



MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Affiliated to Periyar University, Salem.

Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956

Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu.

DEPARTMENT OF MATHEMATICS

Students Undertaking Field Projects / Internships / In-plant Training / Student Projects

Programme: M.Sc. MATHEMATICS

S.No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
1	19MMA1001	BINDHARAN. S				✓
2	19MMA1002	GOWTHAM. S				✓
3	19MMA1003	HEMNATH. S				✓
4	19MMA1004	KARTHICKRAJ. N				✓
5	19MMA1005	KESAVAN. M				✓
6	19MMA1006	SANTHOSH. R				✓
7	19MMA1007	SRIRAM. J				✓
8	19MMA1008	SUBASH. R				✓
9	19MMA1009	VIGNESHWARAN. M				✓
10	19MMA1010	ASWINI. A				✓
11	19MMA1011	CHANDRA. K				✓
12	19MMA1012	GEETHA. D				✓
13	19MMA1013	GOWSALYA. S				✓
14	19MMA1014	KAMALI. K				✓
15	19MMA1015	KIRUTHIKA. S				✓
16	19MMA1016	MOHANAPRIYA.V				✓
17	19MMA1017	MONISA. P				✓
18	19MMA1018	PAVITHRA. D				✓
19	19MMA1019	PREMI. M				✓
20	19MMA1020	SHALINI. N				✓
21	19MMA1021	SHANMUGAPRIYA. R				✓
22	19MMA1022	SOWMIYA. G				✓
23	19MMA1023	VISHALI. T				✓


Head of the Department

Head of the Department of Mathematics,
Mahendra Arts & Science College,

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Namakkal District.


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DEPARTMENT OF MATHEMATICS

List of students completed projects - 2020 - 2021

Programme: M.Sc. MATHEMATICS

S.No.	Register No.	Name of the Student	Title of the Project
1	19MMA1001	BINDHARAN. S	A STUDY DIFFERENTIAL EQUATIONS OF THE FIRST ORDER
2	19MMA1002	GOWTHAM. S	A STUDY ON DIFFERENTIAL EQUATIONS
3	19MMA1003	HEMNATH. S	A STUDY ON GLOBAL ANALYTIC FUNCTIONS
4	19MMA1004	KARTHICKRAJ. N	A STUDY ON THEORY OF SPACE CURVE IN DIFFERENTIAL GEOMETRY
5	19MMA1005	KESAVAN. M	A STUDY ON DYNAMIC COLORING OF A GRAPH
6	19MMA1006	SANTHOSH. R	A STUDY ON THE ALGEBRA OF SYMMETRY
7	19MMA1007	SRIRAM. J	A STUDY ON UPPER AND LOWER BOUNDS FOR THE ENERGY OF BIPARTITE GRAPHS
8	19MMA1008	SUBASH. R	A STUDY ON LINEAR TRANSFORMATIONS IN ADVANCED ABSTRACT ALGEBRA
9	19MMA1009	VIGNESHWARAN. M	A STUDY ON NON - LINEAR FIRST ORDER PARTIAL DIFFERENTIAL EQUATION
10	19MMA1010	ASWINI. A	A STUDY ON GRAPH COLOURING IN GRAPH THEORY
11	19MMA1011	CHANDRA. K	A STUDY ON NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATION
12	19MMA1012	GEETHA. D	A STUDY ON CANONICAL TRANSFORMATION IN ADVANCED ABSTRACT ALGEBRA
13	19MMA1013	GOWSALYA. S	A STUDY ON DUAL SPACE OF VECTOR SPACE
14	19MMA1014	KAMALI. K	A STUDY ON GRAPH IRREGULARITY STRENGTH
15	19MMA1015	KIRUTHIKA. S	A STUDY ON LOCAL NON -INTRINSIC PROPERTIES OF A SURFACE IN DIFFERENTIAL GEOMETRY
16	19MMA1016	MOHANAPRIYA.V	A STUDY ON SWITCHING NETWORK AND ELECTRICAL NETWORK ANALYSIS IN GRAPH THEORY
17	19MMA1017	MONISA. P	A STUDY ON METRIC AND TOPOLOGICAL SPACES IN FUNCTIONAL ANALYSIS
18	19MMA1018	PAVITHRA. D	A STUDY ON VARIATIONAL CONVEX ANALYSIS


