

# STUDY ON VEDIC MATHEMATICS

## PROJECT

Submitted by

**MANORANJITHAM.V**

Under the guidance of

**DR.S.MAYILVAGANAN**

Assistant Professor

in partial fulfilment for the award of the degree of

**MASTER OF SCIENCE**

**MATHEMATICS**



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE**

**(AUTONOMOUS)**

**REACCREDITED WITH A++ GRADE by NAAC**

**College with Potential for Excellence, Linguistic Minority Institution**

**Affiliated to University of Madras, Arumbakkam, Chennai- 600 106.**

NOVEMBER 2023



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**Post Graduate and Research Department of Mathematics**

***Certificate***

This is to certify that the project title "A STUDY ON VEDIC MATHEMATICS " submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **MANORANJITHAM.V** (Reg. No.: 2213092069130) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

**STUDY ON ANCIENT ROOTS OF MODERN  
MATHEMATICS  
PROJECT**

Submitted by

**SITHY SIREEN.L**

Under the guidance of

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Assistant Professor

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**MASTER OF SCIENCE  
IN  
MATHEMATICS**



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**Post Graduate and Research Department of Mathematics**

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**EXAMINER**

**STATISTICAL ANALYSIS OF ROAD ACCIDENT IN INDIA**

**PROJECT**

Submitted by

**RAGHUL KUMAR RN**

Under the guidance of

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Assistant Professor

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**Master of Science in**

**Mathematics**



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***Certificate***

This is to certify that the project title “**STATISTICAL ANALYSIS OF ROAD ACCIDENT IN INDIA** ” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by RAGHUL KUMAR R N (Reg. No.: 2213092069108) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

**USING NETWORK MODELS TO  
FIND A KEYS IN CRYPTOGRAPHY  
PROJECT**

Submitted by

**MANOJ S**

Under the guidance of

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***Certificate***

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**EXAMINER**



**DIFFERENTIAL EQUATIONS  
AND IT'S APPLICATIONS**

PROJECT

Submitted by

**RAJESH KUMAR C**

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**In**

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**NOVEMBER 2023**

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This is to certify that the project title " **DIFFERENTIAL EQUATIONS AND IT'S APPLICATIONS**" submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfillment of therequirement for the degree of Master of Science in Mathematics is a bonafide work done by

**RAJESH KUMAR C**

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**EXAMINER**

**SPACE VOYAGE AND THE COMPUTATION**

**PROJECT**

Submitted by

**YAMINI G**

Under the guidance of

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***Certificate***

This is to certify that the project title “SPACE VOYAGE AND THE COMPUTATION” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **YAMINI G** (Reg. No.: 2213092069146) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

**NURTURING ARTIFICIAL INTELLIGENCE WITH COMPLEX  
ANALYSIS**

**PROJECT**

Submitted by

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*Certificate*

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**EXAMINER**

**STUDY ON INVENTORY PROBLEMS IN  
OPERATIONS RESEARCH  
MATHEMATICS  
PROJECT**

Submitted by

**JAWAHAR.S**

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Assistant Professor

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This is to certify that the project title "A STUDY ON INVENTORY PROBLEMS IN OPERATIONS RESEARCH" submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous) in partial fulfillment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by JAWAHAR'S (Reg. No. 2213092069103) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106 under my supervision and guidance. It is also certified that this work has not been submitted to any other university or institution for the award of any Degree.

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EXAMINER



**STUDY ON CRYPTOGRAPHY  
PROJECT**

Submitted by

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Assistant Professor

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**EXAMINER**

**BOOLEAN ALGEBRA USING MACHINE LEARNING**

**PROJECT**

**SUBMITTED BY**

**SHVETHA C**

**UNDER THE GUIDANCE OF**

**Dr. S. MAYILVAGANAN**

**ASSISTANT PROFESSOR**

**in partial fulfilment for the award of the degree of**

**Master of science**

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**EXAMINER**

**PERFECT NUMBERS AND  
ALMOST PERFECT NUMBERS**

**PROJECT**

Submitted by

**LEELAVATHY S**

Under the guidance of

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Associate Professor

In partial fulfillment for the award of the degree of

Master of Science

**In**

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**EXAMINER**

**DYNAMIC PROGRAMMING  
AND IT'S APPLICATIONS IN REAL LIFE  
PROJECT**

Submitted by

**SOWMIYA M**

Under the guidance of

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EXAMINER



# **APPLICATIONS OF LINEAR ALGEBRA**

**PROJECT**

Submitted by

**ASHWINI C**

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Associate Professor

In partial fulfilment for the award of the degree of

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**EXAMINER**

# APPLICATION OF MATHEMATICS IN MUSIC

PROJECT

Submitted by

**HARISWETHA T**

Under the guidance of

**Dr.S.P.Vijayalakshmi, Assistant Professor** in

partial fulfilment for the award of the degree of Master

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# **APPLICATION OF MATHEMATICS IN MUSIC**

