH NARAYAN | |
| 1 | GK20CMSR02 | KHADEEJATH THASMEENA | |
| _ | CT/COCO TODOS | 1/11 / DEET / ETT ETT / 03 /EED 1 / | |

Project front pages and Certificates

The following pages contains scanned copy of front pages of project works done by BSc Mathematics Students of Government College Kasaragod, submitted to Kannur University in partial fulfilment of the award of Degree of Master of Science in Mathematics during 2022-2023.



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L



PAGE 6 OF 7

SYLOW THEOREMS

A Project report submitted to Kannur University

By

KHADEEJATH THASMEENA Register Number : GK20CMSR02

In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during

2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

FRINCIPAL ENT COLLEGE KASARAGOF

This is to certify that this project was presented by KHADEEJATH
THASMEENA on SYLOW THEOREMS in partial fulfilment of the Award
of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUN KUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Mathematics

Government College Kasaragod Vidyanagar - 671123 SIGNATURE SHRUTHY V

SUPERVISOR

Assistant Professor in

Mathematics

Government College Kasaragod Vidyanagar - 671123



Submitted for examination held on

17.04. 2023

Register Number: GK20CMSR02

Value

Internal Examiner

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

PRINCIPAL EASARAGOT 1. Chilon

External Examiner 74/2

BOOLEAN ALGEBRA

A Project report submitted to Kannur University

By

ADWAITH NARAYAN Register Number: GK20CMSR03



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics



during

2020-2023



FRINCIPAL EASARAGOT

Dr. Ananthapadmanabha. A.L.

This is to certify that this project was presented by ADWAITH NARAYAN on BOOLEAN ALGEBRA in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

THE DEPAN

STATE COLLEGE Government College Kasaragod

Vidyanagar

PIN: 671

SRUTHY V

SUPERVISOR

Assistant Professor in Mathematics

(on contract)

Government College Kasaragod

Vidyanagar

PIN 671123

Submitted for examination held on

Register Number: GK20CMS



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

PRINCIPAL SOVERNMENT COLLEGE KASARAGOT

IDEALS

A Project report submitted to Kannur University

By

ANURAJ M Register Number: GK20CMSR04



In partial fulfillment of the award of Bachelor of Science Degree in Mathematics during 2020-2023







This is to certify that this project was presented by ANURAJ M on IDEALS in partial fulfillment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

Vidyanagar 671123

DATE 20/3/22

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in Mathematics (on contract)

Government College Kasaragod

Vidyanagar 671123

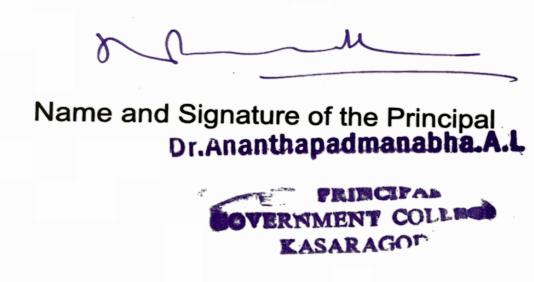
Submitted for examination held on

17.04.23

Register Number: GK20CMSR04

ubramranja Internal Examiner





POWER SERIES SOLUTIONS AND SPECIAL FUNCTIONS

A Project report submitted to Kannur University

By

MOHAMMED WAZEER AHAMED CHEDEKAL

Register Number: GK20CMSR05



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L



filment during 2020-2023 WAZEER of the Award of Bachelor of Science Degree in Mathematics AHAMED HAMED CHEDEKAL on POWER SERIES

AND SPECIAL FUNCTIONS in partial fat-

SIGNATURE

ARUNKUMAR R
HEAD OF THE
DEPARTMENT
DEPARTMENT
Assistant Professor in
Mathematics
Government College
Kasaragod

Section States

SIGNATURE
SIGNATURE
RESHMA N
SUPERVISOR
Assistant Professor in
Mathematics
(on contact with)
Government College
Kasaragod
Vidyanagar – 671123

Submitted for examination held on

идуанидат

123

17.04. 23

Register Number: GK20CMSR05

2

IDEALS

A Project report submitted to Kannur University

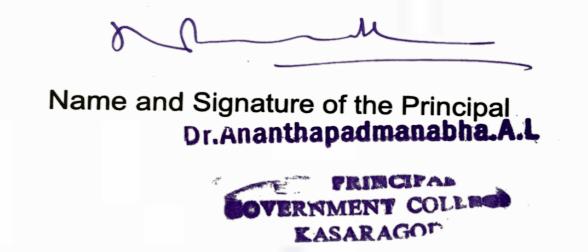
By

UDITH RAJ N Register Number: GK20CMSR06



In partial fulfillment of the award of Bachelor of Science Degree in Mathematics during 2020-2023





