

A COMPARATIVE STUDY OF ABOODTH TRANSFORM AND LAPLACE TRANSFORM

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

M. ABIGAIL

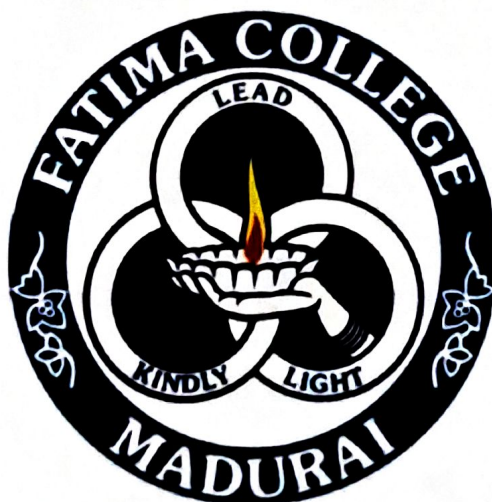
2020MSCM01

Under the Guidance of

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Place: *MADURAI*

Date: *06-06-2022*



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Place: MADURAI

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M. Abigail

M. ABIGAIL

2020MSCM01

A STUDY ON ENERGY OF GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

S. ABINAYA

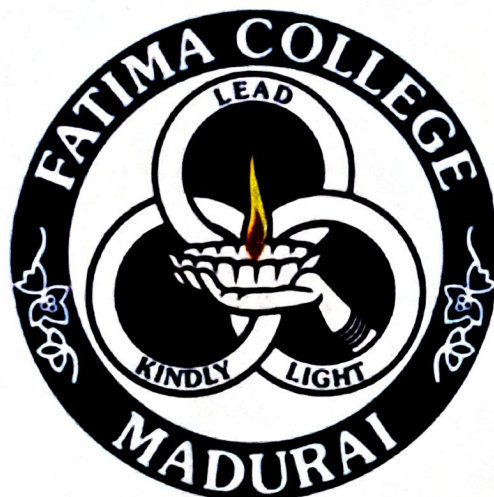
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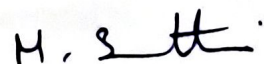
This to certify that this project entitled "**A STUDY ON ENERGY OF GRAPHS**" submitted by **S. ABINAYA (2020MSCM02)** for the award of the degree of Master of Science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

Place: **Madurai**

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Place: Madurai

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2020MSCM02

FUZZY REGULAR GRAPHS AND ON (3,K)REGULAR FUZZY GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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MASTER OF SCIENCE IN MATHEMATICS

Submitted by

S.AISHWARYA

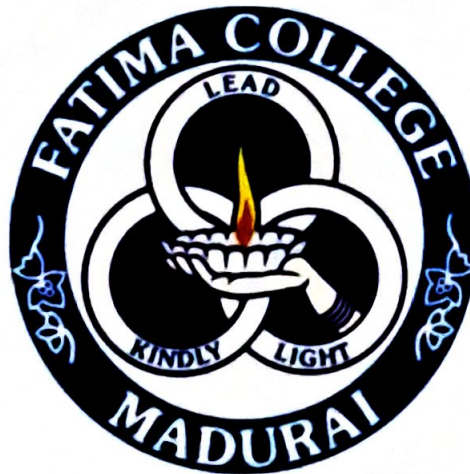
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2020MSCM03

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A STUDY ON LAPLACE TRANSFORM AND J-TRANSFORM IN CRYPTOGRAPHY

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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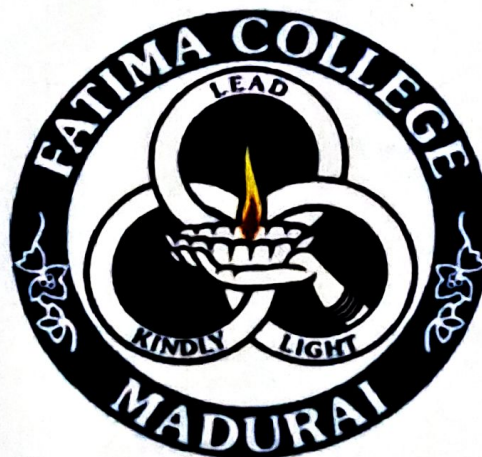
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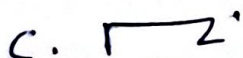
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A STUDY ON b - CHROMATIC NUMBER OF CENTRAL GRAPH OF SOME SPECIAL GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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Submitted by

