

**A STUDY AN APPLICATIONS OF GRAPH THEORY IN KIDNEY
TRANSPLANTATION, EXCHANGE AND DONATION**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

Submitted by

Ms. L. M. HEMASHREE

(Reg. No: C21PG121MAT005)

Paper code: 21PMAPRI

Under the Guidance of

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104

MAY-2023

**A STUDY ON APPLICATION OF COVID-19 IN GRAPH THEORY AND
STATISTICAL DATA IN INDIA**

A project report submitted in partial fulfillment of the requirements for the award
of the Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

Submitted by

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**DEPARTMENT OF MATHEMATICS
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(AFFILIATED TO PERIYAR UNIVERSITY)**

BARUGUR-635 104 ,

MAY-2023

CAUSES OF TSUNAMI IN GRAPH THEORY

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

Submitted by

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**A STUDY ON FOUR COLOR THEOREM WITH MATHEMATICAL RESULT AND
ANALYSIS OF MONOCROMATIC COMPONENT**

A project report submitted in partial fulfillment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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Submitted by

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DEPARTMENT OF MATHEMATICS
GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**ANALYSIS ON VARIOUS TYPES OF NETWORK
TOPOLOGIES IN REAL LIFE CONCEPTS**

A project report submitted in partial fulfilment of the requirements of the award of the

Degree of Master of Science in MATHEMATICS

TO

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Submitted by

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**DEPARTMENT OF MATHEMATICS
GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
(AFFILIATED TO PERIYAR UNIVERSITY)**

BARUGUR-635 104 ,

MAY-2023

SOME GENERALIZATION ON TRACING , SPRED, RISK FACTOR OF COVID-19 IN GRAPF THEORY

A project report submitted in-partial fulfilment of the requirements of the award
of the

Degree of Master of Science in MATHEMATICS

sTO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS
GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON NETWORK, STATOR AND MAGNET
TOPOLOGY REVEALS CARDIOVASCULAR DISEASE AND
DISHORMONIUS VENTRICULR RELATIONSHIP**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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**DEPARTMENT OF MATHEMATICS
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(AFFILIATED TO PERIYAR UNIVERSITY)**

BARUGUR-635 104,

MAY - 2023

**A STUDY ON ROCKET LAUNCHING IN DIFFERENTIAL
CALCULUS**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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DEPARTMENT OF MATHEMATICS

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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON MATHEMATICAL MODEL OF GAS BALLOON AND
HOT AIR BALLOON IN DIFFERENTIAL EQUATION**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

A STUDY ON FOUR COLOR THEOREM WITH MATHEMATICAL RESULT AND
ANALYSIS OF MONOCHROMATIC COMPONENT

A project report submitted in partial fulfillment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

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BANJARAN-422 024

MAY-2023

**RADIAL BASIS FUNCTION FINITE DIFFERENCE APPROXIMATIONS
OF THE LAPLACE-BELTRAMI OPERATOR**

A project report submitted in partial fulfillment of the requirements of the award of

the

Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS

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(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

A STUDY ON APPLICATION OF METRO TRAIN IN STATISTICS

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS

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BARUGUR-635 104 ,

MAY-2023.

**ANALYSIS ON GREEN TRANSPORTATION, FOREST
MANAGEMENT AND FRIEGHT TRANSPORTATION IN
OPERATION RESEARCH**

A project report submitted in partial fulfilment of the requirements of the
award of the

Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

Submitted by

Ms.K.SRI VIMANTHANI

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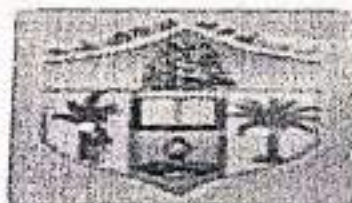
Paper code:21MATPRI

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**DEPARTMENT OF MATHEMATICS
GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
(AFFILIATED TO PERIYAR UNIVERSITY)
BARUGUR-635 104 ,
MAY-2023**

**A STUDY ON APPLICATION OF X-RAY ,CT-SCAN ,MRI-
SCAN AND ULTRASOUND IN MATRIX**

A project report submitted in partial fulfillment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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BARUGUR-635 104 ,

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CAUSES OF TSUNAMI IN GRAPH THEORY