This is to certify that this project was presented by UDITH RAJ N on IDEALS in partial fulfillment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

Vidyanagar 671123

CIECULIA TELEPIZA

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in Mathematics (on contract)

Government College Kasaragod

Vidyanagar 671123

Submitted for examination held on

17.04.23

Register Number: GK20CMSR06

Subrahwayya Projad K Internal Examiner

External Examiner



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

POWER SERIES SOLUTIONS AND SPECIAL FUNCTIONS

A Project report submitted to Kannur University

By

AKHILA K Register Number:GK20CMSR07



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

KASARAGOT

This is to certify that this project was presented by AKHILA K on POWER SERIES SOLUTIONS AND SPECIAL FUNC-TIONS in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

> SIGNATURE ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Mathematics

Government College

Kasaragod

Vidyanagar - 671123

34

SIGNATURE RESHMA N SUPERVISOR

Assistant Professor in

Mathematics

(on contact with)

Government College Kasaragod

Vidyanagar - 671123

Submitted for examination held on 17.04

7.04.23

7)

Register Number: GK20CMSR07

Internal Examiner

1 - Church - 23.

7









BILINEAR TRANSFORMATION AND CONFORMAL MAPPING

A Project report submitted to Kannur University

By

AKHILA SURESH

Register Number: GK20CMSR08

In partial fulfilment of the award of Bachelor of Science Degree in Mathematics

during

2020-2023

This is to certify that this project was presented by AKHILA SURESH on BILINEAR TRANSFORMATION AND CONFORMAL MAPPING fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Mathematics
Government College Kasaragod

SIGNATURE

RESHMA N

SUPERVISOR

Assistant Professor in

Mathematics

(On contact with)

Government College Kasaragod

Vidyanagar - 671123

Submitted for examination held on

Register Number: GK20CMSR08

Internal Examiner

THEORY OF GAMES

A project report submitted by

Ambika C H (GK20CMSR09)

under the supervision of $RESHMA\ N$

in partial fulfillment of the requirements for the degree of Bachelor of Science (Mathematics)

to the



Department of Mathematics Government College Kasaragod, Vidyanagar

GOVERNMENT COLLEGE KASARAGOD, VIDYANAGAR DEPARTMENT OF MATHEMATICS

DECLARATION

I hereby declare that the work reported in the project titled "THEORY OF GAMES" submitted for the partial fulfillment of B.Sc. degree at the Department of Mathematics, Government College Kasaragod, Vidyanagar, is record of my work carried out under the supervision of RESHMA N.

Ambika C H

(B.Sc. Final)

Department of Mathematics

Govt College Kasaragod

MODULES

A project report

AMRUTHA P (GE20CMSR10)

under the supervision of $SRUTHY\ V$

in partial fulfillment of the requirements for the degree of Bachelor of Science (Mathematics)

tis the



Department of Mathematics Government College Kasaragod, Vidyanagar

GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR DEPARTMENT OF MATHEMATICS

DECLARATION

I hereby declare that the work reported in the project titled "MODULES" submitted for the partial fulfillment of B.Sc. degree at the Department of Mathematics, Government College Kasaragod, is record of my work carried out under the supervision of SRUTHI V.

AMRUTHA P

(B.Sc. Final)
Department of Mathematics
Government College Kasaragod

INTEGRAL EQUATIONS

A Project report submitted to Kannur University

By

ANJU ELIZABETH

Register Number: GK20CMSR11



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by ANJU ELIZABETH on IN-TEGRAL EQUATIONS in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

16.71

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Sure destablishment Professor in Mathematics

Vidyanngar

Pin 671123

RESHMA N

SUPERVISOR

Assistant Professor in Mathematics

(On contract)

Government College Kasaragod

Vidyanagar

Pin 671123

Submitted for examination held on 17.04.

Register Number: GK20CMSR11

Z-TRANSFORM

A Project report submitted to Kannur University

By

ANUPRIYA.T

Register Number: GK20CMSR12



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during

2020-2023

This is to certify that this project was presented by ANUPRIYA. T on Z-TRANSFORM in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistante Professor in Mathematics

Government College Kasaragod

idsunagar a 671123

SUBRAHMANYA PRASADIK

SUPERVISOR

Assistant Professor in Mathematics.