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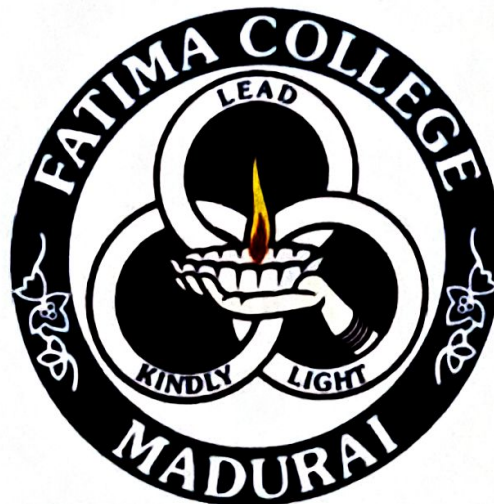
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J. AROCKIA CHRISTY

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Date: 06.06.2022

2020MSCM05

A STUDY ON DIRECT PRODUCT OF MULTIGROUPS AND ITS GENERALIZATION

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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Place: MADURAI

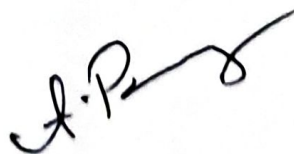
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2020MSCM06

A STUDY ON NEUTROSOPHIC RINGS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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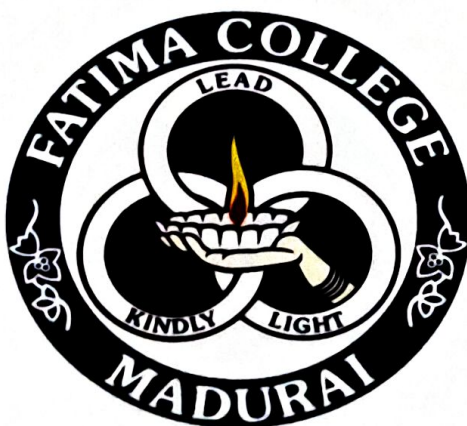
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A STUDY ON FUZZY RELATIONAL DATABASE IN FUZZY SETS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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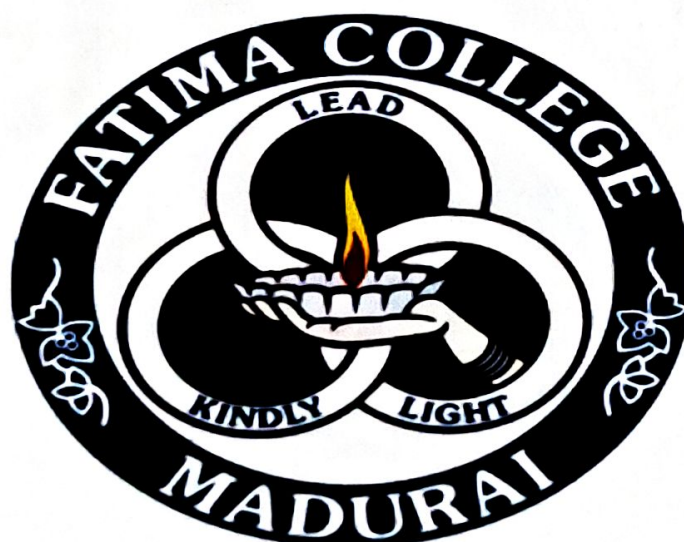
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Place: *Madurai*

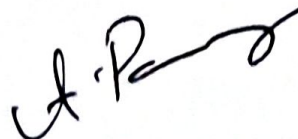
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Place: *Madurai.*

Date: *06.06.2022.*

P. Belsiya Rani.

P.BELSIYA RANI

2020MSCM08

A STUDY ON ANALYTIC MEAN LABELING OF GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

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Submitted by

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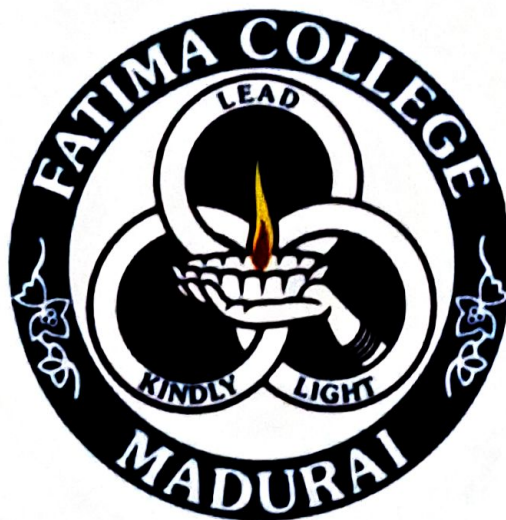
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J. Deepika Geetha

J. DEEPIKA GEOTHANI

2020MSCM09

A COMPARATIVE STUDY OF MAHGOUB TRANSFORM AND ABOODH TRANSFORM

A project work submitted to MADURAI KAMARAJ UNIVERSITY in
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Submitted by