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TO

PERIYAR UNIVERSITY

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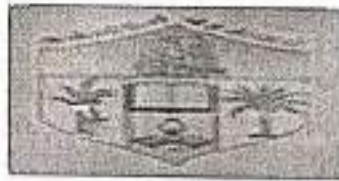
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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON DYNAMICS ANALYSIS OF GLOBAL WARMING IN
CLIMATE CHANGE AND TEMPERATURE**

A project report submitted in partial fulfillment of the requirements for the award
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TO

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**ANALYSIS ON TIME OF DEATH USING NEWTON'S LAW OF
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A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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BARUGUR-635 104 ,

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**A STUDY OF LINEAR AND NONLINEAR DIFFERENTIAL
EQUATIONS USING FUZZY AND HILBERT-TYPE
PROPERTIES**

A project report submitted in partial fulfillment of the requirements of the
award of the

Degree of Science of Science in the **PHILOSOPHY**

BY

PRINCE ABU ISHAQ

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**SOME GENERALIZATION ON TRACING , SPRED, RISK FACTOR OF COVID-
19 IN GRAPF THEORY**

A project report submitted in partial fulfilment of the requirements of the award
of the

Degree of Master of Science in MATHEMATICS

STO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**GRAPH THEORY BASED ON MOBILE NETWORK AND MOBILE
PHONE GRAPH EVOLUTION AND TELEPHONE CALL GRAPHS
AND TELEPHONE NETWORK**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

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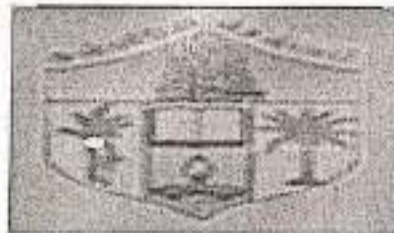
Paper code:21PMAPR1

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DEPARTMENT OF MATHEMATICS
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BARUGUR-635 104 ,
MAY-2023

**A STUDY ON LAYER-WISE GRAPH THEORY BASED INTRUSION
DETECTION SYSTEM BEYOND 5G AND ITS APPLICATIONS**

**A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS**

TO

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DEPARTMENT OF MATHEMATICS

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MAY-2023

**ANALYSIS ON GREEN TRANSPORTATION, FOREST
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Ms.K.SRI VIMANTHANI

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Paper code:21MATPRI

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GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
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BARUGUR-635 104 ,

MAY-2023

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TO

PERIYAR UNIVERSITY

Submitted by

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023.

**RADIAL BASIS FUNCTION FINITE DIFFERENCE APPROXIMATIONS
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TO

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON DYNAMICS ANALYSIS OF GLOBAL WARMING IN
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Ms.G. RANJANI

(Reg.no: C21PG121MAT015)

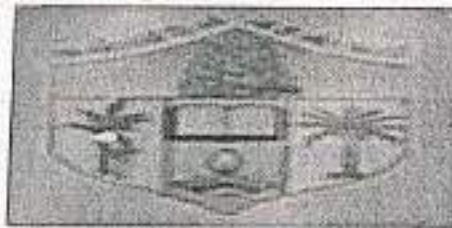
Paper code: 21PMAPR1

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON APPLICATION OF COVID-19 IN GRAPH THEORY AND
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TO

PERIYAR UNIVERSITY

Submitted by

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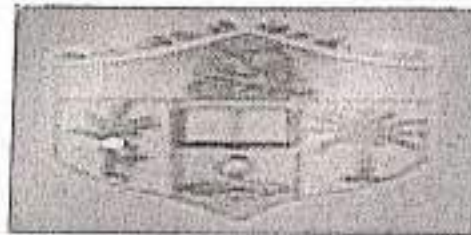
Paper code: 21PMAPR1

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**A STUDY AN SOME APPLICATIONS OF GRAPH THEORY IN
SOCIAL NETWORK**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS

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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON BOUNDARY VALUE PROBLEM OF GREEN'S
FUNCTION**

**A project report submitted in partial fulfillment of the requirements of the
award of the**

Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**A STUDY ON APPLICATION OF DIFFERENT TYPES OF
NETWORK IN GRAPH THEORY**

A project report submitted in partial fulfillment of the requirements of the
award of the

Degree of Master of Science in MATHEMATICS

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DEPARTMENT OF MATHEMATICS

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 , MAY-2023.

