

Name List for Research Project

Department of Mathematics

Course Name: Project

Course Code 22PMS4P1

S. No.	Roll No.	Name of the Student	Guide Name
1	22-PM-01	GOKUL PRASANTH P.	Dr. V. INTHUMATHI
2	22-PM-02	GOKULA KANNAN M.	Dr. J. JAYASUDHA
3	22-PM-03	GOWTHAM T.	Dr. R. SANTHI
4	22-PM-04	KABILAN E.	Dr. V. CHITRA
5	22-PM-05	KARTHIKEYAN R.	Dr. S. SIVASANKAR
6	22-PM-06	MANIKANDAN K.	Dr. S. KALEESWARI
7	22-PM-07	RAHUL H.	Ms. A. GNANASOUNDARI
8	22-PM-08	SATHEESH KUMAR K.	Dr. M. MAHESWARI
9	22-PM-09	SOMNATH VICKRAM R.	Dr. N. SELVANAYAKI
10	22-PM-10	BHUVANA S.	Dr. V. INTHUMATHI
11	22-PM-11	BRINDHA A.	Dr. J. JAYASUDHA
12	22-PM-12	GAYATHRI E.	Dr. R. SANTHI
13	22-PM-13	JAIDHARSHINI G.	Dr. V. CHITRA
14	22-PM-14	JANANI A. D.	Dr. S. SIVASANKAR
15	22-PM-15	JANANI J.	Dr. S. KALEESWARI
16	22-PM-16	JEEVAPREETHI M.	Ms. A. GNANASOUNDARI
17	22-PM-17	KAVIYA V.	Dr. M. MAHESWARI
18	22-PM-18	KIRUBA B.	Dr. N. SELVANAYAKI
19	22-PM-19	PRIYADHARSHINI B.	Dr. V. INTHUMATHI
20	22-PM-20	RAJA RAJESHVARI K.	Dr. J. JAYASUDHA
21	22-PM-21	SHANMUKHAPRIYA B.	Dr. R. SANTHI
22	22-PM-22	SWATHI V.	Dr. V. CHITRA
23	22-PM-23	THILAGAVATHY T.	Dr. S. SIVASANKAR
24	22-PM-24	VINITHARADEVI T.	Dr. S. KALEESWARI
25	22-PM-25	YASOTHA R.	Ms. A. GNANASOUNDARI


Head of the Department

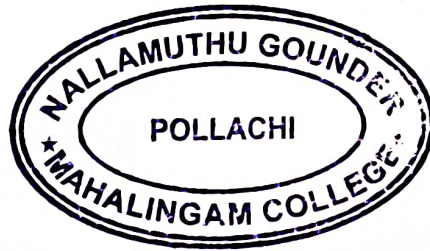
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

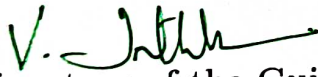

Principal
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON APPLICATIONS OF MATRICES" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a record of original work done by **Mr. P. GOKUL PRASANTH (Reg.No: 22-PM-01)** during the period (2022-2024) of his study in the Department of Mathematics at **NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI**, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

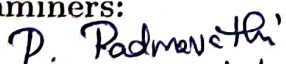



Signature of the Guide

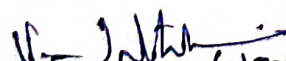

Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva-Voce Examination held on 23/4/2024 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

1. 
23/4/2024

[External]

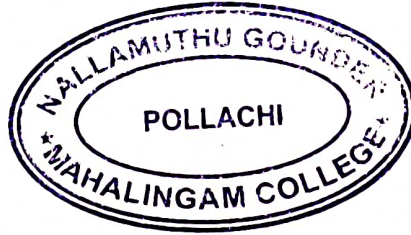
2. 
23/4/2024

[Internal]

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON FEW TOPICS IN NUMBER THEORY" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a record of original work done by **Mr. M. GOKULAKANNAN (Reg.No: 22-PM-02)** during the period **2022-2024** of his study in the Department of Mathematics at **NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI**, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