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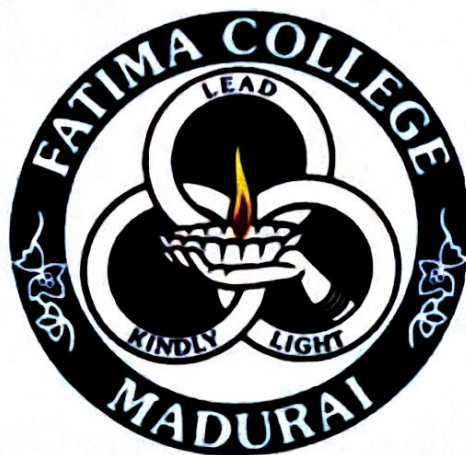
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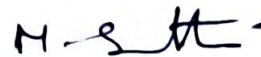
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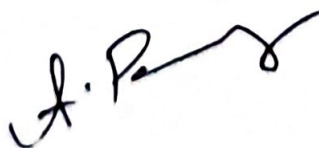
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Place: **MADURAI**

Date: **06.06.2022**

A. Divya Lizy.

A. DIVYA LIZY

2020MSCM10

A STUDY ON HARMONIOUS LABELING OF GRAPH

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment
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MASTER OF SCIENCE IN MATHEMATICS

Submitted by

DIVYA S

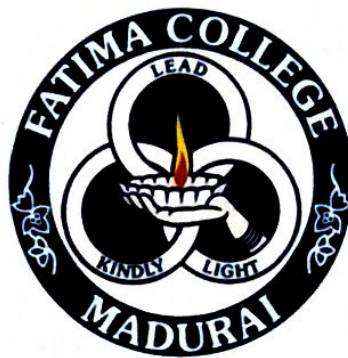
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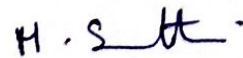
This to certify that this project entitled “**A STUDY ON HARMONIOUS LABELING OF GRAPH**” submitted by **S. DIVYA (2020MSCM11)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

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Place: Madurai
Date: 06.06.2022

S.Divya
S. DIVYA
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TOPOLOGICAL GRAPH THEORY AND THE HEAWOOD PROBLEM

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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Submitted by

M. GOWRI KEERTHANA

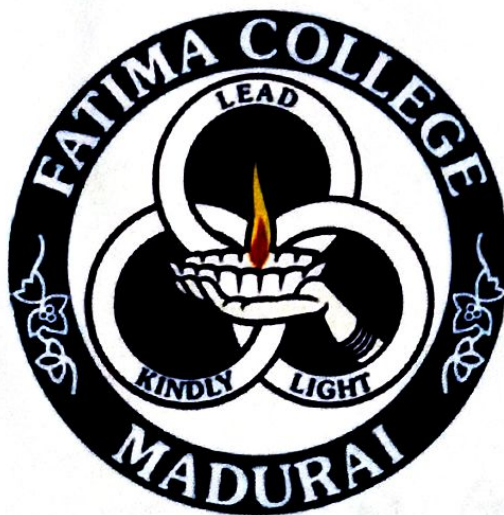
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Assistant Professor

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Dr. Sr. M. FATIMA MARY, M.Sc., M.Phil., Ph.D.,

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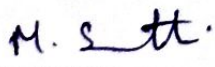
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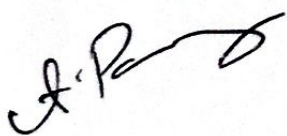
This is to certify that this project entitled "**TOPOLOGICAL GRAPH THEORY AND THE HEAWOOD PROBLEM**" submitted by **M. GOWRI KEERTHANA (2020MSCM12)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

Place: Madurai

Date: 06.06.2022


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**SIGNATURE OF THE
EXTERNAL EXAMINER**


**SIGNATURE OF THE
HEAD OF THE DEPARTMENT**
Dr. A. Paulin Mary
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DECLARATION

I **M. GOWRI KEERTHANA (2020MSCM12)** do hereby declare that this dissertation is a bonafide record of work carried out by me under the guidance and supervision of **Dr. Sr. M. FATIMA MARY, M.Sc., M.Phil., Ph.D.**, Assistant Professor, Department of Mathematics , Fatima College , Madurai affiliated to Madurai Kamaraj University, Madurai in partial fulfillment for the award of degree of **Master of Science in Mathematics** .

M. Gowri Keerthana

Place: Madurai

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M. GOWRI KEERTHANA

2020MSCM12

A STUDY ON SKEW-SYMMETRIC MATRIX AND THREE-PASS PROTOCOL METHOD IN CRYPTOGRAPHY

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment
of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

M. ILAKKIYA

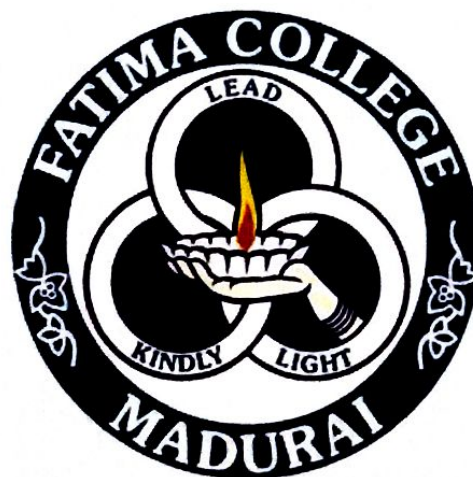
2020MSCM13

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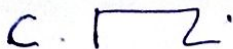
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CERTIFICATE

