CERTIFICATE

This is to certify that the project entitled **"Chinese remainder theorem and its application"** is the bonafide work carried out by G.K.ANNAPURNESHWARI student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

MT191002

Mr. RANGANATH.M.S

Guide

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

26/10/2021

Dr. Ashwini Yalure

DAVANGERE UNIVERSITY

Department of Mathematics

Shivagangothri, Davangere-577 007, INDIA

Dr. ASHWINI YALNAIK
Assistant Professor

E-mail: *ashwinisydud@gmail.com*
Phone No: +91-9945810477

CERTIFICATE

This is to certify that the project work entitled **"GRAPHS WITH GOLDEN SPECTRAL RATIO"** submitted by **ARCHANA D.K.** to the **Department of Mathematics,** MTI91003 **Davangere University, Davangere- 577007,** for the partial fulfillment of the Award of

MASTERS OF SCIENCE for the academic year 2020-21, under my guidance and this project has not been submitted for the award of any other degree, diploma, associate ship, fellowship etc., of any other University or Institute.

ASHWINI YALNAIK

Place: Davangere

Date: 21|10|2021 ,

CHAIRMAN
(Dr. D.G. Prakasha)

Ranganath.M.S.

2

CERTIFICATE

This is to certify that the project entitled " **HILBERT SPACES AND FOURIER SERIES**"

is the bonafide work carried out by ARPITHA H, student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously. $MT191004$

Mr.RANGANATH.M.S

Guide

Prof. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

CERTIFICATE

This is to certify that the project entitled *"Analysis of viscous boundary layer flow for Newtonian fluid over shrinking sheet in a porous media"* is the bonafide work carried out by ARUNKUMAR T N student of M.Sc., Department of Mathematics, Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

MT191005

Chairman

Dr. D.G.PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere-577 007

Guide

Dr. U.S. MAHABALESHWAR

Dr. U.S Mahabaleshwar
M.Sc., M.phil., Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Examiner:

Dr. Chetana Gali

CERTIFICATE

This is to certify that the project entitled "The application of Hermite wavelet method to nonlinear differential equations arising in heat transfer problems" is the bonafide work carried out by CHAITRA M.M. (CMT191006) Student of M.Sc. Department of Mathematics, Shivagangothri Campus, Davanagere-577007, during the year 2020-2021 in partial fulfillment of the requirements for the award of degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

Dr. K.R. Raghunatha.

Guide

Dr. D.G. Prakasha
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

26/10/2021

2

DAVANGERE UNIVERSITY

SHIVAGANGOTRI, DAVANGERE-577002

CERTIFICATE

This is to certify that the project work entitled "NANO FLUIDS: PREPARATION, STABILITY MECHANISMS AND APPLICATIONS" submitted to the Department of Mathematics by Chandana G.C. student of IV semester in Mathematics under the guidance of Dr. B.C.Prasannakumara, **Associate Professor**, Department of Mathematics, for the partial fulfilment of the requirement for award of the degree **Master of science** in **Mathematics** as per Davangere University regulations during the academic 2020-21.

Reg No : M7191007

Project guide:

(Dr.B.C.Prasannakumara)

Chairman:
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

External Examiner:

(1)...........................

(2)...........................

Internal Examiner:

(1)...........................

(2)...........................

DAVANGERE UNIVERSITY

Decennial Academic Year

Department of Mathematics
Shivagangothri, Davangere-577 007

CERTIFICATE

This is to certify that the project work entitled *"Solutions of Differential Equations using Homotopy Perturbation Method"* submitted by **Chethan H.B** to the **Davangere** MT191008

University, Davangere for the award of degree of **MASTER OF SCIENCE**, during this period of his study under my guidance and this project has not been submitted for the award of any degree, diploma, associateship, fellowship etc., of any other University or Institute.