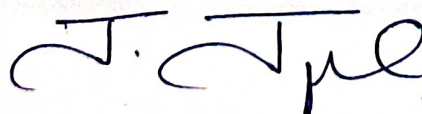

Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

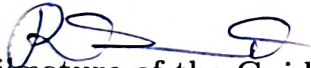
Examiners:

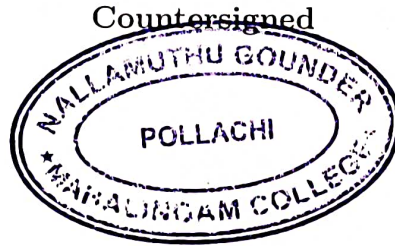
1. P. Padmavathi  23/4/24 (External)

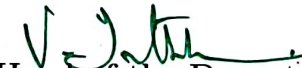
2.  23/4/2024

CERTIFICATE

This is to certify that the project entitled, " A STUDY ON INTEGER PROGRAMMING PROBLEM" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Mr. T. GOWTHAM (Reg.No: 22-PM-03) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.


Signature of the Guide




Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

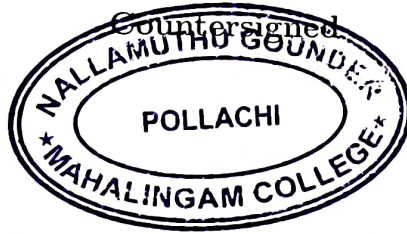
Submitted for the Viva - Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

1. P. Radmuthi 23/4/2024 [External]
2.  23/4/24 [Internal]

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON NON LINEAR PROGRAMMING AND SEPARABLE PROGRAMMING" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Mr. E. KABILAN (Reg.No: 22-PM-04) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.



Signature of the Guide

Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23/4/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

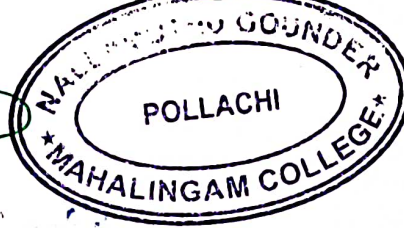
Examiners:

1. P. Padmavathi 23/4/2024 [Internal]
2. [Signature] 23/4/24 [Internal]

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON HARMONIC INDEX FOR UNICYCLIC GRAPHS AND TREES" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of work done by Mr. R. KARTHIKEYAN (Reg.No: 22-PM-05) during the period 2022-2024 of his study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

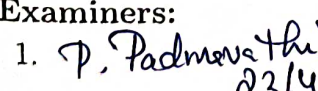
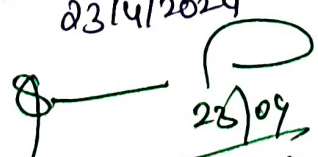


Signature of the **DR. S. SRAGAN** M.Sc., M.Phil., Ph.D.
Associate Professor
Department of Mathematics
N.G.M. College (Govt. Aided)
Pollachi - 642001, Tamil Nadu, India


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23.04.2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

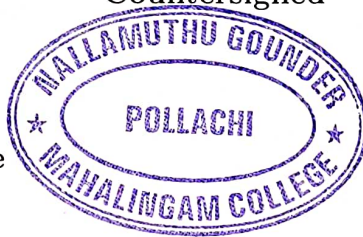
1.  [External]
23/4/2024
2. 
23/04/2024.

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON FUZZY SET AND ITS APPLICATIONS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Mr. K. MANIKANDAN (Reg.No: 22-PM-06) during the period 2022-2024 of his study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

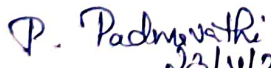
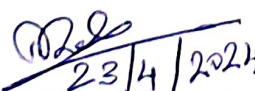

Signature of the Guide




Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23.04.2024 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

1.  [External]
23/4/2024
2.  [Internal]
23/4/2024

CERTIFICATE

This is to certify that the project entitled, " A STUDY ON SOFT SOMEWHAT OPEN SETS AND SOFT SOMEWHAT CONTINUOUS FUNCTIONS " submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Mr. H. RAHUL (Reg.No : 22-PM-07) during the period (2022-2024) of his study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

A. Cundr.

Signature of the Guide



V. Inthumathi
Head of the Department,
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23-04-2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