(on contract)

Government College Kasaragod

Vidyanagar a 671123

Submitted for examination held on

Register Number: GK20CMSR12

Substantanya Protect K Internal Examiner

INNER PRODUCT SPACE

A Project report submitted to Kannur University

By

DEEKSHITHA K Register Number : GK20CMSR14



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by DEEKSHITHA K on INNER PRODUCT SPACE in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUN KUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Mathematics

Government College

Kasaragod

Vidyanagar - 671123

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in

Mathematics

Government College

Kasaragod

Vidyanagar - 671123

Submitted for examination held on 17:04. 2023

Dame.

Register Number: GK20CMSR14

Subjection Praince k.

2

GRAPH COLOURING

A Project report submitted to Kannur University

By

FATHIMA SHAREEF

Register Number: GK20CMSR15



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by FATHIMA SHAREEF on GRAPH COLOURING in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

PARUNKUMAR R

SANNAGOT COLLEGE HARJA HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

Vidyanagar

Pin 671123

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in Mathematics

(on contarct)

Government College Kasaragod

Vidyanagar

Pin 671123

Submitted for examination held on

18.04.2023

Register Number: GK20CMSR15

Salorahunanya Basawal K, Internal Examiner

SYLOW THEOREMS

A Project report submitted to Kannur University

Ву

MANJUSHREE SHIVANI B S Register Number : GK20CMSR17

In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by MANJUSHREE SHIVANI B S on SYLOW THEOREMS in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE
ARUN KUMAR R
HEAD OF THE DEPARTMENT
Assistant Professor in

Mathematics
Government College Kasaragod
Vidyanagar – 671123

SIGNATURE
SHRUTHY V
SUPERVISOR
Assistant Professor in
Mathematics
Government College Kasaragod
Vidyanagar – 671123



Submitted for examination held on

18 04 2023

Value

Register Number: GK20CMSR17

Internal Examiner

1. Chys. 28.

2. 18.04.2013

BOOLEAN ALGEBRA

A Project report submitted to Kannur University

 $\mathbf{B}\mathbf{y}$

MEGHA.K.R

Register Number: GK20CMSR18



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during

2020-2023

This is to certify that this project was presented by MEGHA.K.R on BOOLEAN ALGEBRA in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics:

Government College Kasaragod

SOME SOLLEGE MASS PIN : 671123

SRUTHY V SUPERVISOR

Assistant Professor in Mathematics

(on contract)

Government College Kasaragod

Vidyanagar

PIN : 671123

Submitted for examination held on 19-04 2023

Register Number: GK20CMSR18



BILINEAR TRANSFORMATION AND CONFORMAL MAPPING

A Project report submitted to Kannur University

By

NANDANA M

Register Number: GK20CMSR19

In partial fulfilment of the award of Bachelor of Science Degree in Mathematics

during

2020-2023

This is to certify that this project was presented by NANDANA M on BILINEAR TRANSFORMATION AND CONFORMAL MAPPING in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Assistant Profit.

Government College

Onte 26 3 22 Vidyant Government College Kasaragod

Vidyanagar - 671123

SIGNATURE

RESHMA N

SUPERVISOR

Assistant Professor in

Mathematics

(On contact with)

Government College Kasaragod

Vidyanagar - 671123

Submitted for examination held on 18:04. 2023

Register Number: GK20CMSR19

Internal Examiner

THEORY OF GAMES

A project report submitted by

SALMA ABDULLA (GK20CMSR20)

under the supervision of $RESHMA\ N$

in partial fulfillment of the requirements for the degree of Bachelor of Science (Mathematics)

to the



Department of Mathematics
Government College Kasaragod, Vidyanagar

This is to certify that this project was presented by SALMA ABDULLA on THEORY OF GAMES to partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics
COLLEGE La Covernment College Kassragud

Wadynnagar - 671123

SIGNATURE

RESHMA N SUPERVISOR

Assistant Professor in Mathematics Government College Kasaragod

Vidyanagar - 671123

Submitted for examination held on

18.04.2023

Value

Register Number: GK20CMSR20

Internal Examiner

MODULES

A project report submitted by

SHREYA C (GK20CMSR21)

under the supervision of $SRUTHY\ V$

in partial fulfillment of the requirements for the degree of Bachelor of Science (Mathematics).

to the



Department of Mathematics Government College Kasaragod, Vidyanagar

This is to certify that this project was presented by SHREYA C on MODULES in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023_

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

OVERNMent College Ka.