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19	19MMA1019	PREMI. M	A STUDY ON ENUMERATION IN GRAPH THEORY
20	19MMA1020	SHALINI. N	A STUDY ON GENERALIZING FREE ALGEBRAS FOR A FUNCTOR
21	19MMA1021	SHANMUGAPRIYA. R	A STUDY ON MODULES IN ADVANCED ABSTRACT ALGEBRA
22	19MMA1022	SOWMIYA. G	A STUDY ON RANK AND NULLITY OF VECTOR SPACE
23	19MMA1023	VISHALI. T	A STUDY ON NON LINEAR FUNCTIONAL ANALYSIS


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A STUDY ON DIFFERENTIAL EQUATIONS OF THE 1ST ORDER

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

BINDHARAN S

(Reg. No.: 19MMA1001)

Under the guidance of

Mr. P. GOPALAKRISHNAN, M.Sc., M.Phil., (Ph.D.)

Assistant Professor in Mathematics



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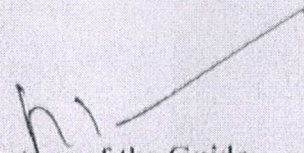

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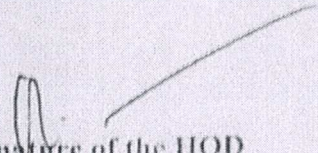
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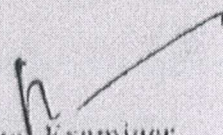
This is to certified that the dissertation entitled "A STUDY ON DIFFERENTIAL EQUATIONS OF THE 1ST ORDER" submitted for the degree of Master of Science in Mathematics by **BINDHARAN S** (Reg. No. : 19MMA1001) under my guidance during 2020 – 2021 and it had not format the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or other similar title and that the dissertation represents independent work on the part of the candidate.

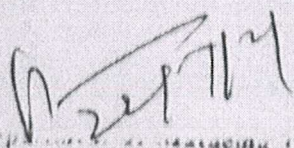

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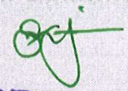
Submitted for the Master of Science in Mathematics Viva Voce Examination held at MAHENDRA ARTS & SCIENCE COLLEGE, (AUTONOMOUS), Kalippatti on 22.07.2021....

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Internal Examiner


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A STUDY ON DIFFERENTIAL EQUATIONS

Dissertation submitted to the

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In partial fulfillment of the requirements for the award of the degree of

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Submitted by

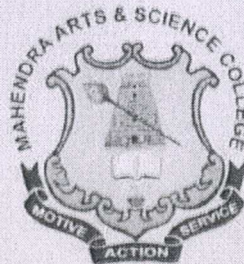
GOWTHAM S

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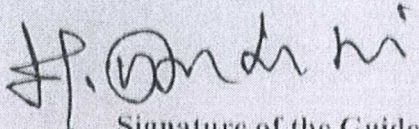
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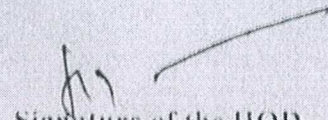
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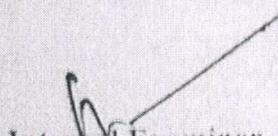
This is to certified that the dissertation entitled "**A STUDY ON DIFFERENTIAL EQUATIONS**" submitted for the degree of Master of Science in Mathematics by **GOWTHAM S** (Reg. No. : 19MMA1002) under my guidance during 2020 – 2021 and it had not format the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or other similar title and that the dissertation represents independent work on the part of the candidate.