**APPLICATION OF GRAPH THEORY IN TRAFFIC
MANAGEMENT**

A project report submitted in partial fulfilment of the requirements of the award
of the

Degree of Master of Science in MATHEMATICS

TO

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**DEPARTMENT OF MATHEMATICS
GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON APPLICATION OF GRAPH THEORY IN GOOGLE MAP,
GPS TRACES AND EXAM TIMETABLE SCHEDULE**

A project report submitted in partial fulfillment of the requirements for the award
of the Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

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DEPARTMENT OF MATHEMATICS

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DEPARTMENT OF MATHEMATICS

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BARUGUR-635 104 ,

MAY-2023

**GRAPH THEORY BASED ON MOBILE NETWORK AND MOBILE
PHONE GRAPH EVOLUTION AND TELEPHONE CALL GRAPHS
AND TELEPHONE NETWORK**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

PERIYAR UNIVERSITY

Submitted by

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(Reg.no: C21PG121MAT019)

Paper code:21PMAPR1

Under the Guidance of

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**DEPARTMENT OF MATHEMATICS
GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN
(AFFILIATED TO PERIYAR UNIVERSITY)
BARUGUR-635 104 ,
MAY-2023**

**A STUDY ON MATHEMATICAL MODEL OF GAS BALLOON AND
HOT AIR BALLOON IN DIFFERENTIAL EQUATION**

*A project report submitted in partial fulfillment of the requirements of the award of the
Degree of Bachelor of Science in MATHEMATICS*

BY

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Submitted to

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DEPARTMENT OF MATHEMATICS

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(KOLLAM DISTRICT) GOVERNMENT COLLEGE

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2023-2024

**A STUDY ON ROCKET LAUNCHING IN DIFFERENTIAL
CALCULUS**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**A STUDY ON NETWORK, STATOR AND MAGNET
TOPOLOGY REVEALS CARDIOVASCULAR DISEASE AND
DISHORMONIUS VENTRICULR RELATIONSHIP**

A project report submitted in partial fulfilment of the requirements of the award of the
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(AFFILIATED TO PERIYAR UNIVERSITY)**

BARUGUR-635 104,

MAY - 2023

**A STUDY ON APPLICATION OF GRAPH THEORY IN GOOGLE MAP,
GPS TRACES AND EXAM TIMETABLE SCHEDULE**

A project report submitted in partial fulfillment of the requirements for the award
of the Degree of Master of Science in MATHEMATICS

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(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 ,

MAY-2023

**A STUDY AN APPLICATIONS OF GRAPH THEORY IN KIDNEY
TRANSPLANTATION, EXCHANGE AND DONATION**

A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS

TO

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(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104

MAY-2023

**A STUDY ON APPLICATION OF DIFFERENT TYPES OF
NETWORK IN GRAPH THEORY**

A project report submitted in partial fulfillment of the requirements of the
award of the

Degree of Master of Science in MATHEMATICS

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(AFFILIATED TO PERIYAR UNIVERSITY)

BARUGUR-635 104 , MAY-2023.

**APPLICATION OF GRAPH THEORY IN TRAFFIC
MANAGEMENT**

A project report submitted in partial fulfilment of the requirements of the award
of the

Degree of Master of Science in MATHEMATICS

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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON BOUNDARY VALUE PROBLEM OF GREEN'S
FUNCTION**

A project report submitted in partial fulfillment of the requirements of the
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TO

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DEPARTMENT OF MATHEMATICS

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BARUGUR-635 104 ,

MAY-2023

**ANALYSIS ON VARIOUS TYPES OF NETWORK
TOPOLOGIES IN REAL LIFE CONCEPTS**

A project report submitted in partial fulfillment of the requirements of the award of the
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BARUGUR-635 104 ,

MAY-2023

**A STUDY AN SOME APPLICATIONS OF GRAPH THEORY IN
SOCIAL NETWORK**

**A project report submitted in partial fulfilment of the requirements of the award of the
Degree of Master of Science in MATHEMATICS**

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BARUGUR-635 104 ,

MAY-2023

**A STUDY ON LAYER-WISE GRAPH THEORY BASED INTRUSION
DETECTION SYSTEM BEYOND 5G AND ITS APPLICATIONS**

**A project report submitted in partial fulfillment of the requirements of the award of the
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BARUGUR-635 104,

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