



CRITERION I - CURRICULAR ASPECTS

1.3 Curriculum Enrichment

1.3.3 Research Projects/ Internships/Field Projects

Research Projects

**Department of Mathematics
2018-2023**

**1. Details of Research Projects
2. Certificates**

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RESEARCH PROJECT DETAILS
DEPARTMENT OF MATHS- 2018-2019

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P17MA001	E. ABIRAMI	A STUDY ON SOFT SEMI SEPARATION AXIOMS AND CONNECTEDNESS
2	P17MA002	S. ALAMELU	A STUDY ON TOPOLOGICAL GROUPS
3	P17MA003	A. BALASUNDARI	A STUDY ON LINEAR OPERATORS AND ORTHONORMAL SYSTEM.
4	P17MA004	B. BHUVANESHWARI	A STUDY ON DIFFERENT TYPES PAIRWISE B-CONTINUOUS FUNCTIONS IN BITOPOLOGICAL SPACES
5	P17MA005	M. DEEPIKA	A STUDY ON MINIMAL GP –SEPARATION AXIOMS AND MINIMAL GP-CONTINUOUS MAPS
6	P17MA006	S. DEVI	A STUDY ON SOFT INTERSECTION GROUPS
7	P17MA007	G.DHIVYA	A STUDY ON GALOIS THEORY OVER THE RATIONALS
8	P17MA008	M.DHIVYA	A STUDY ON PRE ROW CONNECTEDNESS AND PRE ROW COMPACTNESS IN A TOPOLOGICAL SPACES
9	P17MA009	B.ESWARI	A STUDY ON MULTI FUZZY GROUP AND ITS LEVEL SUBGROUPS
10	P17MA010	J.GUNASUNDARI	A STUDY ON METHODS OF GAME THEORY
11	P17MA011	S. KALAIYARASI	A STUDY ON MORE PENROSE INVERSE AND DRASING PSEUDO INVERSE OF A MATRIX
12	P17MA012	Y. KANIMOZHI	A STUDY ON PARTIALLY ORDERED R- SEMI GROUPS AND PARTIAL ACTION OF INVERSE SEMI GROUPS
13	P17MA013	K. KEERTHANA	A STUDY ON ANTI HAUSDORFF SPACE AND IDEAL HAUSDORFF SPACE
14	P17MA014	M.L. MEENATCHI	A STUDY ON GELFAND THEORY
15	P17MA015	S. MEERA	A STUDY ON ALPHA FUZZY AND ALPHA ANTI FUZZY SUBGROUPS
16	P17MA016	K. NITHYA	A STUDY ON FUZZY SIMPLY * CONTINUOUS FUNCTION
17	P17MA017	S. PRIYANKA	A STUDY ON SINGLE VARIABLE AND MULTI VARIATE FORMAL POWER SERIES

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18	P17MA018	M. RADHA	A STUDY ON SINGLE VARIABLE AND MULTI VARIATE FORMAL POWER SERIES
19	P17MA019	V. RAJESHWARI	A STUDY ON B-CONNECTEDNESS AND B-DISCONNECTEDNESS
20	P17MA020	M. RAMYA	A STUDY ON CHARACTERIZATION OF LOW SEPARATION AXIOMS IN VIA ALPHA-OPEN SETS AND ALPHA' – CLOSURE OPERATOR
21	P17MA021	M. SANGEETHA	A STUDY ON MINIMAL TOQUE
22	P17MA022	M. SANTHIYA	A STUDY ON COHOMOLOGY OF FIRST AND PROFINITE GROUPS
23	P17MA023	M. SANTHIYA	A STUDY ON FUZZY ALMOST AND PAIRWISE FUZZY ALMOST RESOLVABLE SPACES
24	P17MA024	S. SARANYA	A STUDY ON PELL'S EQUATION AND ITS APPLICATIONS IN NUMBER THEORY
25	P17MA025	B. SHALINI	A STUDY ON PRE-GAMMA -OPEN SETS AND SEPARATION AXIOMS
26	P17MA026	S. SOWNDARIYA	A STUDY ON FUZZY SIGMA - BAIRE SPACES
27	P17MA027	A. SURYA	A STUDY ON FREE GROUPS AND ITS PROPERTIES
28	P17MA028	K. SURYA	A STUDY ON (Q,L)-FUZZY SUBRING AND (Q,L)-FUZZY SUBSEMIRING
29	P17MA029	G. VIMALA	A STUDY ON SEPARATION AXIOMS FOR SUPRA TOPOLOGICAL SPACES
30	P17MA030	R. VISHNUPRIYAI	A STUDY ON SCOTT TOPOLOGY AND ITS RELATION TO THE ALEXANDROFF TOPOLOGY
31	P17MA031	K. VISHNUPRIYA	A STUDY ON TENSOR PRODUCT OF MODULES
32	P17MA032	R. VISHNUPRIYAI	A STUDY ON BC-SEPARATION AXIOMS IN TOPOLOGICAL SPACES
33	P17MA033	YOGALAKSHMI.R	A STUDY ON COMPLETION OF A METRIC SPACE
34	P17MA034	R. YUVARANI	A STUDY ON SOFT INTERSECTION IDEALS OF LA-SEMI GROUP



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RESEARCH PROJECT DETAILS
DEPARTMENT OF MATHS- 2019-2020

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P18MA001	S.AJITHA	A STUDY ON CYCLIC CODES AND GENERATOR POLYNOMIAL OF CYCLIC CODES
2	P18MA002	R.ARTHI	A STUDY ON MINIMUM HAMMING DISTANCE AND HAMMING CODE
3	P18MA003	S. ARUNA	A STUDY ON SUPER VERTEX GRACEFUL LABELING OF GRAPHS
4	P18MA004	S. BOWYA	A STUDY ON WEAKLY STAR g CLOSED SETS AND SEMI WEAKLY g STAR CLOSED SETS IN TOPOLOGICAL SPACES
5	P18MA005	L. DEEPIKA	A STUDY ON COMPLEMENT AND BI - COMPLEMENT REDUCIBLE GRAPHS (OR) COGRAPH AND BI - COGRAPH
6	P18MA006	G. DIVYA	A STUDY ON SOME NEW SETS IN IDEAL TOPOLOGICAL SPACES
7	P18MA007	S. ELAMATHY	A STUDY ON APPLICATION OF SOFT SET THEORY USING DECISION MAKING PROBLEM
8	P18MA008	R. GEETHA	A STUDY ON SOFT GENERALIZED CLOSED SETS IN SOFT TOPOLOGICAL SPACES
9	P18MA009	M. HARIPRIYA	A STUDY ON SOLUTION OF ORDINARY DIFFERENTIAL SYSTEM WITH FIRST ORDER DIFFERENTIAL EQUATION AND LINEAR TRANSFORMATION IN SYMMETRY GROUP
10	P18MA010	K. JAYAPRIYA	A STUDY ON LEFT BI - QUASI IDEAL OF SEMIRINGS
11	P18MA011	R. JEEVA	A STUDY ON REGULAR GENERALIZED OPENSETS IN TOPOLOGICAL SPACES
12	P18MA012	P. KALAISELVI	A STUDY ON SOFT INTERSECTION NEAR RINGS AND SOFT INTERSECTION SET IN GAMMA NEAR RINGS
13	P18MA013	R. KAVIYA	A STUDY ON k - NEIGHBORHOOD PRIME LABELING OF GRAPHS
14	P18MA014	K. KEERTHIKA	A STUDY ON SOFT SEPARATION AXIOMS AND SOFT SEMI SEPARATION AXIOMS IN SOFT TOPOLOGICAL SPACES
15	P18MA015	J. KRISHNAVENI	A STUDY ON FUZZY SOFT K - HAUSDORFF SPACES
16	P18MA016	C. LOGESWARI	A STUDY ON RADIO MEAN SQUARE LABELING OF SOME GRAPHS