**PROJECT**

Submitted by

**HARISWETHA T**

Under the guidance of

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# **CRYPTOGRAPHY TECHNIQUES**

PROJECT

Submitted by

**PRIYA DHARSHINI R**

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This is to certify that the project title "**CRYPTOGRAPHY TECHNIQUES**" submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **PRIYA DHARSHINI R** (Reg. No.: 2213092069132) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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# **FORENSIC SCIENCE USING MATHEMATICS**

**PROJECT**

**Submitted by**

**AKILANDESWARI M**

**Under the guidance of**

**Dr.S.P.Vijayalakshmi, Assistant Professor**

**In partial fulfilment for the award of the degree of**

**Master of Science**

**In**

**Mathematics**



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE**

**(AUTONOMOUS)**

**Reaccredited with A++ Grade by NAAC**

**College with Potential for Excellence, Linguistic Minority Institution**

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# **IMPLEMENTATION OF GEOMETRY IN REAL LIFE**

**PROJECT**

Submitted by

**YUVARAJ R**

Under the guidance of

**Dr. R. Sivaraman**

Associate Professor

in partial fulfilment for the award of the degree of

**Master of Science**

in

**Mathematics**



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***Certificate***

This is to certify that the project title “IMPLEMENTATION OF GEOMETRY IN REAL LIFE” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide workdone by **YUVARAJ R** (Reg. No.:2213092069114) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.



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**EXAMINER**

**APPLICATION OF INTEGRATION**

**PROJECT**

Submitted by

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This is to certify that the project title “**APPLICATION OF INTEGRATION**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **SASIKALA J** (Reg. No.: 2213092069136) of the Post Graduate and Research Department of Mathematics, Dwarka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

# **PUBLIC KEY CRYPTOGRAPHY**

PROJECT

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Post Graduate and Research Department of Mathematics

***Certificate***

This is to certify that the project title "**PUBLIC KEY CRYPTOGRAPHY**" submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **SANDHYA R** (Reg. No.: 2213092069134) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

# **A SUM OF SQUARES**

**PROJECT**

Submitted by

**SANJANA B**

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**EXAMINER**



**A SHORT STUDY ON VARIATION OF PARAMETERS  
PROJECT**

Submitted by

**VITHIYA PRIYA J**

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**EXAMINER**

**A SHORT STUDY ABOUT PATTERNS IN PRIME NUMBERS  
PROJECT**

Submitted by

**ASHWINI N**

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***Certificate***

This is to certify that the project title “**A SHORT STUDY ABOUT PATTERNS IN PRIME NUMBERS**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **ASHWINI N** (Reg. No.: 2213092069117) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**

# **A STUDY ON NETWORK TOPOLOGY AND ITS APPLICATIONS ON OPTIMIZATION**

**PROJECT**

Submitted by

**SNEHA R**

Under the guidance of

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Assistant Professor

in partial fulfilment for the award of degree of

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in

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## **CERTIFICATE**

This is to certify that the project title “**A STUDY ON NETWORK TOPOLOGY AND ITS APPLICATION ON OPTIMIZATION**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **SNEHA.R** (Reg. No: 2213092069139) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai , under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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# **STRATEGIES FOR SOLVING COMBINATORIAL PROBLEMS**

**PROJECT**

Submitted by

**VIJAYALAKSHMI B**

Under the guidance of

**Dr S.P. VIJAYALAKSHMI**

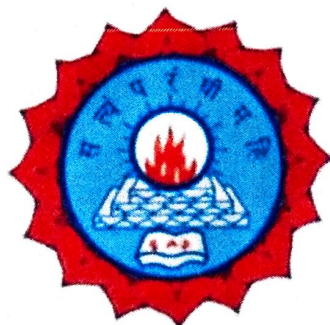
Assistant Professor

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Head of the Department  
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**EXAMINER**



# **MATHEMATICS IN MEDICAL SCIENCE PROJECT**

Submitted by

**TASNEEM BEGAM K**

Under the guidance of

**Dr. S.P. VIJAYALAKSHMI**

Assistant Professor

in partial fulfillment for the award of the degree of

**Master of Science**

in

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**NOVEMBER 2023**

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This is to certify that the project title “**MATHEMATICS IN MEDICAL SCIENCE**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfillment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **TASNEEM BEGAM K** (Reg. No.: 2213092069143) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

# **SOFT SET THEORY AND IT'S APPLICATIONS**

## **PROJECT**

Submitted by

**PAVITHRA S**

Under the guidance of

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This is to certify that the project title "**SOFT SET THEORY AND ITS APPLICATION**" submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **PAVITHRA S (Reg. No. 2213092069131)** of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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# **APPLICATION OF CATALAN NUMBERS**

