

**A STUDY ON MATHEMATICAL MODELLING FOR COVID-19
AND PREY PREDATOR**

Dissertation submitted to the Department of Mathematics
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

affiliated to **BHARATHIAR UNIVERSITY**

in partial fulfillment of the requirements

for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

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MARCH-2021

**A STUDY ON TIMOSHENKO BEAM EQUATION AND BOUNDARY
CONDITION**

Dissertation submitted to

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A STUDY ON GRAPH COLORING

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**A STUDY ON PERFECT 3-COLORING OF CUBIC GRAPH
WITH 10 AND 8 VERTICES**

Dissertation submitted to the Department of Mathematics (UA)

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MARCH-2021

**ON CONTRA $\ast\alpha\omega$ - CONTINUOUS FUNCTIONS IN TOPOLOGICAL
SPACES**

Dissertation submitted to the

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A STUDY ON NEUTROSOPHIC SEMI PRE-OPEN SET AND SEMI ALPHA OPEN SET IN NEUTROSOPHIC TOPOLOGICAL SPACE

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**A NEW CLASS ON $*\alpha\omega$ -CONNECTED AND $*\alpha\omega$ -COMPACT
SPACES**

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A STUDY ON GRAPH THEORY

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MARCH-2021

**A STUDY ON r - DYNAMIC COLOURING OF SOME BRICK
PRODUCT GRAPHS**

Dissertation submitted to the

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**DYNAMIC BEHAVIOUR OF AXIALLY MOVING NANOBEAM BASED
ON NON LOCAL ELASTICITY THEORY APPROACH**

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**STABILITY CRITERIA FOR CONTINUOUS SYSTEM WITH
TIME DELAY**

Dissertation submitted to the Department of Mathematics
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A STUDY ON QUADRATIC RECIPROCITY LAW IN NUMBER THEORY

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**A STUDY ON GRAPH THEORY CONCEPTS FOR TRAFFIC LIGHT
CONTROL AT CROSSROADS**

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A STUDY ON NEUTROSOPHIC TOPOLOGY

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**APPLICATION TO DIFFERENTIAL TRANSFORMATION METHOD
FOR SOLVING SYSTEMS OF DIFFERENTIAL EQUATIONS**

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**A STUDY ON VIRUS GRAPHS AND COVID-19 PANDEMIC
IN GRAPH THEORY**

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**ON SOME NEW SETS AND TOPOLOGIES IN IDEAL TOPOLOGICAL
SPACES**

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**A STUDY ON r - DYNAMIC CHROMATIC NUMBER OF SOME
BRICK PRODUCT GRAPH $C(2n, 1, p)$**

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DELAY SYSTEM**

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