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17	P18MA017	M. MITHURA	A STUDY ON K - SUPER HARMONIC MEAN LABELING OF GRAPHS
18	P18MA018	M. MUTHULAKSHMI	A STUDY ON F - GEOMETRIC AND SUPER GEOMETRIC MEAN LABELING OF GRAPHS
19	P18MA019	B. NANTHINI	A STUDY ON GENERALIZED b STAR CLOSED SETS AND SEMI GENERALIZED STAR - b CLOSED SETS IN TOPOLOGICAL SPACES
20	P18MA020	L. NIVETHA	A STUDY ON F - ROOT SQUARE MEAN LABELING OF GRAPHS OBTAINED FROM PATHS
21	P18MA021	S. PAVITHRA	A STUDY ON * -GENERALIZEDSEMI COMPACTNESS AND * - GENERALIZED SEMI CONNECTEDNESS IN TOPOLOGICAL SPACES
22	P18MA022	G. PRATHIPA	A STUDY ON SUPER LEHMER - 3 MEAN LABELING
23	P18MA023	C. PRIYA	A STUDY ON VARIOUS LABELING ON BULL GRAPH AND ITS APPLICATIONS
24	P18MA024	S. PRIYADHARSHINI	A STUDY ON - COLSED SETS IN TOPOLOGICAL SAPACES
25	P18MA025	A. PRIYANGA	A STUDY ON SOFT MATRIX AND FUZZY SOFT MATRIX THEORY AND ITS DECISION MAKING
26	P18MA026	R. REVATHI	A STUDY ON g^*s - CONTINUOUS FUNCTION AND g^*s - HOMEOMORPHISM IN TOPOLOGICAL SPACES
27	P18MA027	S. REVATHI	A STUDY ON MATHEMATICAL MODELING ON CANCER TREATMENT
28	P18MA028	P. SANKARI	A STUDY ON GENERALIZED b - COLSED SETS IN TOPOLOGICAL SPACES
29	P18MA029	R. SATHYA	A STUDY ON SECOND ORDER LINEAR EQUATION AND ITS APPLICATION
30	P18MA030	S. SINDHUJA	A STUDY ON POWER MEAN LABELING OF GRAPHS
31	P18MA031	N. SIVARANJANI	A STUDY ON LINEAR CODES AND PARITY CHECK MATRIX
32	P18MA032	S. SUGANTHI	A STUDY ON Sg - CONTINUOUS FUNCTION AND sgp CONTINUOUS FUNCTION IN TOPOLOGICAL SPACES
33	P18MA033	M. UMADEVI	A STUDY ON TOPOLOGICAL VECTOR SPACES



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RESEARCH PROJECT DETAILS
DEPARTMENT OF MATHS- 2020-2021

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P19MA001	ABINAYA .M	A STUDY ON VARIOUS LABELING AND COLOURING OF BULL GRAPHS
2	P19MA002	ABINAYA . N	A STUDY ON INTUITIONISTIC FUZZY GRAPH
3	P19MA003	ANUSUYA. K	A STUDY ON SOFT MATRIX AND FUZZY SOFT MATRIX THEORY AND ITS DECISION MAKING
4	P19MA004	DAYANA. P	A STUDY ON FRACTIONAL ARBORICITY AND MATROID METHODS
5	P19MA005	DHIVYA. T	A STUDY ON ODD AND EVEN GRACEFUL LABELING OF A GRAPH
6	P19MA006	DURGA. K	A STUDY ON FUZZY DOT SUB-ALGEBRAS AND FUZZY DOT IDEALS OF B-ALGEBRAS
7	P19MA007	GAYATHRI. A	A STUDY ON PRIME LABELING OF UNION GRAPHS
8	P19MA008	ISHWARIYA. R	A STUDY ON BITOPOLOGICAL SPACES
9	P19MA009	KALAIMANI. K	A STUDY ON GRAPHOIDAL COVERING AND 2-GRAPHOIDAL COVERING NUMBER OF A GRAPH
10	P19MA010	KALAIMATHI. A	A STUDY ON HARMONIOUS LABELING AND HARMONIOUS COLOURING OF GRAPHS
11	P19MA011	KALPANA. S	A STUDY ON APPLICATION OF QUEUING THEORY APPLIED IN OUR DAY TO DAY LIFE
12	P19MA012	KAMALI. R	A STUDY ON CYCLE CONNECTIVITY AND CONNECTIVITY ANALYSIS OF CYCLICALLY BALANCED FUZZY GRAPHS
13	P19MA013	KANIMOZHI. E	A STUDY ON UPPER BOUNDS ON THE $L(2,1)$ -LABELING NUMBER OF GRAPHS WITH MAXIMUM DEGREE DELTA
14	P19MA014	KASTHURI. K	A STUDY ON SUPER MEAN LABELING OF GRAPHS
15	P19MA015	KAVIYASRI. C	A STUDY ON ANALYTIC ODD MEAN LABELING OF GRAPHS
16	P19MA016	KOWSALYA. A	A STUDY ON DISTANCE AND DISSIMILARITY MEASURE OF PICTURE FUZZY SET
17	P19MA017	LAKSHMI. S	A STUDY ON PRODUCT CORDIAL LABELING AND EDGE PRODUCT CORDIAL LABELING OF GRAPHS
18	P19MA018	LAKSHMIPRIYA. M	A STUDY ON THEORY OF MODULES AND FUZZY MODULES
19	P19MA019	LAVANYA. R	A STUDY ON SOFT SOMEWHERE DENSE SETS ON SOFT TOPOLOGICAL SPACE
20	P19MA020	LISHA. K	A STUDY ON TYPES OF LATTICES