This to certify that this project entitled “**A STUDY ON SKEW-SYMMETRIC MATRIX AND THREE-PASS PROTOCOL METHOD IN CRYPTOGRAPHY**” submitted by **M. ILAKKIYA (2020MSCM13)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

Place: Madurai

Date: 06.06.2022



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I **M. ILAKKIYA (2020MSCM13)** do here by declare that this dissertation is a bonafide record of work carried out by me under the guidance and supervision of, **Dr. Mrs. C. PRASANNA DEVI, M.Sc., M.Phil., Ph.D.,** Assistant professor, Department of Mathematics, Fatima College, Madurai affiliated to Madurai Kamaraj University, Madurai in partial fulfillment for the award of degree of **Master of Science in Mathematics .**

Place: Madurai

Date: 06.06.2022

M. Ilakkiya

M. ILAKKIYA

2020MSCM13

A STUDY ON b-CHROMATIC NUMBER OF SOME PATH RELATED GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

A. M. JANANE

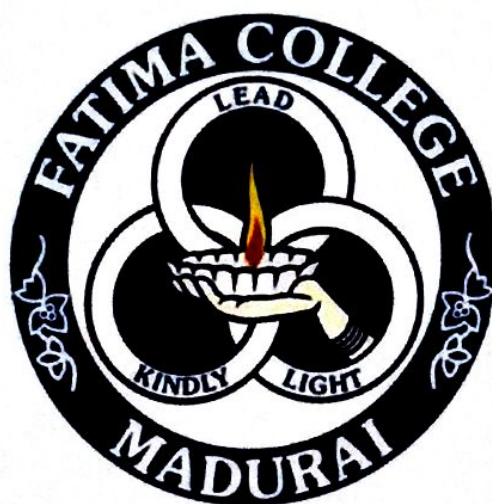
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Place: MADURAI

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A. M. Janane

A. M. JANANE

2020MSCM14

A STUDY ON MATRIX ALGEBRA FOR CRYPTOGRAPHY SETTINGS AND APPLICATIONS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

E. JANCY

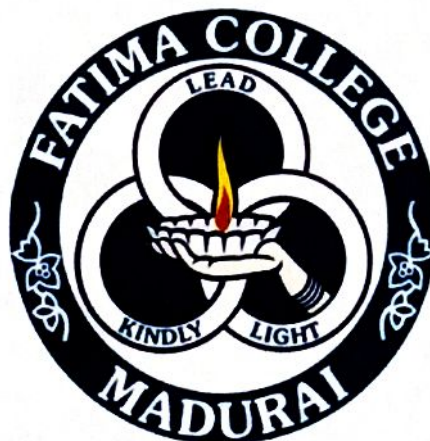
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Place: MADURAI

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Place: MADURAI

Date: 06.06.2022

**E. JANCY
2020MSCM15**

A STUDY ON NEUTROSOPHIC IDEALS IN SUBTRACTION ALGEBRA

A project work submitted to MADURAI KAMARAJ UNIVERSITY in
partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN MATHEMATICS

Submitted by

M. JEYASHIVANI

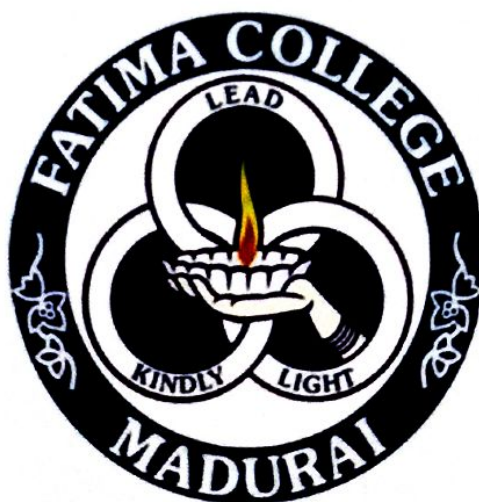
2020MSCM16

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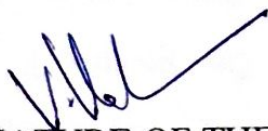
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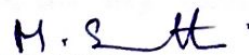
This to certify that this project entitled **“A STUDY ON NEUTROSOPHIC IDEALS IN SUBTRACTION ALGEBRA”** submitted by **M. JEYASHIVANI (2020MSCM16)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

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Date: *06.06.2022*



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M. Jeyashivani

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Date: 06.06.2022

M. JEYASHIVANI
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A STUDY ON VARIOUS DIMENSIONS OF GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment of the requirement for the award of the degree of