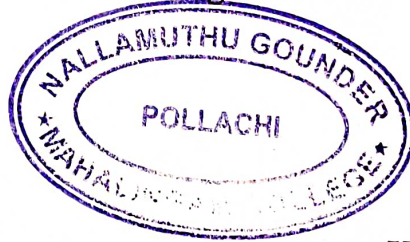
1. P. Radmaveethi [External]
23/4/2024

2. A. Cundr. [Internal]

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON MATHEMATICAL MODELLING THROUGH GRAPHS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Mr. K. SATHEESH KUMAR (Reg.No.22-PM-08) during the period (2022-2024) of his study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



M. Mall

Signature of the Guide

V. Inthumathi

Head of the Department

Dr. V. Inthumathi, Ph.D.,

Associate Professor & Head
Department of Mathematics

N.G.M College, Pollachi - 642 001.

Submitted for the Viva-Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

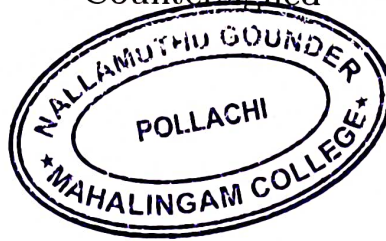
Examiners:

1. *P. Padmanabhi* [External]
23/4/2024
2. *M. Mall* [Internal]
23/4/2024

CERTIFICATE

This is to certify that the project entitled, "AN APPLICATION OF DIFFERENTIAL EQUATIONS IN THE STUDY OF ELASTIC COLUMNS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of Master of Science in Mathematics 'is a record of study research work done by Mr. R. SOMNATHVICKRAM (Reg.No:22-PM-09) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Signature of the Guide

Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23.04.24 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

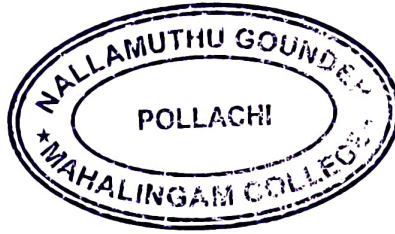
Examiners:

1. P. Padmanabhan [External]
23/4/2024
2. [Internal]
23/4/2024

CERTIFICATE

This is to certify that the project entitled, “ A STUDY ON ROUGH SET THEORY, SOFT SET THEORY AND ITS APPLICATIONS” submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. S. BHUVANA (Reg.No: 22-PM-10) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

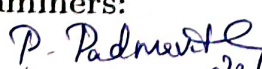



Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001,

Submitted for the Viva-Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College, Pollachi.

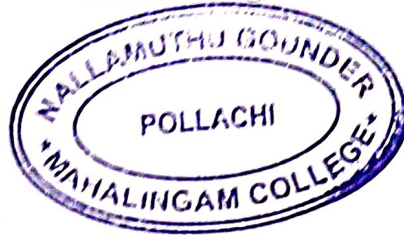
Examiners:

1.  23/4/24 [External]
2.  23/4/24 [Internal]

CERTIFICATE

This is to certify that the project entitled, "MATHEMATICAL MODELING OF THE GLOBAL POSITIONING SYSTEM" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. A. BRINDHA (Reg.No: 22-PM-11) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

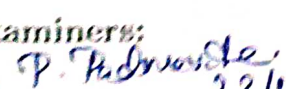
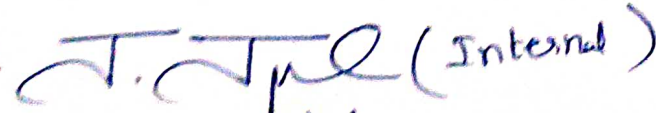



Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

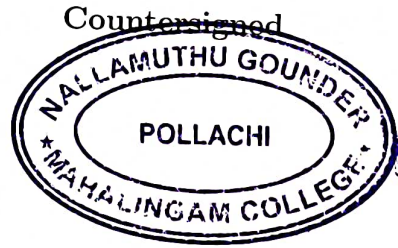
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Examiners:

1.  23/4/24 [External]
2.  23/4/24

CERTIFICATE

This is to certify that the project entitled, " A STUDY ON DECISION MAKING AND ITS APPLICATION" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. E. GAYATHRI (Reg.No: 22-PM-12) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