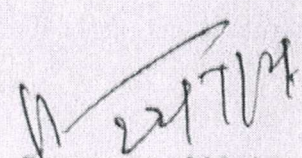

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A STUDY ON GLOBAL ANALYTIC FUNCTIONS

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

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Submitted by

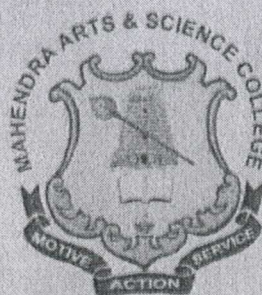
HEMNATH S

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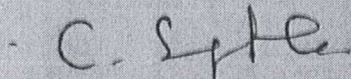
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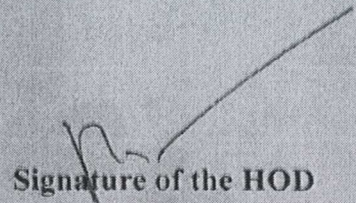
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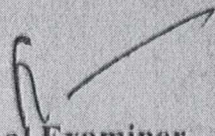
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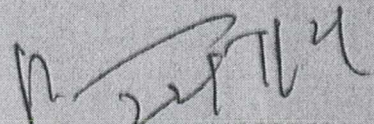

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A STUDY ON THEORY OF SPACE CURVE

Dissertation submitted to the

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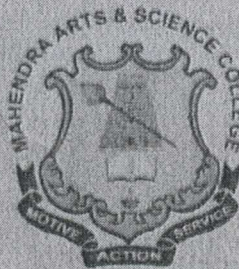
N. KARTHICKRAJ

(Reg. No.: 19MMA1004)

Under the guidance of

Mr. M. DINESHKUMAR, M.Sc., M.Phil., B.Ed

Assistant Professor in Mathematics



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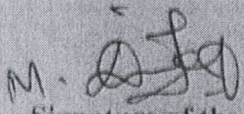
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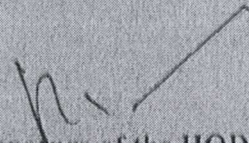
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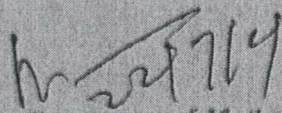
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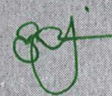


Internal Examiner



Head of the Department of Mathematics
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External Examiner



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Kalippatti (PO) - 637 501, Namakkal (DT)

A STUDY ON THE DYNAMIC COLORING OF A GRAPH

Dissertation submitted to the

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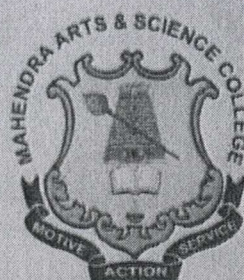
KESAVAN M

(Reg. No.: 19MMA1005)

Under the guidance of

Mr. A S THIRUMURUGAN, M.Sc., M.Phil

Assistant Professor in Mathematics



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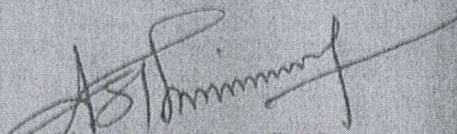
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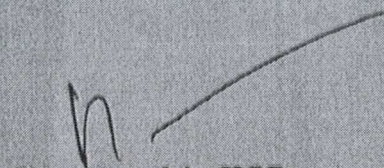
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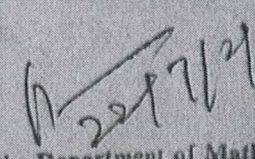
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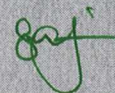


Internal Examiner



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A STUDY ON ALGEBRA OF SYMMETRY

Dissertation submitted to the

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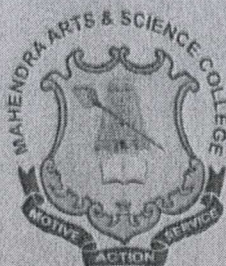
SANTHOSH R

(Reg. No.: 19MMA1006)

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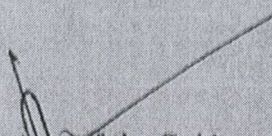
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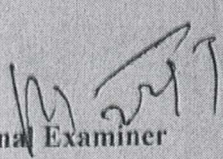
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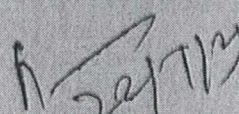

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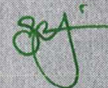
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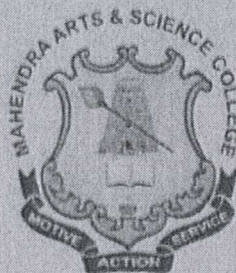
**A STUDY ON UPPER AND LOWER BOUNDS FOR THE
ENERGY OF BIPARTITE GRAPHS**