Project Supervisor

(Dr. D.G Prakasha)

Chairman

(prof.Dr.D.G.Prakasha)
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

External Examiner:

2-6.10.2021

Internal Examiner:

DAVANGERE ⬤ UNIVERSITY
Department of Mathematics
Shivagangothri, Davangere-577 007, INDIA

Dr. ASHWINI YALNAIK

Assistant Professor

E-mail: *ashwinisydud@gmail.com*

Phone No: +91-9945810477

CERTIFICATE

This is to certify that the project work entitled "*WEINER INDEX OF PLANAR GRAPH*" submitted by **DANESHWARI S.** (MT191010) to the **Department of Mathematics, Davangere University, Davangere- 577007,** for the partial fulfillment of the Award of **MASTERS OF SCIENCE** for the academic year 2020-21, under my guidance and this project has not been submitted for the award of any other degree, diploma, associate ship, fellowship etc., of any other University or Institute.

Place: Davangere

Date: 21|10|2021

ASHWINI YALNAIK

CHAIRMAN

(Dr. D G PRAKASHA)

26/10/2021

Ranganath. M.S

2

CERTIFICATE

This is to certify that the project entitled *"An Analytical solution of a non-Newtonian flow of a Walters' liquid B over a stretching sheet with Navier's slip"* is the bonafide work carried out by **JEEVANA JYOTHI E** student of M.Sc., Department of Mathematics, MT191011 Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

Guide

Dr. U.S. MAHABALESHWAR

Dr. U.S Mahabaleshwar
M.Sc., M.Phil., Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Chairman

Dr. D.G.PRAKASHA
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Examiner:

Dr. Chetana Gali

CERTIFICATE

This is to certify that the project entitled *"A couple stress fluid flow through a porous stretching sheet"* is the bonafide work carried out by KAVYA H student of M.Sc., Department of Mathematics, Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

MT191012

Guide

Chairman
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Dr. U.S. MAHABALESHWAR

Dr. U.S Mahabaleshwar.
M.Sc., M.phi.l, Pn.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Dr. D.G.PRAKASHA

Examier:

Dr. Chetana Gali

DAVANGERE UNIVERSITY

Dr. D. G. Prakasha
Associate Professor
Department of Mathematics

Shivagangothri, Davangere577007
Karnataka, India
Phone: 08095907689

CERTIFICATE

This is to certify that the M. Sc. project work dissertation entitled "**Introduction to coding theory**" submitted to the Davangere University, Davangere by **Miss.Kavya H. M. (Reg.No:MT191013)** as a partial fulfilment for the award of the Degree of **Master of Science in Mathematics** represents his project work and it has not been submitted previously, for the award of any other degree or diploma of this or any other University or Institution. She has carried out this project work at the Department of Studies in Mathematics, Davangere University, Davangere, under my supervision and guidance.

Dr. D. G.Prakasha

Project Guide
Department of Mathematics
Davangere University, Davangere

Chairman
Chairman
Department of Mathematics
Davangere University, Davangere
Shivagangotri. Davangere - 577 007

Examiners:

1.

     26.10.2021

2.

DAVANGERE UNIVERSITY

SHIVAGANGOTRI, DAVANGERE-577002

CERTIFICATE

This is to certify that the project work entitled "DIFFERENTIAL TRANSFORMATION METHOD FOR FLUID FLOW PROBLEM" submitted to the Department of Mathematics by Madhu.J student of IV semester in Mathematics under the guidance of Dr. B.C.Prasannakumara, **Associate Professor**, Department of Mathematics, for the partial fulfilment of the requirement for award of the degree **Master of science** in **Mathematics** as per Davangere University regulations during the academic 2020-21.

MT191014

chairman

Project guide:

(Dr.B.C.Prasannakumara)

External Examiner:

(1)

(2)

Internal Examiner:

(1)

(2)

CERTIFICATE

This is to certify that the project entitled "ALGEBRAIC TOPOLOGY" is the

bonafide Worked Carried by MAMATHA.K.S. student of M.Sc., Department of
[MT19 1015]

Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-

577007, during the year 2020-2021, in partial fulfilment of the requirements for the

award of the degree of Master of science in mathematics and that the work has not

formed the basis of any degree, diploma, associate ship, fellowship or any other

similar title previously.