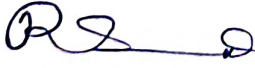



Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23.04.2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

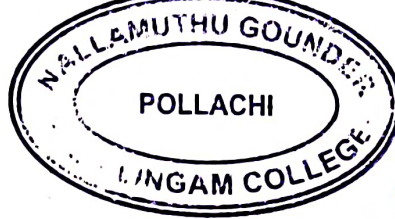
Examiners:

1. P. Padmarathi [External]
23/4/24
2.  [Internal]
23/4/24

CERTIFICATE

This is to certify that the project entitled, " A STUDY ON DYNAMIC PROGRAMMING AND GOAL PROGRAMMING " submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. G. JAIDHARSHINI (Reg.No: 22-PM-13) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

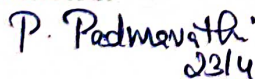


Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

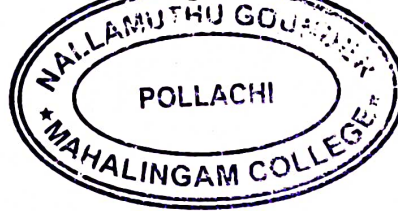
1. P. Padmanabha  23/4/24 [External]

2.  23/4/24 [Internal]

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON UNFOLDING TREES AND SYMMETRICALLY-ASSOCIATED GRAPHS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of work done by Ms. A.D. JANANI (Reg.No: 22-PM-14) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Signature of 
Dr. S. Sivakumar, M.A., M.Phil., Ph.D.,
Associate Professor

Department of Mathematics
N.G.M. College (Govt. Aided)

Pollachi - 642 001, Tamil Nadu, India

Submitted for the Viva - Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Head of the Department

Dr. V. Inthumathi, Ph.D.,

Associate Professor & Head
Department of Mathematics

Examiners:

1. P. Padmanabhi (External)
23/4/2024

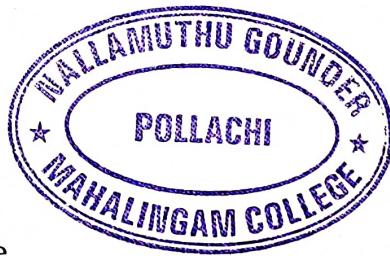
2.


22/04/2024

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON FRACTIONAL CALCULUS AND ITS APPLICATIONS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. J. JANANI (Reg.No: 22-PM-I5) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Signature of the Guide

Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.
at Nallamuthu

Submitted for the Viva - Voce Examination held on
Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

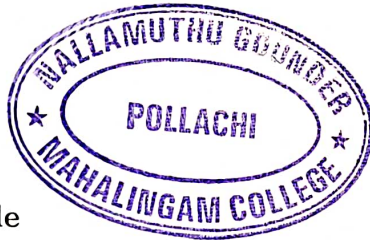
1. P. Padmanabhi [External]
23/4/2024
2. [Internal]
23/4/2024

CERTIFICATE

This is to certify that the project entitled, " A STUDY ON SOFT GENERALIZED** CLOSED SETS AND SOFT GENERALIZED** CONTINUOUS FUNCTIONS IN SOFT TOPOLOGICAL SPACES " submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. M. JEEVAPREETHI (Reg.No: 22-PM-16) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned


Signature of the Guide




Head of the Department

Dr. V. Iathumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics

Submitted for the Viva - Voce Examination held on ~~2004~~ 2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

1. P. Padmavathi [External]
23/4/2024
2. A. C. Suba [Internal]
23/4/24

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON BIPOLAR SOFT SETS: RELATIONS BETWEEN THE BIPOLAR SOFT SETS AND ORDINARY POINTS & ITS APPLICATIONS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. V. KAVIYA (Reg.No.22-PM-17) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



M. Malli
Signature of the Guide

V. Inthumathi
Head of the Department

Dr. V. Inthumathi, Ph.D.
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001

Submitted for the Viva-Voce Examination held on 23-04-2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