Dissertation submitted to the
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In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by
J. SRIRAM
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This is to certified that the dissertation entitled 'A STUDY ON UPPER AND LOWER BOUNDS FOR THE ENERGY OF BIPARTITE GRAPHS' submitted for the degree of Master of Science in Mathematics by SRIRAM,J (Reg. No. : 19MMA1007) under my guidance during 2020-2021 and it had not format the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or other similar title and that the dissertation represents independent work on the part of the candidate.



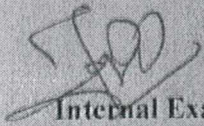
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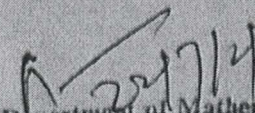
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**A STUDY ON LINEAR TRANSFORMATIONS IN
ADVANCED ABSTRACT ALGEBRA**

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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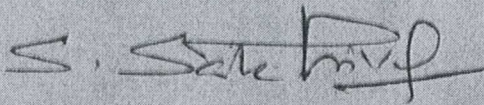
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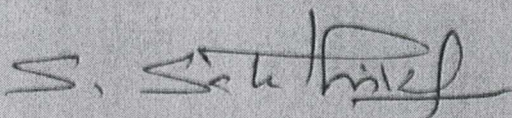
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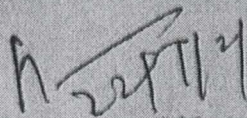
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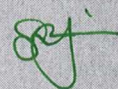


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A STUDY ON NONLINEAR FIRST-ORDER PARTIAL DIFFERENTIAL EQUATIONS

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

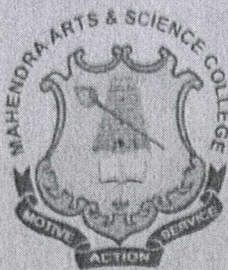
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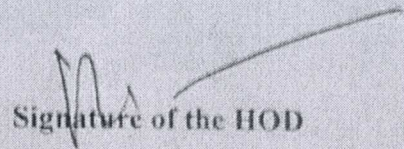
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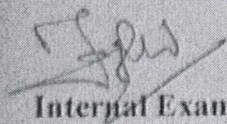
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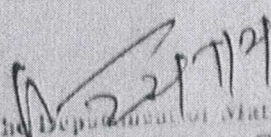
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A STUDY ON GRAPH COLOURING IN GRAPH THEORY

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

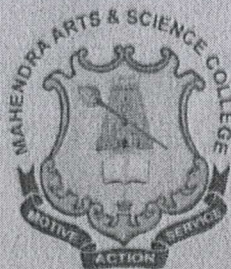
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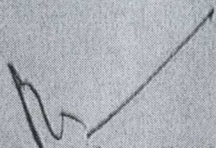
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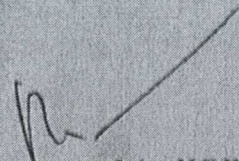
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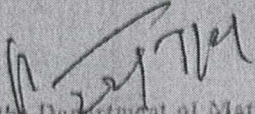

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A STUDY ON NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATION

Dissertation submitted to the

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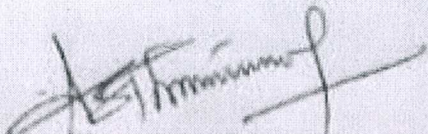
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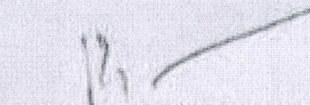
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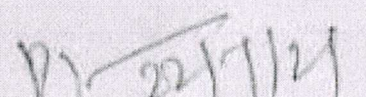
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**A STUDY ON CANONICAL TRANSFORMATION IN
ADVANCED ABSTRACT ALGEBRA**

Dissertation submitted to the

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In partial fulfillment of the requirements for the award of the degree of