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21	P19MA021	MULLAI. B	A STUDY ON REGULAR AND IRREGULAR FUZZY GRAPHS
22	P19MA022	NITHYA. E	A STUDY ON ADJOINT THEORY OF SQUARE FUZZY MATRIX
23	P19MA023	PAVATHARANI. P. S	A STUDY ON CHAPMAN-KOLMOGOROV EQUATION IN FORWARD AND BACKWARD EQUATIONS AND ITS APPLICATION
24	P19MA024	PRIYATHARSHINI. R	A STUDY ON INFINITE DIMENSIONAL TOPOLOGICAL VECTOR SPACE AND CONNECTION TO SEMINORM
25	P19MA025	SANTHIYA. A	A STUDY ON VERTEX MAGIC TOTAL LABELING AND ODD AND EVEN VERTEX MAGIC TOTAL LABELING OF SOME GRAPHS
26	P19MA026	SHANTHINI. V	A STUDY ON TOTAL GRAPH AND SEMI TOTAL GRAPH
27	P19MA027	SNEHALAKSHMI. T	A STUDY ON ROOT SQUARE MEAN LABELING OF GRAPHS
28	P19MA028	SOWMYA. S	A STUDY ON FUZZY TOPOLOGICAL SPACE AND COMPACT FUZZY TOPOLOGICAL SPACE
29	P19MA029	TAMILARASI. R	A STUDY ON SEPARABILITY AND COMPACTNESS IN SOFT TOPOLOGICAL SPACES
30	P19MA030	THENMOZHI. S	A STUDY ON ISOMORPHISM ON FUZZY GRAPHS AND COMPLEMENTARY FUZZY GRAPHS
31	P19MA031	VARSHA. S	A STUDY ON NON-COMMUTING GRAPH OF A GROUP
32	P19MA032	VARSHA RAMAN. P	A STUDY ON FUZZY INNER PRODUCT SPACE AND FINITE FUZZY ORTHOGONAL SET
33	P19MA033	VENGATESWARI.S	A STUDY ON GENERALIZATION OF SOME FUZZY CONTINUOUS FUNCTIONS



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RESEARCH PROJECT DETAILS
DEPARTMENT OF MATHS- 2021-2022

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P20MA001	S. AARTHI	A STUDY ON SOFT MATRIX THEORY AND ITS DECISION MAKING
2	P20MA002	T.AARTHI	A STUDY ON MATRIX GAMES BASED ON GRAPH
3	P20MA003	A.ABIRAMI	A STUDY ON ANALYTIC ODD AND EVEN MEAN LABELING GRAPH
4	P20MA004	G.ANUSUYA	A STUDY ON TIMETABLING USING GRAPH COLOURING
5	P20MA005	M.ANUSUYA	A STUDY ON FUZZY GRAPH AND FUZZY BI-MAGIC LABELING ON CYCLE GRAPH AND STAR GRAPH
6	P20MA006	M.DURGA	A STUDY ON LAPLACIAN MATRIX AND LAPLACIAN EIGENVALUES OF THRESHOLD GRAPHS
7	P20MA007	M.ELAKKIYA	A STUDY ON MATCHING AND COLOURING IN FUZZY LABELING OF GRAPH
8	P20MA008	U.GOWSALYA	A STUDY ON DOMINATION IN FUZZY GRAPH
9	P20MA009	R.ISHWARYA	A STUDY ON DOMINATION THEORY IN FUZZY GRAPH
10	P20MA010	R.JANSI	A STUDY ON PRIME LABELING AND COMMON WEIGHT DECOMPOSITION OF GRAPHS
11	P20MA011	J.JAYASRI	A STUDY ON SQUARE AND CUBE DIFFERENCE LABELING OF SOME GRAPHS
12	P20MA012	V.KEERTHIKAI LAKSHMI	A STUDY ON NEW APPROACH TO SEPARABILITY AND COMPACTNESS IN SOFT TOPOLOGY
13	P20MA013	M.MOHANA	A STUDY ON SUM DISTANCE AND PRODUCT FUZZY DISTANCE TWO LABELING GRAPH
14	P20MA014	S.NIVETHA	A STUDY ON TIME TO RECRUITMENT FOR A SINGLE GRADE MANPOWER SYSTEM
15	P20MA015	S.NIVETHA	A STUDY ON CONNECTIVITY IN A FUZZY GRAPH AND ITS COMPLEMENT
16	P20MA016	A.PARANIKA	A STUDY ON SUPER CUBE ROOT CUBE MEAN LABELING OF GRAPHS
17	P20MA017	G.PRAGATHI	A STUDY ON SUPER ROOT SQUARE MEAN LABELING OF GRAPH
18	P20MA018	V.PRAGATHI	A STUDY ON LUCKY EDGE NEIGHBORHOOD LABELING OF GRAPHS
19	P20MA019	M. PRIYA	A STUDY ON SOFT PC – CONNECTED SPACE
20	P20MA020	R.RAKSHANA	A STUDY ON ALGEBRAIC STRUCTURE OF GENETIC INHERITANCE

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21	P20MA021	R.RANJITHA	A STUDY ON ODD AND EVEN VERTEX EQUITABLE EVEN LABELING GRAPH
22	P20MA022	S. RENUGA DEVI	A STUDY ON A REVIEW ON RECENT DEVELOPMENTS OF NEUTROSOPIC MATRIX THEORY & OPEN PROBLEMS
23	P20MA023	J.SAMEENA RASHMI	A STUDY ON APPLICATIONS OF LAPLACE AND MOHAND TRANSFORMS
24	P20MA024	R.P SANTHINI	A STUDY ON EDGE MAGIC AND PRIME EDGE MAGIC LABELING OF GRAPHS
25	P20MA025	M.SANTHIYA	A STUDY ON APPLICATION OF MATRIX AND DETERMINANTS
26	P20MA026	R.SHABNA	A STUDY ON VIRUS GRAPH AND COVID-19 PANDEMIC APPLICATION OF A GRAPH THEORY
27	P20MA027	M.SNEKA	A STUDY ON APPLICATION OF FUZZY MATRIX THEORY IN MEDICAL DIAGNOSIS
28	P20MA028	M.SOUNDHARANAYAKI	A STUDY ON K-PARTITIONED AND BALANCED K-PARTITIONED FUZZY GRAPH
29	P20MA029	N.SWETHA	A STUDY ON THEORY OF CONSUMER BEHAVIOUR
30	P20MA030	G.VARSHA	A STUDY ON TYPE-2 FUZZY SOFT TOPOLOGICAL SPACES
31	P20MA031	B.VIDHYABHARATHI	A STUDY ON LABELING ON BULL GRAPH
32	P20MA032	R.VIJAYAVALLI	A STUDY ON MATHEMATICAL MODELLING THROUGH CALCULUS OF VARIATIONS AND DYNAMIC PROGRAMMING
33	P20MA033	V.VINOTHINI	A STUDY ON SUPER HARMONIC AND K-SUPER HARMONIC MEAN LABELING OF H- GRAPHS
34	P20MA034	S.VISHNUPRIYA	A STUDY ON CONTRA HARMONIC MEAN LABELLING OF GRAPHS