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Submitted by

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2020MSCM17

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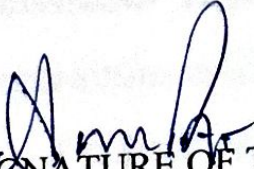
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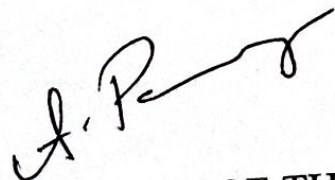
This to certify that this project entitled "**A STUDY ON VARIOUS DIMENSIONS OF GRAPHS**" submitted by **J. JOELIN(2020MSCM17)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

Place: Madurai

Date: 06.06.2022.


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Place: *Madurai*
Date: *06.06.2022*

J. Joelín
J. JOELIN
2020MSCM17

A STUDY ON ELZAKI TRANSFORM WITH VARIOUS DIFFERENTIAL EQUATIONS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

E. KAMALI

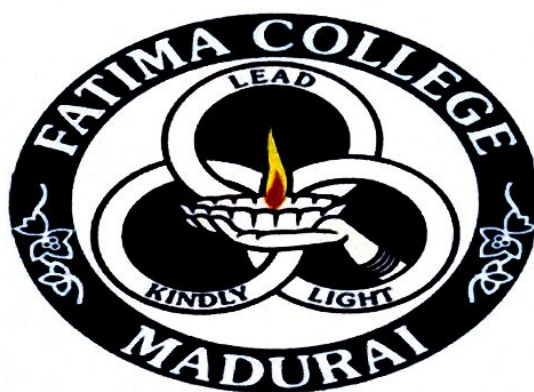
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This is to certify that this project entitled **“A STUDY ELZAKI TRANSFORM WITH VARIOUS DIFFERENTIAL EQUATIONS”** Submitted by **E. KAMALI (2020MSCM18)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

Place: Madurai

Date: 06-06-2022



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E. Kamali

Place: Madurai

E. KAMALI

Date: 06 - 06 - 2022

2020MSCM18

A STUDY ON LEGENDRE POLYNOMIALS AND ITS APPLICATIONS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

S. MOHANAPRIYA

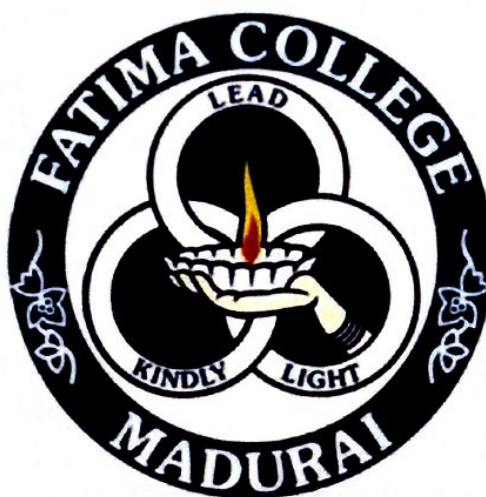
2020MSCM19

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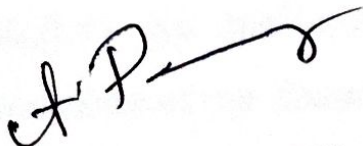
Madurai- 625 018

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This to certify that this project entitled **“A STUDY ON LEGENDRE POLYNOMIALS AND ITS APPLICATION”** submitted by **Ms. S. MOHANAPRIYA(2020MSCM19)** for the award of the degree of Master of science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

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S. Mohanapriya.

S. MOHANAPRIYA

2020MSCM19

A STUDY ON STAR DECOMPOSITION OF GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

A. NAGA NANDHINI

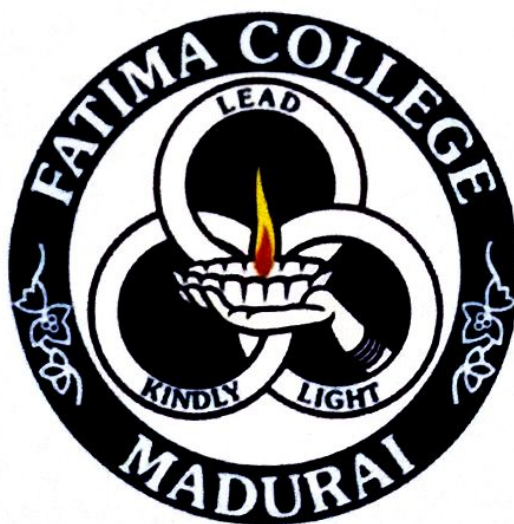
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Place: MADURAI

Date: 06.06.2022



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Date: 06-06-2022



A. NAGA NANDHINI

2020MSCM20

FUZZY MULTIGROUPS AND SUBMULTIGROUPS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in
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Submitted by