SIGNATURE SRUTHY V

SUPERVISOR

Assistant Professor in Mathematics.

(On contact with)

Government College Castigator.

Vidyanagar - 671123

Submitted for examination held on

Register Number GK20CMSR21

ernal Examiner

INTEGRAL EQUATIONS

A Project report submitted to Kannur University

 $\mathbf{B}\mathbf{y}$

SHREYA D

Register Number: GK20CMSR22



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by SHREYA D on INTEGRAL EQUATIONS in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

Vidyanagar

Pin 671123

SIGNATURE

RESHMA N

SUPERVISOR

Assistant Professor in Mathematics

(On contract)

Government College Kasaragod

Vidyanagar

Pin 671123

Submitted for examination held on | 7 oh 73

Value.

Register Number: GK20CMSR22

Internal Examiner

Z-TRANSFORM

A Project report submitted to Kannur University

By

SNEHA.K

Register Number: GK20CMSR23



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during

2020-2023

This is to certify that this project was presented by SNEHA.K on Z-TRANSFORM in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023

SIGNATURE

ARUNKUMAR R.

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Vidyanagar a 671123

SIGNATURE

SUBRAHMANYA PRASAD.K

SUPERVISOR

Assistant Professor in Mathematics

(on contract)

Government College Kasaragod

Vidyanagar à 671123

Submitted for examination held on

Register Number: GK20CMSR23

Subrahmanya Prasad K.

Internal Examiner

CRYPTOGRAPHY

A Project report submitted to Kannur University

By

SWATHI B Register Number:GK20CMSR24



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by SWATHI B on CRYPTOGRAPHY in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

> SIGNATURE ARUNKUMAR R HEAD OF THE

Assistant Professor in Mathematics Government College

SARAGO

Vidyanagar 671123

SIGNATURE Ma SRUTHY V SUPERVISOR

Assistant Professor in Mathentics Government College

Kasaragod Vidyamagar - 671123

Submitted for examination held on

18.04 2023

Value

Register Number: GK20CMSR24

5467-3

1. Chyp. 23

NIE - 04

Interibil Examiner

INNER PRODUCT SPACE

A Project report submitted to Kannur University

By

UNNIMAYA M Register Number : GK20CMSR25



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by UNNIMAYA M on INNER PRODUCT SPACE in partial fulfilment of the Award of Bachclor of Science Degree in Mathematics during 2020-2023.

ARUN KUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Government C Government College

Vidyanagar - 671123

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in

Mathematics

Government College

Kasaragod

Vidyanagar - 671123

Submitted for examination held on

Register Number: GK20CMSR25

Subrahanya Protect Internal Examiner

GRAPH COLOURING

A Project report submitted to Kumur University

By

ANIRUDH M

Register Number: GK20CMSR26



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL EASARAGOT

This is to certify that this project was presented by ANIRUDH M on GRAPH COLOURING in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R.

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

Vidyanagar

Pin 671123

Submitted for examination held on

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in Mathematics

(on contarct)

Government College Kasaragod

Vidyanagar

Pin 671123

18.04. 2023

Register Number: GK20CMSR26

Subrahmanya Prasad K

Internal Examiner

1. Chulp-23

16 -0

SYLOW THEOREMS

A Project report submitted to Kannur University

By

DIYA R M

Register Number : GK20CMSR27

In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023





This is to certify that this project was presented by **DIYA R M** on **SYLOW THEOREMS** in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUN KUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Mathematics

Government College Kasaragod

Vidyanagar - 671123

SIGNATURE SHRUTHY V SUPERVISOR

Assistant Professor in Mathematics

Government College Kasaragod Vidyanagar – 671123

Submitted for examination held on

18-04- 2023

Value

Register Number: GK20CMSR27

Internal Examiner

AL SEA

I Chip

External Evaniner

Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

FRINCIPAL EOVERNMENT COLLEGE KASARAGOT



BOOLEAN ALGEBRA

A Project report submitted to Kannur University

ANUJA.K

Register Number: GK20CMSR28



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics

2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

COVERNMENT COLLEGE KASARAGOT

This is to certify that this project was presented by ANUJA.K on BOOLEAN ALGEBRA: in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

DATE ... 3-10.2 (2.0) Professor in Mathema.