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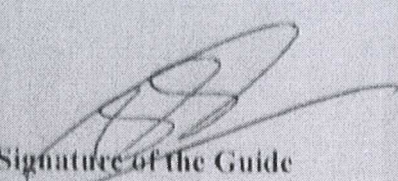
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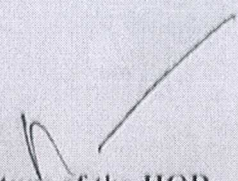
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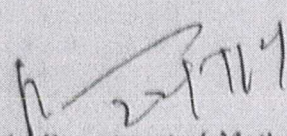

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A STUDY ON DUAL SPACE OF VECTOR SPACE

Dissertation submitted to the

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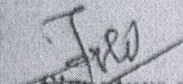
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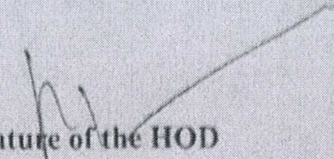
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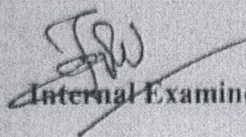
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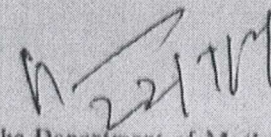

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A STUDY ON GRAPH IRREGULARITY STRENGTH

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

*In partial fulfillment of the requirements for the award of
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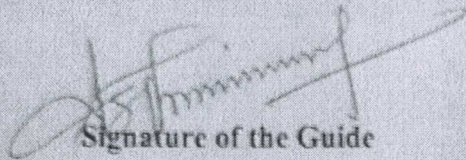
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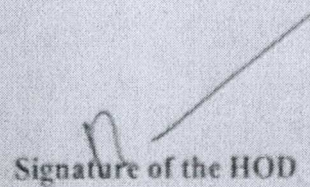
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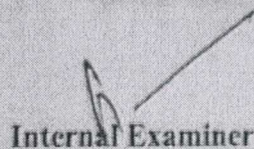
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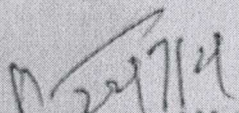

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STUDY ON LOCAL NON-INTRINSIC PROPERTIES OF A SURFACE IN DIFFERENTIAL GEOMETRY

Dissertation submitted to the

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In partial fulfillment of the requirements for the award of the degree of

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Submitted by

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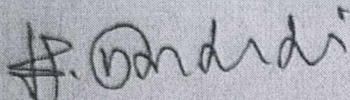
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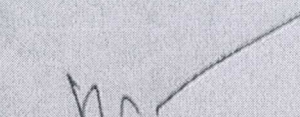
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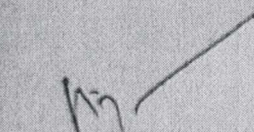
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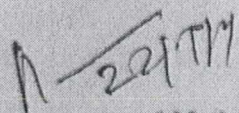

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SWITCHING NETWORK AND ELECTRICAL
NETWORK ANALYSIS BY GRAPH THEORY

Dissertation submitted to the
MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)
In partial fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE IN MATHEMATICS

Submitted by
MOHANAPRIYA V
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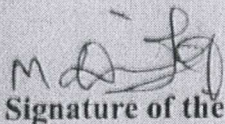
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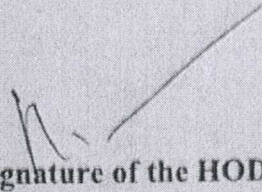

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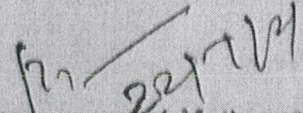
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A STUDY ON METRIC AND TOPOLOGICAL SPACES IN FUNCTIONAL ANALYSIS

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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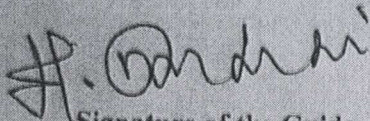
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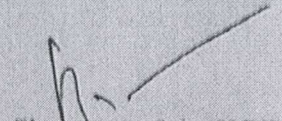
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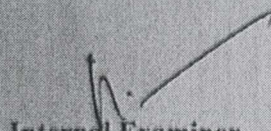
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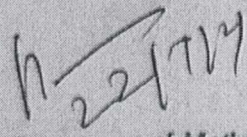