.01|10|2021

Mr.MAHESH BARKI

Guide

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

Dr. Ashwini Yalnur

2

CERTIFICATE

This is to certify that the project entitled *"An exact analytical solution of a mass transpiration due to stretching/shrinking sheet with slip condition"* is the bonafide work carried out by MAMATHA M student of M.Sc., Department of Mathematics, Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

MT19016

Guide

Chairman
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Dr. D.G.PRAKASHA

Dr. U.S. MAHABALESHWAR
Dr. U.S. Mahabaleshwar
M.Sc., M.Phil., Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Examiner:

Dr. chetana Gali

DAVANGERE   UNIVERSITY

Department of Mathematics

Shivagangothri, Davangere-577 007, INDIA

Dr. ASHWINI S. YALNAIK

Assistant Professor

E-mail: *ashwinisydud@gmail.com*

Phone No: +91-9945810477

CERTIFICATE

This is to certify that the project work entitled *"NOTE ON THE RELATION BETWEEN CHROMATIC NUMBER AND STATUS CONNECTIVITY INDICES"* submitted by MANASA P. to the Department of Mathematics, Davangere University, Davangere- 577007, for the partial fulfillment of the Award of MASTERS OF SCIENCE for the academic year 2020-21, under my guidance and this project has not been submitted for the award of any other degree, diploma, associate ship, fellowship etc., of any other University or Institute.

MT191017

Place: Davangere

Date: 21|10|2021

ASHWINI YALNAIK

CHAIRMAN
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

26|10|2021

DAVANGERE UNIVERSITY

Department of Studies in Mathematics,
Shivagangothri, Davangere-577 007, India

CERTIFICATE

This is to certify that the project work entitled **"A Study on Theory of Wavelets"** submitted to the department of Mathematics by Manoj N. (Register Number: MT191018), Student of IV Semester M.Sc.in MATHEMATICS under theguidance of Dr. D. G. Prakasha, Associate Professor & Chairman, Department of Mathematics, for the partial fulfillment of the requirement for award of the Degree Master of Science in Mathematics as per Davangere University regulations during the academic **2020-21.**

Project Guide

(Dr. D. G. Prakasha)

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

External Examiner:

Internal Examiner:

(1)..................

(2).....................

CERTIFICATE

This is to certify that the project entitled **"Linear stability analysis of Rayleigh-Bénard convection "** is the bonafide work carried out by MEGHANA E (MT191019) student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Dr. K.R. RAGHUNATHA

Guide

Ranganath. M.S.

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

CERTIFICATE

This is to certify that the project entitled "Rayleigh-Bénard convection in Newtonian fluids" is the bonafide work carried out by Meghashree M student of M.Sc., Department of Mathematics, (MT191020) Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Dr. K.R. RAGHUNATHA

Guide

Dr D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Dr. Ashwini Yalnaik.

CERTIFICATE

This is to certify that the project entitled **"A STUDY ON COMPLEX ANALYSIS"** is the bonafide work carried out by NEHA BANU student of M.Sc., MTL9I021 Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Mr. MAHESH G BARKI

Guide

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

Dr. Ashwini Yalily

DAVANGERE UNIVERSITY

SHIVAGANGOTRI, DAVANGERE-577002

CERTIFICATE

This is to certify that the project work entitled "**HYBRID NANOFLUIDS AND ITS APPLICATIONS**" submitted to the Department of Mathematics by Niveditha Girish Ambigera student of IV semester in Mathematics under the guidance of Dr. B.C.Prasannakumara, **Associate Professor**, Department of Mathematics, for the partial fulfilment of the requirement for award of the degree **Master of science** in **Mathematics** as per Davangere University regulations during the academic 2020-21.

MT191022

Project guide:

(Dr.B.C.Prasannakumara)

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

External Examiner:

(1)...................................

(2)...................................

Internal Examiner:

(1)...................................

(2)...................................

DAVANGERE UNIVERSITY

SHIVAGANGOTRI, DAVANGERE-577002

CERTIFICATE

This is to certify that the project work entitled "GOVERNING EQUATIONS OF FLUID FLOW OF NEWTONIAN AND NON-NEWTONIAN FLUIDS" submitted to the Department of Mathematics by POOJA C student of IV semester in Mathematics under the guidance of Dr. B.C.Prasannakumara, **Associate Professor**, Department of Mathematics, for the partial fulfilment of the requirement for award of the degree **Master of science** in **Mathematics** as per Davangere University regulations during the academic 2020-21.

MT191023

Project guide:

(Dr.B.C.Prasannakumara)

Chairman:
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

External Examiner:

(1)......................

(2)......................