Vidyanagar

SRUTHY V

SUPERVISOR

Assistant Professor in Mathematics

(on contract)

Government College Kasaragod

Vidyanagar

PIN: 671123

Submitted for examination held on

Register Number GK20CMSR28

POWER SERIES SOLUTIONS AND SPECIAL FUNCTIONS

A Project report submitted to Kannur University

By

ANUSHA K Register Number:GK20CMSR29



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023

This is to certify that this project was presented by ANUSHA K on POWER SERIES SOLUTIONS AND SPECIAL FUNC-TIONS in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

> SIGNATURE ARUNKUMAR R HEAD OF THE

DEPARTMENT
Assistant Professor in
Mathematics
Government College

Kasaragod Vidyanagar – 671123 SIGNATURE RESHMA N SUPERVISOR

Assistant Professor in Mathematics

(on contact with)

Government College Kasaragod

Vidyanagar - 671123

SENT COLLEGE KAS Softmitted for examination held on

23/23/23

Bushe

19-04- 201

Value

Register Number: GK20CMSR29

Internal Examiner

1. Chille 13

2. 4 7 19.04. 2023



BILINEAR TRANSFORMATION AND CONFORMAL MAPPING

A Project report submitted to Kannur University

By

ANUSREE P

Register Number: GK20CMSR30

In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during

2020-2023

This is to certify that this project was presented by ANUSREE P on BILINEAR TRANSFORMATION AND CONFORMAL MAPPING in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023,

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

WENT COLLEGE MAS Mathematics

Government College Kasaragod

DATE 24/3/23 Vidyanagar - 671123

SIGNATURE

RESHMA N

SUPERVISOR

Assistant Professor in

Mathematics

(On contact with)

Government College Kasaragod

Vidyanagar - 671123

Submitted for examination held on 15 + 04

Register Number: GK20CMSR30

THEORY OF GAMES

A project report submitted by

Divyasree P
(GK20CMSR31)

under the supervision of $RESHMA\ N$

in partial fulfillment of the requirements for the degree of Bachelor of Science (Mathematics)

to the



Department of Mathematics Government College Kasaragod, Vidyanagar

GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR DEPARTMENT OF MATHEMATICS

DECLARATION

I hereby declare that the work reported in the project titled "THEORY OF GAMES" submitted for the partial fulfillment of B.Sc. degree at the Department of Mathematics, Government College Kasaragod, Vidyanagar, is record of my work carried out under the supervision of RESHMA N.

Divyasree P

(B.Sc. Final)

Department of Mathematics

Govt College Kasazagod

MODULES

A project report submitted by

FATHIMATH DILSHANA (GK20CMSR32)

under the supervision of $SRUTHY\ V$

in partial fulfillment of the requirements for the degree of Bachelor of Science (Mathematics)

to the



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L. PRINCIPAL COLLEGE KASARAGOT

Department of Mathematics
Government College Kasaragod, Vidyanagar

JERNMENT CO

GOVERNMENT COLLEGE KASARAGOD VIDYANAGAR DEPARTMENT OF MATHEMATICS

DECLARATION

I hereby declare that the work reported in the project titled "MODULES" submitted for the partial fulfillment of B.Sc. degree at the Department of Mathematics, Government College Kasaragod, is record of my work carried out under the supervision of SRUTHI V.

FATHIMATH DILSHANA

(B.Sc. Final)

Department of Mathematics Government College Kasaragod



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL ENTERNMENT COLLEGE KASARAGOT

INTEGRAL EQUATIONS

A Project report submitted to Kannur University

By

FATHIMATH SAJIDA

Register Number: GK20CMSR33



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics

during 2020-2023



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L. PRINCIPAL COLLEGE

KASARAGOT

This is to certify that this project was presented by FATHIMATH SAJIDA on INTEGRAL EQUATIONS in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R.