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Date: *06.06.2022*


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Place: Madurai

Date: 06.06.2022

Pratheba . T

T. PRATHEBA

2020MSCM21

A STUDY ON IMAGE ENCRYPTION TECHNIQUE COMBINING ELLIPTIC CURVE CRYPTOSYSTEM WITH HILL CIPHER

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

M. RAJESWARI

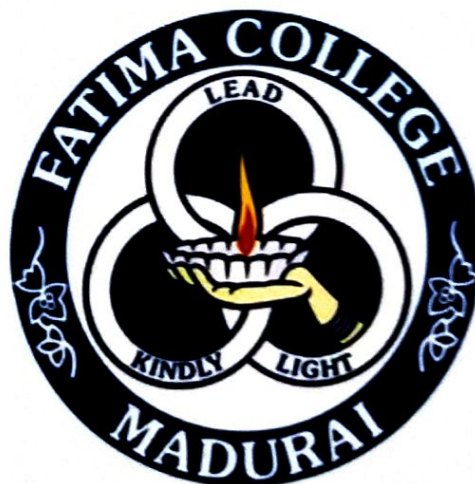
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This to certify that this project entitled **"A STUDY ON IMAGE ENCRYPTION TECHNIQUE COMBINING ELLIPTIC CURVE CRYPTOSYSTEM WITH HILL CIPHER"** submitted by **M. RAJESWARI (2020MSCM22)** for the award of the degree of Master of Science in Mathematics is a bonafide record of work carried out by her under my guidance and supervision.

Place: Madurai

Date: 06.06.2022

C. P. 2.

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Place: Madurai
Date: 06.06.2022


M. RAJESWARI
2020MSCM22

A STUDY ON b CHROMATIC NUMBER OF PRISM GRAPH FAMILIES

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

C. RATHINA JOTHI

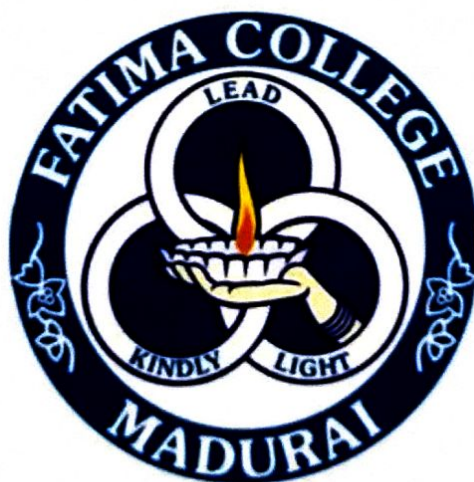
2020MSCM23

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Place:Madurai

Date: 06.06.2022



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Dr. A. Paulin Mary
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DECLARATION

I **C. RATHINA JOTHI** (2020MSCM23) do hereby declare that this dissertation is a bonafide record of work carried out by me under the guidance and supervision of **Dr. Mrs. E. HELENA**, M.Sc., M.Phil., PGDCA, Ph.D., Assistant professor, Department of Mathematics , Fatima College , Madurai affiliated to Madurai Kamaraj University, Madurai in partial fulfilment for the award of degree of **Master of Science in Mathematics** .

Place: Madurai

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C. Rathina Jothi

C.RATHINA JOTHI

2020MSCM23

A STUDY ON DIVISOR CORDIAL GRAPHS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

C. RUPIKA

2020MSCM24

Under the Guidance of

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FATIMA COLLEGE (AUTONOMOUS)

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STUDY ON RESULTS OF FUZZY MATRICES

A project work submitted to MADURAI KAMARAJ UNIVERSITY
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degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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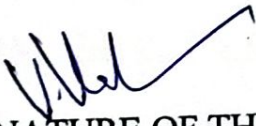
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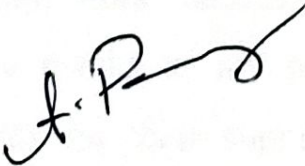
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Place: *Madurai*

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A STUDY ON PARTIAL DIFFERENTIAL EQUATION

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment of the requirements for the award of the degree of

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Submitted by

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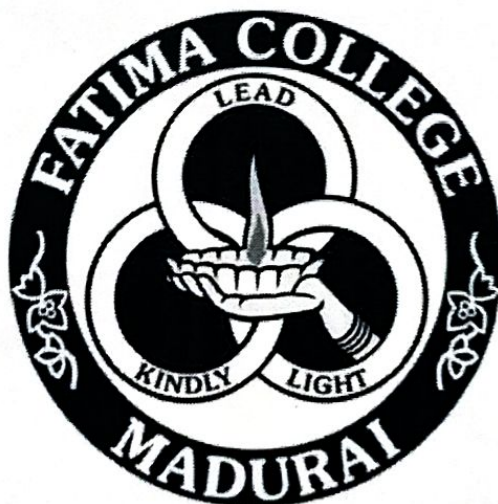
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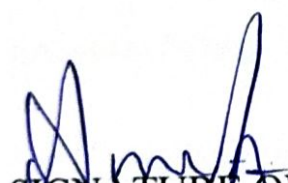
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**A STUDY ON LAPLACE TRANSFORM FOR SOLVING FIRST KIND
LINEAR VOLTERRA INTEGRAL EQUATION AND CONVOLUTION
TYPE SECOND KIND LINEAR VOLTERRA INTEGRAL EQUATION**