Internal Examiner:

(1)......................

(2)......................

DAVANGERE 🏛 UNIVERSITY
Department of Mathematics
Shivagangothri, Davangere-577 007, INDIA

Dr. ASHWINI S. YALNAIK

Assistant Professor

E-mail: *ashwinisydud@gmail.com*

Phone No: +91-9945810477

CERTIFICATE

This is to certify that the project work entitled *"THE BFS AND DFS OF A GRAPH"*

submitted by **POOJA K.N.** to the **Department of Mathematics, Davangere University,**

MTI91024

Davangere- 577007, for the partial fulfillment of the Award of **MASTERS OF**

SCIENCE for the academic year 2020-21, under my guidance and this project has not

been submitted for the award of any other degree, diploma, associate ship, fellowship etc.,

of any other University or Institute.

Place: Davangere

ASHWINI S. YALNAIK

Date: 21|10|2021

CHAIRMAN

(Dr. D.G. PRAKASHA)

26|10|2021

Ranganath.M.S

DAVANGERE UNIVERSITY

Department of Mathematics

Shivagangothri, Davangere-577007

CERTIFICATE

MT191025

This is to certify that the project entitled *"The Relationship between The Energy of Graphs and The Status Connectivity Indices"* is the bonafide work carried out by **POOJA.S.** Student of M.Sc. Department of Mathematics, Davangere University, Shivagangothri, Davangere-577007, during the year 2020-2021 in partial fulfillment of the requirements for the award of degree of Master of Science in Mathematics and that the work as not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Dr.Ashwini Yalnaik

Guide

Rayanath.NAS.

Dr.D.G.Prakasha

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

CERTIFICATE

This is to certify that the project entitled *"An effect of Magnetohydrodynamics flow of a Walter's Liquid B due to a stretching sheet"* is the bonafide work carried out by **PRIYANKA K. M.Sc.,** MT191026 **Department of Mathematics, Davangere University, Shivagangotri, Davangere-577007,** during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

Chairman

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007
Dr. D.G. Prakasha

Guide

Dr. U.S. MAHABALESHWAR
Dr. U.S Mahabaleshwar
M.Sc., M.ph., Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Examiner :

Dr. chetana Gali

CERTIFICATE

This is to certify that the project entitled "PLANAR GRAPHS BIPLANAR GRAPHS AND GRAPH THICKNESS" is the bonafide work carried out by RAMYA.K.V student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Rt 25/10/2021

Mr.RANGANATH M.S

Guide

Reg. No:- MT191027

Dr. D.G. PRAKASHA

Chairman

Dr. Ashwini Yadav

CERTIFICATE

This is to certify that the project entitled "The application of Hermite wavelet method to nonlinear differential equations arising in heat transfer problems" is the bonafide work carried out by RASHMI.K. (MT191028) Student of M.Sc. Department of Mathematics, Shivagangothri Campus, Davanagere-577007, during the year 2020-2021 in partial fulfillment of the requirements for the award of degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

Dr.K.R. Raghunatha.

Guide

Dr. D.G. Prakasha
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

26/10/2021

Dr. Ashwini Yalnal

2

CERTIFICATE

This is to certify that the project entitled "COMPLEX INTEGRATION AND MEROMORPHIC FUNCTIONS" is the bonafide work carried out by ROJA S student of [MTL91029] M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Mr.MAHESH BARKI

Guide

Dr. D.G. PRAKASHA
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 0

CERTIFICATE

This is to certify that the project entitled **"THE FLOW OF WALTERS' LIQUID B DUE TO STRETCHING SHEET"** _is the bonafide work carried out by **SACHIN M** student of M.Sc., Department of Mathematics, Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

MT1 $\mathbf{9}$ 1030

Guide

Chairman

Dr. U.S. MAHABALESHWAR

Dr. U.S Mahabaleshwar
M.Sc., M.pl '. Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Dr. D.G. PRAKASHA
Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

Examiner:

Dr. chetana Gali

1. CERTIFICATE

This is to certify that the project work entitled Micro channel Heat Transfer

With Functional Features and Theoretical Analysis as been carried out by

Sadiya Khanum student of M.Sc. IV semester in MATHEMATICS under my

MT191031

supervision. This project is submitted in partial fulfillment of the requirement

for the award of the degree of Master of science in Mathematics during the

academic year 2021-22. This project or part of this has been previously

submitted to any other Diploma or Degree.