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RESEARCH PROJECT DETAILS
DEPARTMENT OF MATHS- 2022-2023

SL.No	ROLL NUMBER	NAME	DETAILS OF ACTIVITY
1	P21MA001	ABINAYA M	A STUDY ON S_α -CONNECTEDNESS AND APPLICATION OF α -OPEN SETS IN TOPOLOGICAL SPACES
2	P21MA002	ABINAYA S R	A STUDY ON APPLICATION OF MATHEMATICS IN SOCIAL AND BIOLOGICAL SCIENCE
3	P21MA003	ABIRAMI M	A STUDY OF QUEUEING THEORY AND ITS APPLICATION
4	P21MA004	ANJUGAM M	A STUDY ON CONCEPT AND RESULTS ON COMPLETE FUZZY METRIC SPACE
5	P21MA005	BARANIKA S	A STUDY OF MATHEMATICAL MODELLING OF SHIP STABILITY
6	P21MA006	BHOOMA SHAKTHI M	A STUDY ON APPLICATION AND GRAPH THEORY IN SOCIAL MEDIA
7	P21MA007	BHUVANESHWARI G	A STUDY ON THE ZERO DIVISOR GRAPH
8	P21MA008	BHUVANESHWARI K	A STUDY ON CYCLE SPACE AND BOND SPACE
9	P21MA009	BHUVANESHWARI M	A STUDY ON STANDARD EIGEN VECTORS AND INDICES OF INCLINE MATRICES
10	P21MA010	DEEPIKA M	A STUDY ON SPECTRUM AND ENERGY OF GRAPH
11	P21MA011	FAYZA ZULAIHA F	FUZZY NEURAL NETWORKS AND HYBRID FUZZY NEURAL NETWORKS
12	P21MA012	KAMALI A	INTERVAL VALUED FUZZY SOFT MATRIX IN DECISION MAKING PROBLEM
13	P21MA013	KANIMOZHI D	A STUDY ON IDEAL CLOSURE SPACES AND SEMI PRIME IDEAL IN TOPOLOGICAL SPACES
14	P21MA014	KAVIPRIYA K	A STUDY ON EDGE COLORING OF FUZZY GRAPH AND ITS APPLICATION
15	P21MA015	KEERTHANA A	A STUDY ON NETWORK TOPOLOGY AND ITS APPLICATIONS
16	P21MA016	MADHUMITHA K	A STUDY ON RADIO MEAN SQUARE LABELING OF SOME GRAPHS
17	P21MA017	MARAGATHAVALLI S	A STUDY ON APPLICATIONS OF MATHEMATICS IN INDUSTRIAL FIELD
18	P21MA018	MOHANAPRIYA A	A STUDY ON FUZZY BOOLEAN ALGEBRA WITH APPLICATIONS

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19	P21MA019	MOHANA SUNDARI P	A STUDY ON RHOTRIX THEORY AND ITS APPLICATION
20	P21MA020	NALINAPRIYA S	A STUDY ON LUCKY EDGE LABELLING OF PLANAR GRID AND CORONA GRAPHS
21	P21MA021	PRIYADHARSHINI K	A STUDY ON DESIGN OF MEASURE OF FUZZY INCLUSION
22	P21MA022	PRIYADHARSHINI K	BILINEAR FORM IN FINITE DIMENSIONAL VECTOR
23	P21MA023	SANKARI S	A STUDY ON PROJECTION MATRICES
24	P21MA024	SANMUGAPRIYA M	A STUDY ON MINIMAL OPEN SETS ON GENERALIZED TOPOLOGICAL SPACE
25	P21MA025	SARMILA M	A STUDY ON REFINED NETROSOPHIC MATRICES
26	P21MA026	SUBETHA K	A STUDY ON UNIFORM CONVERGENCE IN TOPOLOGY AND ALMOST UNIFORM CONVERGENCE IN TOPOLOGY
27	P21MA027	SUPRAJA P	A STUDY ON ROBOTICS TOPOLOGY AND ITS APPLICATIONS
28	P21MA028	SWETHA R	A STUDY ON HYPER GRAPHS
29	P21MA029	TAMILARASI B	A STUDY ON CODING THEORY AND ITS APPLICATIONS
30	P21MA030	VAISHNAVI M	FUZZY SOFT MATRICES AND ITS APPLICATION OF MEDICAL DIAGNOSIS
31	P21MA031	VEERASELVI D	CARDIAL LABELLING OF SOME CYCLE AND SUBDIVISION OF SNAKES
32	P21MA032	VINISHA B	A STUDY ON INTERVALVALUED FUZZY MATRICES AND ITS APPLICATIONS




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PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT SEMI SEPARATION AXIOMS AND CONNECTEDNESS" is a bonafide record of project work done by **E. ABIRAMI, Reg.No: P17MA001** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

S. Rajkumari
INTERNAL GUIDE

S. Rajkumari
HEAD OF THE DEPARTMENT
Head, Department of Mathematics
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 01.04.2019

Place : kumbakonam

Date : 01.04.2019

Dr. Gramesh
01/04/2019
EXTERNAL EXAMINER
DR. GRAMESH, M.Sc., M.Phil., Ph.D., MSIT., MBA.,
Associate Professor of Mathematics
Government Arts College (Autonomous)
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON TOPOLOGICAL GROUPS" is a bonafide record of project work done by S. ALAMELU, Reg.No: P17MA002 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

S. Rajkumari
INTERNAL GUIDE

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HEAD OF THE DEPARTMENT
Head, Department of Mathematics
Government College for Women (Autonomous)
Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 01.04.2019

Place : Kumbakonam
Date : 01.04.2019

Dr. Gramesh
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON LINEAR OPERATORS AND ORTHONORMAL SYSTEM" is a bonafide record of project work done by A. BALASUNDARI, Reg.No: P17MA003 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON MINIMAL GP – SEPARATION AXIOMS AND MINIMAL GP-CONTINUOUS MAPS" is a bonafide record of project work done by **M. DEEPIKA**, Reg.No: P17MA005 at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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This is to certify that this project entitled "A STUDY ON SOFT INTERSECTION GROUPS" is a bonafide record of project work done by **S. DEVI**,
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This is to certify that this project entitled "A STUDY ON GALOIS THEORY OVER THE RATIONALS" is a bonafide record of project work done by **G.DHIVYA, Reg.No: P17MA007** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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This is to certify that this project entitled "A STUDY ON PRE ROW CONNECTEDNESS AND PRE ROW COMPACTNESS IN A TOPOLOGICAL SPACES" is a bonafide record of project work done by M.DHIVYA, Reg.No: P17MA008 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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This is to certify that this project entitled "A STUDY ON METHODS OF GAME THEORY" is a bonafide record of project work done by **J.GUNASUNDARI**, **Reg.No: P17MA010** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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This is to certify that this project entitled "A STUDY ON MORE PENROSE INVERSE AND DRASING PSEUDO INVERSE OF A MATRIX" is a bonafide record of project work done by S. KALAIYARASI, Reg.No: P17MA011 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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This is to certify that this project entitled "A STUDY ON PARTIALLY ORDERED R- SEMI GROUPS AND PARTIAL ACTION OF INVERSE SEMI GROUPS" is a bonafide record of project work done by **Y. KANIMOZHI**, Reg.No: **P17MA012** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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This is to certify that this project entitled "A STUDY ON ANTI HAUSDORFF SPACE AND IDEAL HAUSDORFF SPACE" is a bonafide record of project work done by **K. KEERTHANA, Reg.No: P17MA014** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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This is to certify that this project entitled "A STUDY ON FUZZY SIMPLY *
CONTINUOUS FUNCTION" is a bonafide record of project work done by **K.
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This is to certify that this project entitled "A STUDY ON SINGLE VARIABLE AND MULTI VARIATE FORMAL POWER SERIES" is a bonafide record of project work done by **M. RADHA, Reg.No: P17MA019** at Government College for Women (Autonomous), Kumbakonam, during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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This is to certify that this project entitled "A STUDY ON CHARACTERIZATION OF LOW SEPARATION AXIOMS IN VIA ALPHA-OPEN SETS AND ALPHA - CLOSURE OPERATOR" is a bonafide record of project work done by **M. RAMYA, Reg.No: P17MA021** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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This is to certify that this project entitled "A STUDY ON COHOMOLOGY OF FIRST AND PROFINITE GROUPS" is a bonafide record of project work done by **M. SANTHIYA, Reg.No: P17MA023** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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This is to certify that this project entitled "A STUDY ON PELL'S EQUATION AND ITS APPLICATIONS IN NUMBER THEORY" is a bonafide record of project work done by S. SARANYA, Reg.No: P17MA025 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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This is to certify that this project entitled "A STUDY ON PRE-GAMMA - OPEN SETS AND SEPARATION AXIOMS" is a bonafide record of project work done by **B. SHALINI, Reg.No: P17MA026** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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This is to certify that this project entitled "A STUDY ON FUZZY SIGMA - BAIRE SPACES" is a bonafide record of project work done by S. SOWNDARIYA, Reg.No: P17MA027 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FREE GROUPS AND ITS PROPERTIES" is a bonafide record of project work done by A. SURYA, Reg.No: P17MA028 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