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfilment of the requirements for the award of the degree of

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Submitted by

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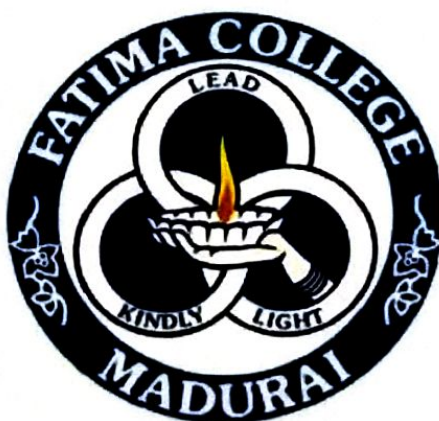
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A COMPARATIVE STUDY OF ELZAKI TRANSFORM AND LAPLACE TRANSFORM

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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MASTER OF SCIENCE IN MATHEMATICS

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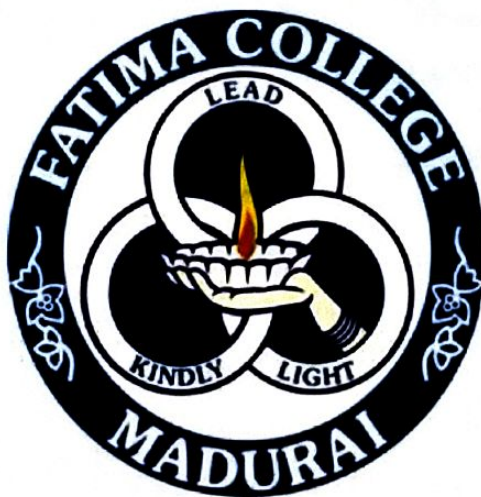
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Place: *Madurai*

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A STUDY ON UNIT GRAPHS ASSOCIATED WITH RINGS

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Place: Madurai

Date: 06.06.2022



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Sharon

Place: Madurai **SHEEBA R**

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Date: 06/06/2011

A STUDY ON INVERSE FUZZY GRAPH

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment
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A STUDY ON SECURITY OF HILL CIPHER USING FINITE FIELDS

A project work submitted to Madurai Kamaraj University in partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

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A STUDY ON b - CHROMATIC NUMBER OF SOME LINE, MIDDLE AND TOTAL GRAPH FAMILIES

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

P. SUVETHA

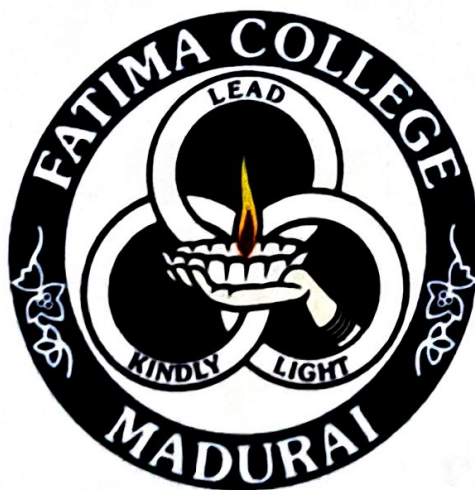
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Place: Madurai

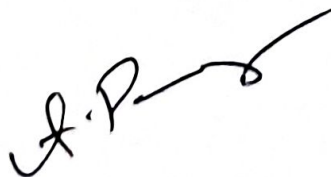
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A STUDY ON GRAPH PEBBLING

A Project Submitted to Madurai Kamaraj University in Partial
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Submitted by

J.TONIESHAA

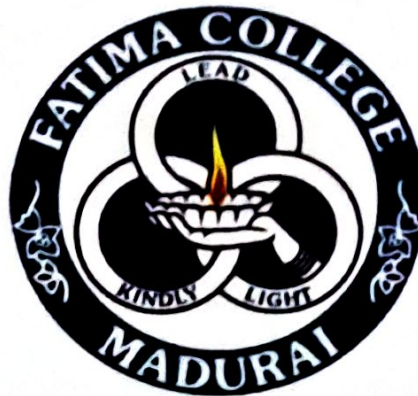
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A STUDY ON NEUTROSOPHIC FUZZY MATRICES AND SOME ALGEBRAIC OPERATIONS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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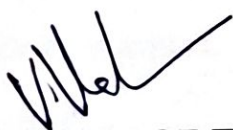
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Place: *Madurai*