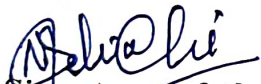
1. *P. Padmanabhan* [External]
23/4/2024
2. *M. Malli* [Internal]
23/04/24

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON MATHEMATICAL TOOLS USING IN CRYPTOGRAPHY" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of Master of Science in Mathematics is a record of study research work done by Ms. B. KIRUBA (Reg.No: 22-PM-18) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned




Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

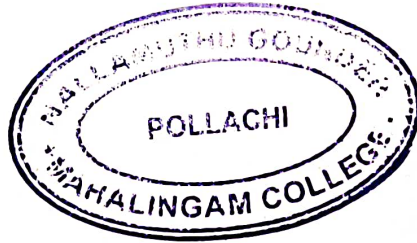
1. P. Padma [External]
23/4/2024

2. B. Kiruba [Internal]
23/4/2024

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON GAME THEORY, QUEUING THEORY AND ITS APPLICATIONS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a record of original work done by **Ms. B. PRIYADHARSHINI** (Reg.No: 22-PM-19) during the period (2022-2024) of her study in the Department of Mathematics at **NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI**, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

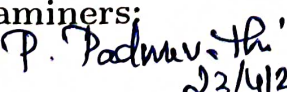



Signature of the Guide


Head of the Department
Dr. V. Inthumathi, Ph.D.
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001

Submitted for the Viva - Voce Examination held on 23/04/2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

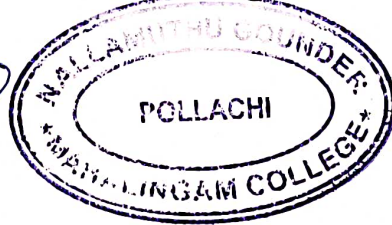
1.  23/4/24 [External]
2.  23/4/24 [Internal]

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON TESSELLATIONS OF THE HYPERBOLIC PLANE", submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. K. RAJA RAJESHVARI (Reg.No.22-PM-20) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

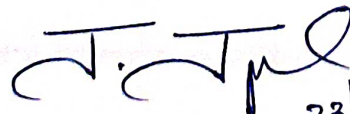

Signature of the Guide




Head of the Department
Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
Nallamuthu Gounder Mahalingam College, Pollachi - 642 001.

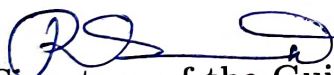
Submitted for the Viva - voce Examination held on 23.04.2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

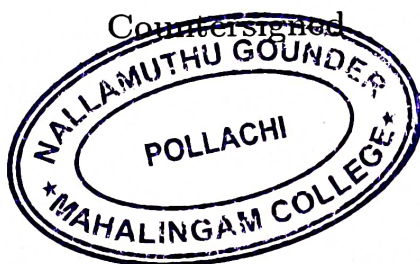
Examiners:

1. P. Padmavathi [External]
23/4/2024
2.  (Internal)
23/4/2024

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON APPLICATIONS OF MATHEMATICS IN FORENSIC SCIENCE AND CRIME INVESTIGATION" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. B. SHANMUKHAPRIYA (Reg.No: 22-PM-21) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.


Signature of the Guide




Head of the Department

Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics

Submitted for the Viva - Voce Examination held on ~~N.C. 23/04/24~~ at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

1. P. Padmavathi 23/4/24 [External]

2.  23/4/24 (Internal)

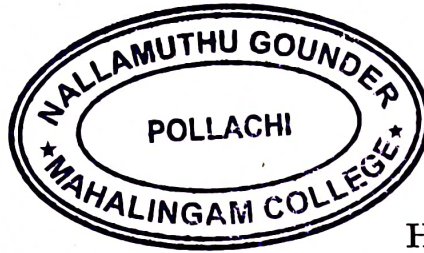
CERTIFICATE

This is to certify that the project entitled, " A STUDY ON SENSITIVITY ANALYSIS AND ITS APPLICATION" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. V. SWATHI (Reg.No: 22-PM-22) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Signature of the Guide