IC. KARPACIAM
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Place : Kumbakonam
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON (Q,L)-FUZZY SUBRING AND (Q,L)-FUZZY SUBSEMIRING" is a bonafide record of project work done by **K. SURYA, Reg.No: P17MA029** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

K. Karthikeyan
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Place : Kumbakonam

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SEPARATION AXIOMS FOR SUPRA TOPOLOGICAL SPACES" is a bonafide record of project work done by **G. VIMALA, Reg.No: P17MA030** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

AKR Rajyal
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SCOTT TOPOLOGY AND ITS RELATION TO THE ALEXANDROFF TOPOLOGY" is a bonafide record of project work done by R. VISHNUPRIYAI, Reg.No: P17MA031 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

ACE B. Senthil
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON TENSOR PRODUCT OF MODULES" is a bonafide record of project work done by **K. VISHNUPRIYA**, Reg.No: **P17MA032** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON BC-SEPARATION AXIOMS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by **R. VISHNUPRIYAI, Reg.No: P17MA033** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON COMPLETION OF A METRIC SPACE" is a bonafide record of project work done by YOGALAKSHMI.R, Reg.No: P17MA034 at Government College for Women (Autonomous), Kumbakonam during this year 2017-2019 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT INTERSECTION IDEALS OF LA-SEMI GROUP" is a bonafide record of project work done by **R. YUVARANI, Reg.No: P17MA035** at Government College for Women (Autonomous), Kumbakonam during this year **2017-2019** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON CYCLIC CODES AND GENERATOR POLYNOMIAL OF CYCLIC CODES" is a bonafide record of project work done by S.AJITHA, Reg. No: P18MA001 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON MINIMUM HAMMING DISTANCE AND HAMMING CODE" is a bonafide record of project work done by **R.ARTHI, Reg. No: P18MA002** at Government College for Women (Autonomous), Kumbakonam during this year **2018-2020** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

U. Sudaroli
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**GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SUPER VERTEX GRACEFUL LABELING OF GRAPHS" is a bonafide record of project work done by S. ARUNA, Reg. No: P18MA003 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON WEAKLY STAR g CLOSED SETS AND SEMI WEAKLY g STAR CLOSED SETS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by S. BOWYA, Reg. No: P18MA004 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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MRS. AKR. RAJAYAL
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON COMPLEMENT AND BI - COMPLEMENT REDUCIBLE GRAPHS (OR) COGRAPH AND BI - COGRAPH " is a bonafide record of project work done by L. DEEPIKA, Reg. No: P18MA005 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE

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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON SOME NEW SETS IN IDEAL TOPOLOGICAL SPACES" is a bonafide record of project work done by G. DIVYA, Reg. No: P18MA006 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 19-9-2020.

Place : Kumbakonam
Date : 19-9-2020


EXTERNAL EXAMINER

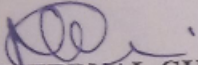
Dr. JAYASRI K. RAJAGOPAL, B.Sc., M.Phil., B.Ed., Ph.D.,
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A.D.P. College for Women (Autonomous),
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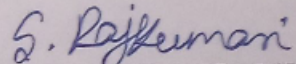
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

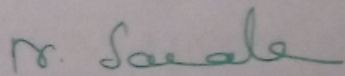
This is to certify that this project entitled "A STUDY ON APPLICATION OF SOFT SET THEORY USING DECISION MAKING PROBLEM" is a bonafide record of project work done by S. ELAMATHY, Reg. No: P18MA007 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE


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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 19.9.2020

Place : Kumbakonam
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT GENERALIZED CLOSED SETS IN SOFT TOPOLOGICAL SPACES" is a bonafide record of project work done by R. GEETHA, Reg. No: P18MA009 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE

Dr. G. Lakshmyabharathi
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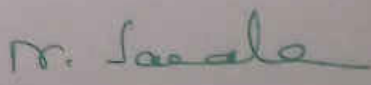

HEAD OF THE DEPARTMENT

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Place : Kumbakonam

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON REGULAR GENERALIZED OPENSETS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by R. JEEVA, Reg. No: P18MA012 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT INTERSECTION NEAR RINGS AND SOFT INTERSECTION SET IN GAMMA NEAR RINGS" is a bonafide record of project work done by P. KALAISELVI, Reg. No: P18MA013 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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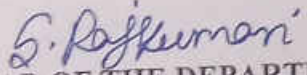
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON k - NEIGHBORHOOD PRIME LABELING OF GRAPHS" is a bonafide record of project work done by R. KAVIYA, Reg. No: P18MA014 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.



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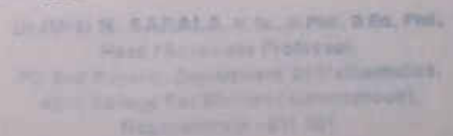

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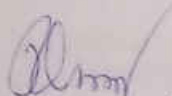

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT SEPARATION AXIOMS AND SOFT SEMI SEPARATION AXIOMS IN SOFT TOPOLOGICAL SPACES" is a bonafide record of project work done by K. KEERTHIKA, Reg. No: P18MA015 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.



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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FUZZY SOFT K - HAUSDORFF SPACES" is a bonafide record of project work done by J. KRISHNAVENI, Reg. No: P18MA016 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
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BONAFIDE CERTIFICATE

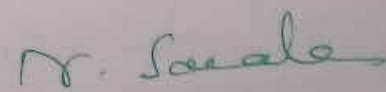
This is to certify that this project entitled "A STUDY ON GENERALIZED α STAR CLOSED SETS AND SEMI GENERALIZED STAR - α CLOSED SETS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by B. NANTHINI, Reg. No: P18MA020 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
Leelavathi Murthy
Grewar, KMU