HEAD OF THE DEPARTMENT

DEPAL COLLEGE RAS Government College Kasaragod
Vidyanagar

SIGNATURE

RESHMA N

SUPERVISOR

Assistant Professor in Mathematics

(On contract)

Government College Kasaragod

Vidyanagar

Pin 671123

Submitted for examination held on

Register Number: GK20CMSR33

Z-TRANSFORM

A Project report submitted to Kannur University

By

KHADEEJATH SAMAHA

Register Number: GK20CMSR34



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics



This is to certify that this project was presented by KHADEEJATH SAMAHA. on Z-TRANSFORM in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

DNE 3X 3 13 Government College Kasaragod

SIGNATURE

SUBRAHMANYA PRASADIK

SUPERVISOR

Assistant Professor in Mathematics

(on contract)

Government College Kasaragod

Vidyanagar à 671123

Submitted for examination held on 14.04, 2023

Register Number: GK20CMSR34:

Subrahuranya Prasad K

Internal Examiner

CRYPTOGRAPHY

A Project report submitted to Kannur University

By

KRISHNAPRIYA P V Register Number:GK20CMSR35



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

FRINCIPAL EOVERNMENT COLUMN KASARAGOT

This is to certify that this project was presented by KRISHNAPRIYA P V on CRYPTOGRAPHY in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

> SIGNATURE ARUNKUMAR R HEAD OF THE

DEPARTMENT
Assistant Professor in

Mathematics
Government College

Kasaragod idyanagar - 671123

Submitted for examination held on 15 04.

SIGNATURE Ms SRUTHY V SUPERVISOR

Assistant Professor in Mathematics

Government College Kasaragod

Vidyanagar - 671123

15 04- 2023

Register Number GK20CMSR35

Value

Internal Examiner

1 24/21/23

External Examiner

Da m

Name and Signature of the Principal Dr.Ananthapadmanabha.A.L

FRINCIPAL COLLEGE KASARAGOT



IDEALS

A Project report submitted to Kannur University

By

MERRIN MARIYA JAISON Register Number: GK20CMSR36



In partial fulfillment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr. Ananthapadmanabha. A. L.

DOVERNMENT COLLEGE

KASARAGOT

This is to certify that this project was presented by MERRIN MARIYA JAISON on IDEALS in partial fulfillment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

3 3123

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

Government College Kasaragod

dyanagar 671123

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in Mathematics (on contract)

Government College Kasaragod

Vidyanagar 671123

Submitted for examination held on

19.04. 2023

Register Number: GK20CMSR36

Subrahmanya Prosock K.
Internal Examiner

7 7 14 . 04 . ;

INNER PRODUCT SPACE

A Project report submitted to Kannur University

By

RESHMA A

Register Number: GK20CMSR37



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

FRINCIPAL EASARAGOT

This is to certify that this project was presented by RESHMA A on INNER PRODUCT SPACE in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUN KUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in

Mathematics

Government College

Kasaragod

ು

Vidyanagar - 671123

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in

Mathematics

Government College

Kasaragod

Vidyanagar - 671123

Submitted for examination held on

19.04.2023

Vahre

Register Number: GK20CMSR37

Subrahmanya Prasad K. Internal Examiner). Chylana 19123

GRAPH COLOURING

A Project report submitted to Kannur University

By

SITHARA S

Register Number: GK20CMSR38



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics

during 2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

EOVERNMENT COLLEGE KASARAGOT

This is to certify that this project was presented by SITHARA S on GRAPH COLOURING in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

SIGNATURE

ARUNKUMAR R

HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics

0

Government College Kasaragod

Vidyanagar

Pin 671123

SIGNATURE

SUBRAHMANYA PRASAD K

SUPERVISOR

Assistant Professor in Mathematics

(on contarct)

Government College Kasaragod

Vidyanagar

Pin 671123

Submitted for examination held on

2023

Register Number: GK20CMSR38

Subrahmanya Praiod k.

CRYPTOGRAPHY

A Project report submitted to Kanmir University

By

VISHNU PRASAD M Register Number:GK20CMSR39



In partial fulfilment of the award of Bachelor of Science Degree in Mathematics during 2020-2023



Name and Signature of the Principal Dr.Ananthapadmanabha.A.L.

FRINCIPAL EASARAGOT

VISHNU PRASAD M on CRYPTOGRAPHY in partial fulfilment of the Award of Bachelor of Science Degree in Mathematics during 2020-2023.

> ARUNKUMAR R HEAD OF THE DEPARTMENT

Assistant Professor in Mathematics Government College

Kasaragod Vidyamagar - 671123

Submitted for examination held on

SIGNATURE Ms SRUTHY V SUPERVISOR

Assistant Professor in Mathematics Government College Kasaragod

Vidyanagar - 671123

15.04.2023

Value

Register Number: GK20CMSR39