## **PROJECT**

Submitted by

**PRABAKAR S**

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**EXAMINER**

# **A SHORT STUDY ON APPLICATION OF GRAPHY THEORY**

**PROJECT**

Submitted by

**POOVARASAN J**

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Associate Professor

in partial fulfilment for the award of the degree of

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in

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This is to certify that the project title “**A SHORT STUDY ON APPLICATION OF GRAPHY THEORY**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide workdone by **POOVARASAN J** (Reg. No.:2213092069106) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**



**THE RELATIONSHIP BETWEEN MUSIC  
AND MATHEMATICS**

**PROJECT**

Submitted by

**MOOVENDHAR B**

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***Certificate***

This is to certify that the project title "**THE RELATIONSHIP BETWEEN MUSIC AND MATHEMATICS**" submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfillment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **MOOVENDHAR B** (Reg. No.: 2213092069105) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.



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# **A STUDY ON VEDIC MATHEMATICS**

**PROJECT**

Submitted by

**SNEKA.K**

Under the guidance of

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Assistant Professor

in partial fulfilment for the award of the degree of

**MASTER OF SCIENCE**

**MATHEMATICS**



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE  
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**REACCREDITED WITH A++ GRADE**

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NOVEMBER 2023



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**EXAMINER**

# **IMPLEMENTATION OF GRAPH THEORY IN GOOGLE MAP**

**PROJECT**

Submitted by

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This is to certify that the project title “**IMPLEMENTATION OF GRAPH THEORY IN GOOGLE MAP**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide workdone by **VIGNESH KUMAR S** (Reg. No.:2213092069113) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**

**A STUDY ON PRICE PREDICTION  
ON MOBILE PHONES**

PROJECT

Submitted by

**SURENDHAR.S**

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This is to certify that the project title “**A STUDY ON PRICE PREDICTION ON MOBILE PHONES**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **SURENDHAR.S** (Reg. No.: 2213092069112) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**



# **STOCK PREDICTION USING FUZZY RANKING AND STATISTICAL TOOLS**

PROJECT

Submitted by

**REKINTH R**

Under the guidance of

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in partial fulfilment for the award of the degree of

Master of Science

in

Mathematics



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OCTOBER 2022

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This is to certify that the project title “STOCK PREDICTION USING FUZZY RANKING AND STATISTICAL TOOLS” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by REKINTH.R (Reg. No.: 2213092069110) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**

# **A STUDY ON IMPACT OF TECHNOLOGY ON EYESIGHT**

PROJECT

Submitted by

**SAKTHI C S**

Under the guidance of

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Assistant Professor

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NOVEMBER 2023



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Post Graduate and Research Department of Mathematics  
**Certificate**

This is to certify that the project title “**A STUDY ON IMPACT OF TECHNOLOGY ON EYESIGHT**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **SAKTHI C S** (Reg. No.: 2213092069133) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**

# **MATH WITH GENETIC ALGORITHM PROJECT**

Submitted by

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Assistant Professor

In partial fulfilment for the award of the degree of

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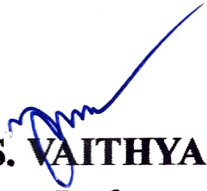
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**EXAMINER**

# **VOTING POWER**

## **PROJECT**

Submitted by

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**EXAMINER**



**A MATHEMATICAL MODELLING OF COVID-19**

**PROJECT**

Submitted by

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This is to certify that the project title “A MATHEMATICAL MODELLING OF COVID-19” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **HEPZIBA SHIRLY F** (Reg. No.: 2213092069124) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**

**A STUDY ON CRYPTOGRAPHIC  
HASH FUNCTION  
PROJECT**

Submitted by

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This is to certify that the project title “**A STUDY ON CRYPTOGRAPHIC HASH FUNCTION**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **GAYATHRI.V**(Reg. No.: 2213092069121) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

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**EXAMINER**

**A STUDY ON MATHEMATICS IN  
CLIMATE CHANGE**

**PROJECT**

Submitted by

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**EXAMINER**

**A STUDY ON VIOLENCE AGAINST WOMEN  
PROJECT**

Submitted by

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NOVEMBER 2023



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This is to certify that the project title “**A STUDY ON VIOLENCE AGAINST WOMEN**” submitted to DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous), in partial fulfilment of the requirement for the degree of Master of Science in Mathematics is a bonafide work done by **ELAVARASI.U**(Reg. No.: 2213092069120) of the Post Graduate and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai- 600 106, under my supervision and guidance .It is also certified that this work has not been submitted to any other university or Institution for the award of any Degree.

  
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**EXAMINER**