Date: *06 . 06 . 2022*



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Date: *06.06.2022*

J. Ubagara Shalini

**J. UBAGARA SHALINI
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A STUDY ON b - COLOURING ON CERTAIN GRAPH

A project work submitted to MADURAI KAMARAJ UNIVERSITY In partial
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MASTER OF SCIENCE IN MATHEMATICS

Submitted by

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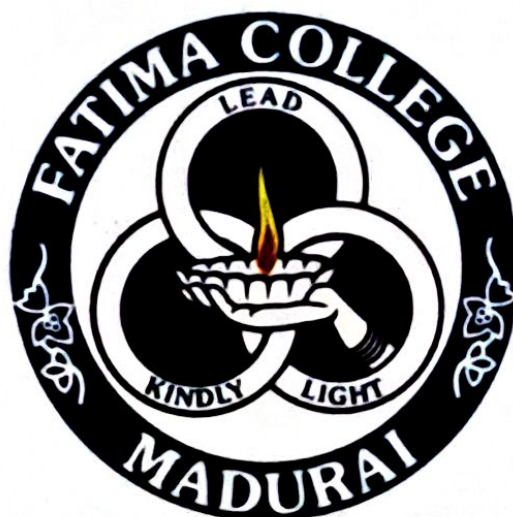
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Place: **Madurai**

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I OOM. VARSHINI (2020MSCM37) do hereby declare that this dissertation is a bonafide record of work carried out by me under the guidance and supervision of Dr. K. AMUTHA, M. Sc., M. Phil., B. Ed., Ph. D., Assistant professor, Department of Mathematics, Fatima College, Madurai affiliated to Madurai Kamaraj University, Madurai in partial fulfilment for the award of degree of **Master of Science in Mathematics**.



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Place: Madurai

Date: 06.06.2022

A STUDY ON LAPLACE TRANSFORMATION AND ITS APPLICATION

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfilment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

R.VEERABHARATHI

2020MSCM38

Under the Guidance of

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A COMPARATIVE STUDY OF SAWI TRANSFORM AND SUMUDU TRANSFORM

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial
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A STUDY ON GRAPH CUT SEGMENTATION

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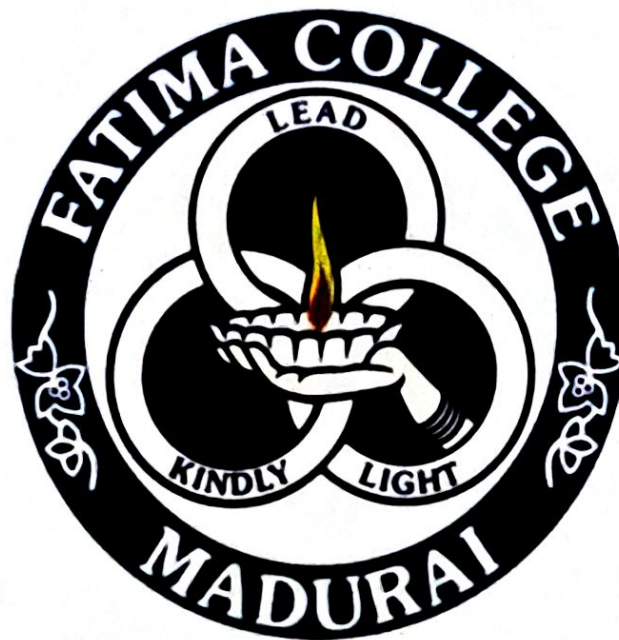
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A STUDY ON THE DEFUZZIFICATION METHODS

A project work submitted to MADURAI KAMARAJ UNIVERSITY in partial fulfillment of the requirement for the award of the degree of

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APPLICATION OF KAMAL TRANSFORM AND ZZ DECOMPOSITION METHOD

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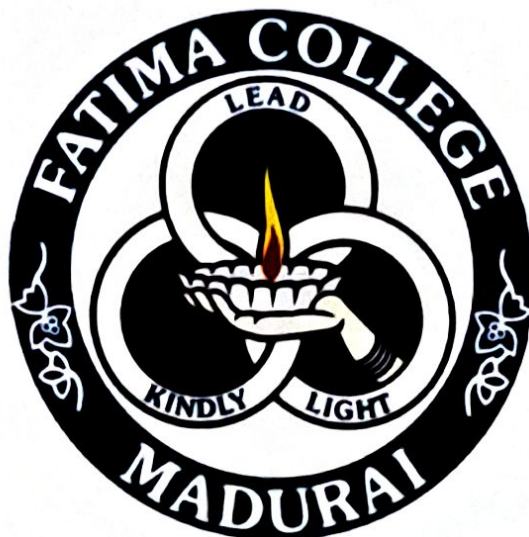
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