Head of the Department

Dr. V. Inthumathi, Ph.D.,

Associate Professor & Head
Department of Mathematics

N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23-04-2024 at Nallamuthu

Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

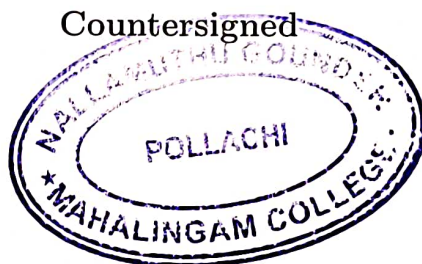
1. P. Padmayathi [External]
23/4/2024

2. [Signature] [Internal]
23/4/24

CERTIFICATE

This is to certify that the project entitled, "A STUDY ON LOCAL VERTEX COLOURING OF GRAPH NEURAL NETWORKS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a record of work done by Ms. T. THILAGAVATHY (Reg.No: 22-PM-23) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned




10/04
2024

Signature of the Guide
Dr. S. SIVASANKAR, M.Sc., M.Phil., Ph.D.,
Associate Professor
Department of Mathematics
N.G.M. College (Govt. Aided)
Pollachi - 642 001, Tamil Nadu, India

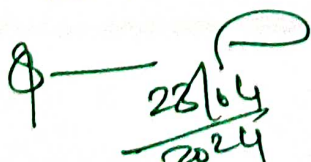

Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23-04-2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

1. P. Padmarathi [External]
23/4/2024

2.

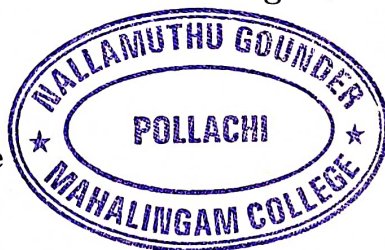

23/04
2024

CERTIFICATE

This is to certify that the project entitled, "OPERATIONS ON FUZZY SETS AND THEIR APPLICATIONS" submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. T. VINITHARADEVI (Reg.No: 22-PM-24) during the period 2022-2024 of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

Signature of the Guide



Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

Submitted for the Viva - Voce Examination held on 23.04.2024 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

1. P. Padmavathi [External]
23/4/2024
2. [Signature] [Internal]
23/4/2024

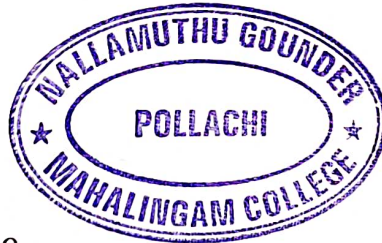
CERTIFICATE

This is to certify that the project entitled, " A STUDY ON EXPANSION AND REDUCTION OF SOFT SETS AND THEIR APPLICATIONS IN DECISION MAKING " submitted to the Department of Mathematics, Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of original work done by Ms. R. YASOTHA (Reg.No: 22-PM-25) during the period (2022-2024) of her study in the Department of Mathematics at NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI, under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

A. C. S.

Signature of the Guide



V. Inthumathi

Head of the Department

Dr. V. Inthumathi, Ph.D.,

Associate Professor & Head
Department of Mathematics

N.G.M College, Pollachi - 642 001.
23-04-2024

Submitted for the Viva - Voce Examination held on 23-04-2024 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Examiners:

1. P. Padmavathi 23/4/2024 [External]

2. A. C. S. 23/4/24 [Internal]

CERTIFICATE

This is to certify that the project entitled , “**APPLICATION OF SOFT SETS IN DECISION MAKING BASED ON GAME THEORY**” submitted to the Department of Mathematics ,Nallamuthu Gounder Mahalingam College(Autonomous),Affiliated to Bharathiyar University, in partial fulfilment of the requirements for the award of the Degree of Master of science in MATHEMATICS is a record of original work done by **KAVYA SRUTHI.M** during the period (2020-2022) of her study in the Department of Mathematics at **NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS), POLLACHI-624 001**, under my supervision and guidance and the project has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship or other similar title to any candidate of any University.


Signature of the Guide


Signature of HOD

submitted for the Viva voice Examination held on 23-04-2024
at Nallamuthu Gounder Mahalingam College,Pollachi.

Examiners :

1. P. Padmavathi [External]
23/4/24
2. V. Gounder [Internal]
23/4/24