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A STUDY ON VARIATIONAL CONVEX ANALYSIS

Dissertation submitted to the

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MASTER OF SCIENCE IN MATHEMATICS

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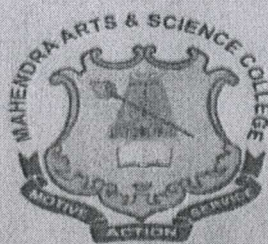
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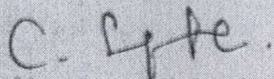
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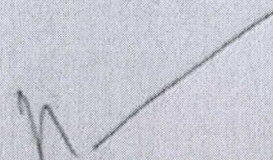
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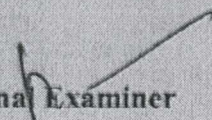
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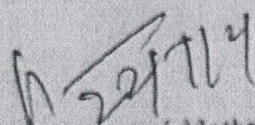

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A STUDY ON ENUMERATION IN GRAPH THEORY

Dissertation submitted to the

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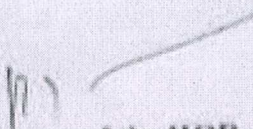
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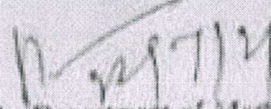

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A STUDY ON GENERALISING FREE ALGEBRA FOR A FUNCTOR

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

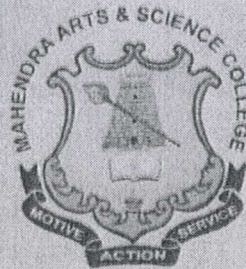
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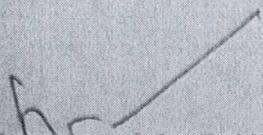
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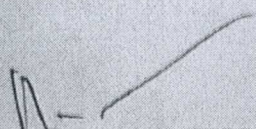
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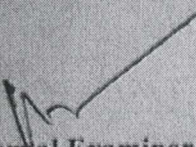
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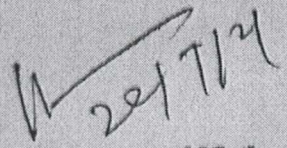

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A STUDY ON MODULES IN ADVANCED ABSTRACT ALGEBRA

Dissertation submitted to the

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In partial fulfillment of the requirements for the award of the degree of

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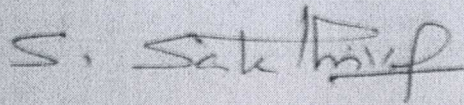
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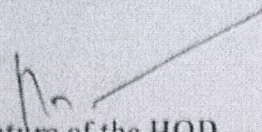
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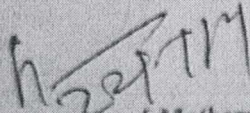
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**A STUDY ON RANK AND NULLITY OF VECTOR SPACE
IN MODERN ALGEBRA**

Dissertation submitted to the
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In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

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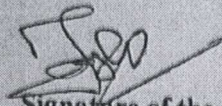
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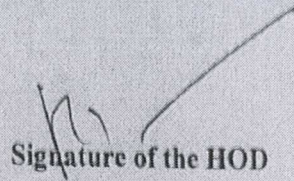
Kalippatti (PO) - 637 501, Namakkal (Dt)

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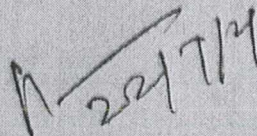
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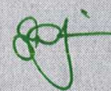


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A STUDY ON NON-LINEAR FUNCTIONAL ANALYSIS

Dissertation submitted to the

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

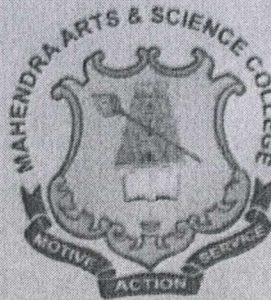
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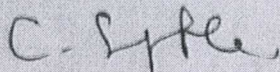
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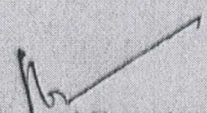
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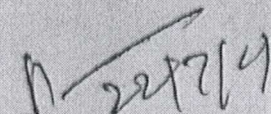



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