Project Guide

Chairman

Examiners:

(1)

(2)

CERTIFICATE

This is to certify that the project entitled "Rayleigh-Bénard convection in Newtonian fluids" is the bonafide work carried out by SAHANA A student of M.Sc., Department of Mathematics, (MT191032) Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Dr. K.R. RAGHUNATHA

Guide

Dr. Ashwini Yalnaik.

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

CERTIFICATE

This is to certify that the project entitled "*Analysis of boundary layer flow of a non-Newtonian Casson fluid flow over a stretching/shrinking sheet with transpiration and Navier's slip*" is the bonafide work carried out by SHEETHAL. B. N student of M.Sc., Department of

MT491033

Mathematics, Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

Guide

Dr. U.S. MAHABALESHWAR

Dr. U.S Manabaleshwar
M.Sc., M.phl., Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Chairman

Chairman
Department of Mathematics
Dr. D.G. PRAKASHA
Davangere University
Shivagangotri, Davangere - 577 007

Examiner :

Dr. Chetana Gali

CERTIFICATE

This is to certify that the project entitled **"FUZZY TOPOLOGY"** is the bonafide work carried out by SHILPA O student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Mr. MAHESH G BARKI

Guide

Shilpa.O
MT191034

Dr. D.G. PRAKASHA
Chairman
Department of Mathematics
Chairman
Davangere University
Shivagangotri. Davangere - 577 007

Dr. Ashwini Yalady

DAVANGERE UNIVERSITY

Department of Studies in Mathematics,
Shivagangothri, Davangere-577 007, India

CERTIFICATE

This is to certify that the project work entitled **"A Study on Algebraic Topology"** submitted to the department of Mathematics by Shwetha N. (Register Number: MT191035), Student of IV Semester M.Sc.in MATHEMATICS under theguidance of Dr.D. G. Prakasha, Associate Professor, Department of Mathematics, for the partial fulfillment of the requirement for award of the Degree Master of Science in Mathematics as per Davangere University regulations during the academic **2020-21**.

Project Guide

(Dr.D. G. Prakasha)

Chairman
Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

External Examiner:

Internal Examiner:

(1).....................

26-10-2021

(2).....................

CERTIFICATE

This is to certify that the project entitled "COMPLEX INTEGRATION AND MEROMORPHIC FUNCTIONS" is the bonafide work carried out by SIDDANAGOWDRU.S.O student of M.Sc., Department of Mathematics, Davangere

MT191036

University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

01|10|2021

Mr.MAHESH BARKI

Guide

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

26|10|2021

CERTIFICATE

This is to certify that the project entitled " **ENERGY OF GRAPH**" is the bonafide work carried

out by SNEHA M ACHAR student of M.Sc., Department of Mathematics, Davangere University,
MT191037

Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment

of the requirements for the award of the degree of Master of science in mathematics and that the

work has not formed the basis of any degree, diploma, associateship, fellowship or any other

similar title previously.

Mr. RANGANATH.M.S

Guide

Prof. D.G. PRAKASHA

Chairman

Dr.

CERTIFICATE

This is to certify that the project entitled "*An exact solution of non-Newtonian Casson fluid flow for Non- Newtonian fluid over a stretching sheet with mass transpiration*" is the bonafide work carried out by SOWMYA V student of M.Sc., Department of Mathematics,

MT1 91038

Davangere University, Shivagangotri, Davangere-577007, during the year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Master of science in Mathematics and that the work has not formed the basis of any degree, diploma, associate ship, fellowship or any other similar title previously.