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Place : Kumbakonam
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON * - GENERALIZED SEMI COMPACTNESS AND * - GENERALIZED SEMI CONNECTEDNESS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by S. PAVITHRA, Reg. No: P18MA022 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SUPER LEHMER - 3 MEAN LABELING" is a bonafide record of project work done by G. PRATHIPA, Reg. No: P18MA023 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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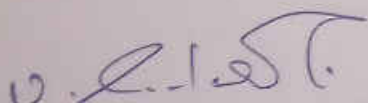
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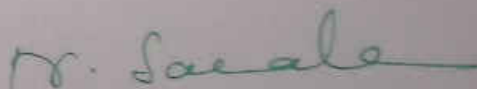
This is to certify that this project entitled "A STUDY ON VARIOUS LABELING ON BULL GRAPH AND ITS APPLICATIONS" is a bonafide record of project work done by C. PRIYA, Reg. No: P18MA024 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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This is to certify that this project entitled "A STUDY ON δ - COLSED SETS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by S. PRIYADHARSHINI, Reg. No: P18MA025 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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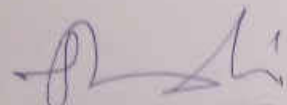
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT MATRIX AND FUZZY SOFT MATRIX THEORY AND ITS DECISION MAKING" is a bonafide record of project work done by A. PRIYANGA, Reg. No: P18MA026 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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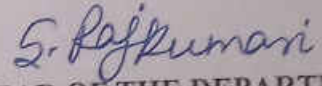
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BONAFIDE CERTIFICATE


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON MATHEMATICAL MODELING ON CANCER TREATMENT" is a bonafide record of project work done by S. REVATHI, Reg. No: P18MA028 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON GENERALIZED
b - COLSED SETS IN TOPOLOGICAL SPACES" is a bonafide record of
project work done by P. SANKARI, Reg. No: P18MA029 at Government
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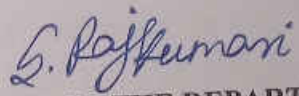
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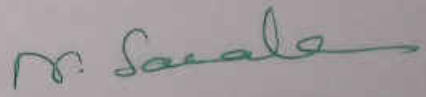
This is to certify that this project entitled "A STUDY ON POWER MEAN LABELING OF GRAPHS" is a bonafide record of project work done by S. SINDHUJA, Reg. No: P18MA031 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON LINEAR CODES AND PARITY CHECK MATRIX" is a bonafide record of project work done by N. SIVARANJANI, Reg. No: P18MA032 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

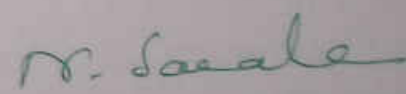
This is to certify that this project entitled "A STUDY ON Sg - CONTINUOUS FUNCTION AND sgp CONTINUOUS FUNCTION IN TOPOLOGICAL SPACES" is a bonafide record of project work done by S. SUGANTHI, Reg. No: P18MA034 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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This is to certify that this project entitled "A STUDY ON TOPOLOGICAL VECTOR SPACES" is a bonafide record of project work done by M. UMADEVI, Reg. No: P18MA035 at Government College for Women (Autonomous), Kumbakonam during this year 2018-2020 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON VARIOUS LABELING AND COLOURING OF BULL GRAPHS" is a bonafide record of project work done by ABINAYA. M, Reg.No: P19MA001 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE

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BONAFIDE CERTIFICATE

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P. D. D.
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON ODD AND EVEN GRACEFUL LABELING OF A GRAPH" is a bonafide record of project work done by **DHIVYA. T**, Reg.No: P19MA005 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirement for the award of the degree of **MASTER OF MATHEMATICS**.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FUZZY DOT SUB-ALGEBRAS AND FUZZY DOT IDEALS OF B-ALGEBRAS" is a bonafide record of project work done by DURGA. K, Reg.No: P19MA006 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON PRIME LABELING OF UNION GRAPHS" is a bonafide record of project work done by GAYATHRI. A, Reg.No: P19MA007 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ONBITOPOLOGICAL SPACES" is a bonafide record of project work done by ISHWARIYA. R, Reg.No: P19MA008 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON GRAPHOIDAL COVERING AND 2-GRAPHOIDAL COVERING NUMBER OF A GRAPH" is a bonafide record of project work done by **KALAIMANI. K**, Reg.No: **P19MA009** at Government College for Women (Autonomous), Kumbakonam during this year **2019-2021** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

INTERNAL GUIDE
(Dr. G. A. MUDA)

HEAD OF THE DEPARTMENT

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Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.4.21.

Place : Kumbakonam
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EXTERNAL EXAMINER

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON HARMONIOUS LABELING AND HARMONIOUS COLOURING OF GRAPHS" is a bonafide record of project work done by KALAIMATHI. A, Reg.No: P19MA010 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE
Gowthaman in Maths
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.04.2021

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON APPLICATION OF QUEUING THEORY APPLIED IN OUR DAY TO DAY LIFE" is a bonafide record of project work done by KALPANA. S, Reg.No: P19MA011 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON CYCLE CONNECTIVITY AND CONNECTIVITY ANALYSIS OF CYCLICALLY BALANCED FUZZY GRAPHS" is a bonafide record of project work done by **KAMALI. R**, Reg.No: P19MA012 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON UPPER BOUNDS ON THE L(2,1)-LABELING NUMBER OF GRAPHS WITH MAXIMUM DEGREE" is a bonafide record of project work done by KANIMOZHI. E, Reg.No: P19MA013 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
Leelajothi in Maths
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KUMBAKONAM (AUTONOMOUS)
DEPARTMENT OF MATHEMATICS



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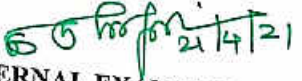
This is to certify that this project entitled "A STUDY ON SUPER MEAN LABELING OF GRAPHS" is a bonafide record of project work done by KASTHURI. K, Reg.No: P19MA014 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.4.2021

Place : Kumbakonam
Date : 21.4.2021

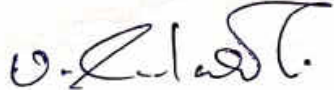

EXTERNAL EXAMINER
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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This is to certify that this project entitled "A STUDY ON ANALYTIC ODD MEAN LABELING OF GRAPHS" is a bonafide record of project work done by KAVIYASRI. C, Reg.No: P19MA015 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON DISTANCE AND DISSIMILARITY MEASURE OF PICTURE FUZZY SET" is a bonafide record of project work done by **KOWSALYA. A**, Reg.No: P19MA017 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


INTERNAL GUIDE
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This is to certify that this project entitled "A STUDY ON PRODUCT CORDIAL LABELING AND EDGE PRODUCT CORDIAL LABELING OF GRAPHS" is a bonafide record of project work done by LAKSHMI. S, Reg.No: P19MA018 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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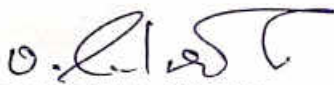



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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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PG AND RESEARCH DEPARTMENT OF MATHEMATICS



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INTERNAL GUIDE

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.4.2021

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON REGULAR AND IRREGULAR FUZZY GRAPHS" is a bonafide record of project work done by MULLAI. B, Reg.No: P19MA022 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
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Place : Kumbakonam
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



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This is to certify that this project entitled "A STUDY ON ADJOINT THEORY OF SQUARE FUZZY MATRIX" is a bonafide record of project work done by NITHYA. E, Reg.No: P19MA023 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

S. Rajkumari
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Date : 21.4.2021


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON CHAPMAN-KOLMOGOROV EQUATION IN FORWARD AND BACKWARD EQUATIONS AND ITS APPLICATION" is a bonafide record of project work done by PAVATHARANI. P. S, Reg.No: P19MA024 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM

PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FINITE DIMENSIONAL TOPOLOGICAL VECTOR SPACE AND CONNECTION TO SEMINORM" is a bonafide record of project work done by PRIYATHARSHINI. R, Reg.No: P19MA025 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON VERTEX MAGIC TOTAL LABELING AND ODD AND EVEN VERTEX MAGIC TOTAL LABELING OF SOME GRAPHS" is a bonafide record of project work done by **SANTHIYA. A**, Reg.No: P19MA026 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


INTERNAL GUIDE
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM

PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON TOTAL GRAPH AND SEMI TOTAL GRAPH" is a bonafide record of project work done by SHANTHINI. V, Reg.No: P19MA027 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

K. K. P.
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Place : Kumbakonam
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K. Gunasekaran
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON ROOT SQUARE MEAN LABELING OF GRAPHS" is a bonafide record of project work done by SNEHALAKSHMI. T, Reg.No: P19MA028 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.4.2021

Place : Kumbakonam
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FUZZY TOPOLOGICAL SPACE AND COMPACT FUZZY TOPOLOGICAL SPACE" is a bonafide record of project work done by SOWMYA. S, Reg.No: P19MA029 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.



INTERNAL GUIDE

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.4.2021

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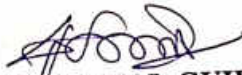
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SEPARABILITY AND COMPACTNESS IN SOFT TOPOLOGICAL SPACES" is a bonafide record of project work done by TAMILARASI. R, Reg.No: P19MA030 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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This is to certify that this project entitled "A STUDY ON ISOMORPHISM ON FUZZY GRAPHS AND COMPLEMENTARY FUZZY GRAPHS" is a bonafide record of project work done by THENMOZHI. S, Reg.No: P19MA031 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 21.4.2021

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PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON NON-COMMUTING GRAPH OF A GROUP" is a bonafide record of project work done by VARSHA. S, Reg.No: P19MA032 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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Place : Kumbakonam
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Dr. K. GUNASEKARAN, M.Sc., M.Phil., B.Ed., Ph.D.,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FUZZY INNER PRODUCT SPACE AND FINITE FUZZY ORTHOGONAL SET" is a bonafide record of project work done by VARSHA RAMAN. P, Reg.No: P19MA033 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirement for the award of the degree of MASTER OF MATHEMATICS.

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE


This is to certify that this project entitled "A STUDY ON GENERALIZATION OF SOME FUZZY CONTINUOUS FUNCTIONS" is a bonafide record of project work done by VENGATESWARI .S, Reg.No: P19MA034 at Government College for Women (Autonomous), Kumbakonam during this year 2019-2021 in partial fulfilment of the requirement for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOFT MATRIX THEORY AND ITS DECISION MAKING" is a bonafide record of project work done by S. AARTHI, Reg. No: P20MA001 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON MATRIX GAMES BASED ON GRAPH" is a bonafide record of project work done by T.AARTHI, Reg. No: P20MA002 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON ANALYTIC ODD AND EVEN MEAN LABELING GRAPH" is a bonafide record of project work done by A.ABIRAMI, Reg. No: P20MA003 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

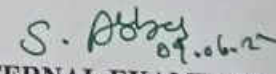
This is to certify that this project entitled "A STUDY ON TIMETABLING USING GRAPH COLOURING" is a bonafide record of project work done by G.ANUSUYA, Reg. No: P20MA004 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FUZZY GRAPH AND FUZZY BI-MAGIC LABELING ON CYCLE GRAPH AND STAR GRAPH" is a bonafide record of project work done by M.ANUSUYA, Reg. No: P20MA005 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON LAPLACIAN MATRIX AND LAPLACIAN EIGENVALUES OF THRESHOLD GRAPHS" is a bonafide record of project work done by M.DURGA, Reg. No: P20MA006 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirement for the award of the degree of MASTER OF MATHEMATICS.

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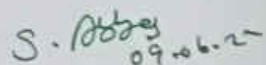
This is to certify that this project entitled "A STUDY ON MATCHING AND COLOURING IN FUZZY LABELING OF GRAPH" is a bonafide record of project work done by M.ELAKKIYA, Reg. No: P20MA007 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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This is to certify that this project entitled "A STUDY ON DOMINATION IN FUZZY GRAPH" is a bonafide record of project work done by U.GOWSALYA, Reg. No: P20MA008 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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This is to certify that this project entitled "A STUDY ON DOMINATION THEORY IN FUZZY GRAPH" is a bonafide record of project work done by R.ISHWARYA, Reg. No: P20MA009 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON PRIME LABELING AND COMMON WEIGHT DECOMPOSITION OF GRAPHS" is a bonafide record of project work done by R.JANSI, Reg. No: P20MA010 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SQUARE AND CUBE DIFFERENCE LABELING OF SOME GRAPHS" is a bonafide record of project work done by J.JAYASRI, Reg. No: P20MA011 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON NEW APPROACH TO SEPARABILITY AND COMPACTNESS IN SOFT TOPOLOGY" is a bonafide record of project work done by V.KEERTHIKAI LAKSHMI, Reg. No: P20MA012 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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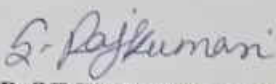
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

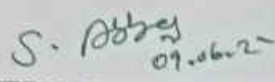
This is to certify that this project entitled "A STUDY ON SUM DISTANCE AND PRODUCT FUZZY DISTANCE TWO LABELING GRAPH" is a bonafide record of project work done by **M.MOHANA**, Reg. No: P20MA014 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON TIME TO RECRUITMENT FOR A SINGLE GRADE MANPOWER SYSTEM" is a bonafide record of project work done by S.NIVETHA, Reg. No: P20MA015 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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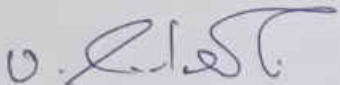
KUMBAKONAM

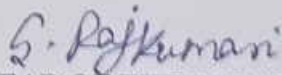
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BONAFIDE CERTIFICATE

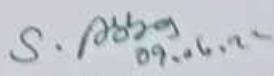
This is to certify that this project entitled "A STUDY ON CONNECTIVITY IN A FUZZY GRAPH AND ITS COMPLEMENT" is a bonafide record of project work done by S.NIVETHA, Reg. No: P20MA016 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SUPER CUBE ROOT CUBE MEAN LABELING OF GRAPHS" is a bonafide record of project work done by A.PARANIKA, Reg. No: P20MA017 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SUPER ROOT SQUARE MEAN LABELING OF GRAPH" is a bonafide record of project work done by G.PRAGATHI, Reg. No: P20MA018 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

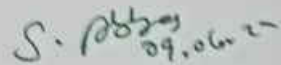
This is to certify that this project entitled "A STUDY ON LUCKY EDGE NEIGHBORHOOD LABELING OF GRAPHS" is a bonafide record of project work done by V.PRAGATHI, Reg. No: P20MA019 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirement for the award of the degree of MASTER OF MATHEMATICS.