Guide

Dr/U.S. MAHABALESHWAR

Dr. U.S Mahabaleshwar
M.Sc., M.phi'., Ph.D
Professor & Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577 007

Chairman

Chairman
Department of Mathematics
DIRECTOR, PRAKASHACS
Davangere University
Shivagangotri, Davangere - 577 007

Examiner:

Dr. Chetana Gali

DAVANGERE   UNIVERSITY
Department of Mathematics
Shivagangothri, Davangere-577 007, INDIA

Dr. ASHWINI YALNAIK   E-mail: *ashwinisydud@gmail.com*
Assistant Professor   Phone No: +99945810477

CERTIFICATE

This is to certify that the project work entitled **"THE SECOND STATUS CONNECTIVITY INDEX OF LINE GRAPH"** submitted by SREE LAKSHMI G.K (MTJ91039)

to the **Department of Mathematics, Davangere University, Davangere- 577007,** for

the partial fulfillment of the Award of **MASTERS OF SCIENCE** for the academic

year 2020-21, under my guidance and this project has not been submitted for the award

of any other degree, diploma, associate ship, fellowship etc., of any other University or

Institute.

ASHWINI YALNAIK

Place: Davangere

Date: 21/10/2021

CHAIRMAN

Ranganath.M.S.

DAVANGERE UNIVERSITY

Department of Studies in Mathematics,
Shivagangothri, Davangere-577 007, India

CERTIFICATE

This is to certify that the project work entitled "Graph Theory" submitted to the department of Mathematics by SUMA R. (Register Number: MT191041), Student of IV Semester M.Sc.in MATHEMATICSunder theguidance of Dr. D. G. Prakasha,Associate Professor,Department of Mathematics, for the partial fulfillment of the requirement for award of the DegreeMaster of Science in Mathematicsas per Davangere University regulations during the academic 2020-21.

Project Guide

(Dr.D. G. Prakasha)

Chairman
Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

External Examiner:

Internal Examiner:

(1)..........................

26.10.2021

(2).........................

CERTIFICATE

This is to certify that the project entitled **"Linear stability analysis of Rayleigh-Bénard convection "** is the bonafide work carried out by SUMMIYA BANU student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Reg no: MT19104a

Dr. K.R. RAGHUNATHA

Guide

Dr. D.G. PRAKASHA

Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere - 577007

26/10/2021

DAVANGERE UNIVERSITY

Department of Studies in Mathematics
Shivagangothri, Davangere-577 007, India

CERTIFICATE

This is to certify that the project work entitled "A Study on Modules" submitted to the department of Mathematics by Swathi T. T. M. Student of NTT2 940443 IV Semester M.Sc.in MATHEMATICS under theguidance of Dr. D. G. Prakasha, Associate Professor, Department of Mathematics, for the partial fulfillment of the requirement for award of the Degree Master of Science in Mathematicsas per Davangere University regulations during the academic 2020-21.

Project Guide

(Dr. D. G. Prakasha)

Chairman
Department of Mathematics
Davangere University
Shivagangotri. Davangere - 577 007

External Examiner:

Internal Examiner:

(1)...................... 26.10.2024

(2).........................

CERTIFICATE

This is to certify that the project entitled "STRUM LIOUVILLE THEORY" is the bonafide work carried out by TABASUM BANU [MT 19104 4] student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere-577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

Mr. RANGANATH M. S

Guide

22/10/2021

Prof. D.G. PRAKASHA
Chairman
Department of Mathematics
Davangere University
Shivagangotri, Davangere

26/10/2021

Dr. Ashwini Yalnle

CERTIFICATE

This is to certify that the project entitled **"COMPLEX INTEGRATION"** is the bonafide work carried out by VINUTHA T student of M.Sc., Department of Mathematics, Davangere University, Shivagangothri, Tholahunse, Davangere- 577007, during the year 2020-2021, in partial fulfillment of the requirements for the award of the degree of Master of science in mathematics and that the work has not formed the basis of any degree, diploma, associateship, fellowship or any other similar title previously.

13|10|2021

Mr. MAHESH G BARKI

Guide

Vinutha -T

MT191045

Dr. D.G. PRAKASHA
Chairman
Department of Mathematics
Chairman
Davangere University
Shivagangotri. Davangere - 577 007

Dr. Ashwini Yadil

1. CERTIFICATE

This is to certify that the project work entitled Differential Transform Method with Pade Approximant for Thermal Analysis of a Fin as been carried out by Yasmeen Banu student of M.Sc. IV semester in MATHEMATICS under my supervision. This project is submitted in partial fulfillment of the requirement for the award of the degree of Master of science in Mathematics during the academic year 2021-22. This project or part of this has been previously submitted to any other Diploma or Degree.

MT191046

Project Guide

Chairman

Examiners:

(1)

(2)