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

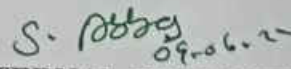
This is to certify that this project entitled "A STUDT ON SOFT P_C - CONNECTED SPACE" is a bonafide record of project work done by **M. PRIYA**, Reg. No: **P20MA020** at Government College for Women (Autonomous), Kumbakonam during this year **2020-2022** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


INTERNAL GUIDE


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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 9.6.2022

Place : Kumbakonam
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EXTERNAL EXAMINER


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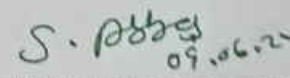
This is to certify that this project entitled “A STUDY ON ALGEBRAIC STRUCTURE OF GENETIC INHERITANCE” is a bonafide record of project work done by **R.RAKSHANA, Reg. No: P20MA021** at Government College for Women (Autonomous), Kumbakonam during this year **2020-2022** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


INTERNAL GUIDE
G. VEMBARASI


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This is to certify that this project entitled "A STUDY ON ODD AND EVEN VERTEX EQUITABLE EVEN LABELING GRAPH" is a bonafide record of project work done by **R.RANJITHA, Reg. No: P20MA022** at Government College for Women (Autonomous), Kumbakonam during this year **2020-2022** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

P. Latha

INTERNAL GUIDE

Mrs. P. Latha
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G.C.W(A), Kumbakonam

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 9.6.2022

S. Rajkumar

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S. Abbas
09.06.22

EXTERNAL EXAMINER

Place : Kumbakonam

Date : 9.6.2022

Lt. Dr. S. ABBAS, M.Sc., M.Phil., M.B.A., M.C.A., Ph.D.,
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON A REVIEW ON RECENT DEVELOPMENTS OF NEUTROSOPIC MATRIX THEORY & OPEN PROBLEMS" is a bonafide record of project work done by S. RENUGA DEVI, Reg. No: P20MA023 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE

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Date : 9.6.2022

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON APPLICATIONS OF LAPLACE AND MOHAND TRANSFORMS" is a bonafide record of project work done by J.SAMEENA RASHMI, Reg. No: P20MA024 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

IC. ICAR
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S. Rajkumari
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Head, Department of Mathematics
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This is to certify that this project entitled "A STUDY ON EDGE MAGIC AND PRIME EDGE MAGIC LABELING OF GRAPHS" is a bonafide record of project work done by R.P SANTHINI, Reg. No: P20MA025 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE

HEAD OF THE DEPARTMENT

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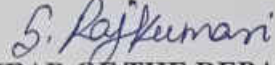
GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

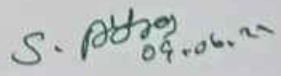
This is to certify that this project entitled "A STUDY ON APPLICATION OF MATRIX AND DETERMINANTS" is a bonafide record of project work done by M.SANTHIYA, Reg. No: P20MA026 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON VIRUS GRAPH AND COVID-19 PANDEMIC APPLICATION OF A GRAPH THEORY" is a bonafide record of project work done by **R.SHABNA, Reg. No: P20MA027** at Government College for Women (Autonomous), Kumbakonam during this year **2020-2022** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

INTERNAL GUIDE

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Date : 9.6.2022

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON APPLICATION OF FUZZY MATRIX THEORY IN MEDICAL DIAGNOSIS" is a bonafide record of project work done by M.SNEKA, Reg. No: P20MA028 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 9.6.2022

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This is to certify that this project entitled "A STUDY ON K-PARTITIONED AND BALANCED K-PARTITIONED FUZZY GRAPH" is a bonafide record of project work done by **M.SOUNDHARANAYAKI**, Reg. No: P20MA029 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

P. Latha
INTERNAL GUIDE
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S. Rajkumar
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This is to certify that this project entitled "A STUDY ON THEORY OF CONSUMER BEHAVIOUR" is a bonafide record of project work done by N.SWETHA, Reg. No: P20MA030 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

K. Karpagam
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Place : Kumbakonam
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This is to certify that this project entitled "A STUDY ON TYPE-2 FUZZY SOFT TOPOLOGICAL SPACES" is a bonafide record of project work done by G.VARSHA, Reg. No: P20MA031 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 9.6.2022

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Lt. Dr. S. ABBAS, M.Sc., M.Phil., M.B.A., M.C.A., Ph.D.,
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**GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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BONAFIDE CERTIFICATE

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INTERNAL GUIDE

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Place : Kumbakonam
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This is to certify that this project entitled "A STUDY ON MATHEMATICAL MODELLING THROUGH CALCULUS OF VARIATIONS AND DYNAMIC PROGRAMMING" is a bonafide record of project work done by R.VIJAYAVALLI, Reg. No: P20MA033 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SUPER HARMONIC AND K-SUPER HARMONIC MEAN LABELING OF H-GRAPHS" is a bonafide record of project work done by V.VINOTHINI, Reg. No: P20MA034 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE

Dr. G. Sathiyabharathi
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 9.6.2022

Place : Kumbakonam

Date : 9.6.2022


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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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PG AND RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON CONTRA HARMONIC MEAN LABELLING OF GRAPHS" is a bonafide record of project work done by S.VISHNUPRIYA, Reg. No: P20MA035 at Government College for Women (Autonomous), Kumbakonam during this year 2020-2022 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 9.6.2022

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
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PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON S_α -CONNECTEDNESS AND APPLICATIONS OF α -OPEN SETS IN TOPOLOGICAL SPACES" is a bonafide record of project work done by M. ABINAYA, Reg. No: P21MA001 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

Acad. Anujak
INTERNAL GUIDE
Dr. K.R. RAJAL

S. Rajkumari
HEAD OF THE DEPARTMENT
Head, Department of Mathematics
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Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on _____.

M. S. S.
2021/2023
EXTERNAL EXAMINER

Dr. (Mrs) N. SARALA, B.Sc., M.Phil., B.Ed., Ph.D.
Head / Associate Professor,
PG and Research Department of Mathematics,
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Kumbakonam - 612 001

Place: Kumbakonam

Date :



GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "APPLICATIONS OF MATHEMATICS IN SOCIAL AND BIOLOGICAL SCIENCE" is a bonafide record of project work done by **S.R. ABINAYA, Reg No: P21MA002** at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

[Signature] 26/04/2023
INTERNAL GUIDE

[Signature] 26/4/2023
HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023

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EXTERNAL EXAMINER

Place: Kumbakonam

Date : 27.04.2023



Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Phd.,
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ADM College For Women (Autonomous),
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BONAFIDE CERTIFICATE

This is to certify that this project entitled “A STUDY ON QUEUEING THEORY AND ITS APPLICATIONS” is a bonafide record of project work done by **M. ABIRAMI**, Reg. No: P21MA003 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

K. K. P. A.
26/04/2023
INTERNAL GUIDE

S. Rajkumar 26/4/2023
HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27/04/23

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Date : 27/04/23



Dr.(Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Phd.,
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PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled “CONCEPTS AND RESULTS ON COMPLETE FUZZY METRIC SPACE” is a bonafide record of project work done by M.ANJUGAM, Reg. No: P21MA004 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

lc. U. P. J.
26/04/2023
INTERNAL GUIDE

S. Rajkumar
26/4/2023
HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27/04/23

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Place: Kumbakonam

Date: 27/04/23



Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Phd.,
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON MATHEMATICAL MODELING OF SHIP STABILITY" is a bonafide record of project work done by S.BARANIKA, Reg. No: P21MA005 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

IC. U. P. / 26/04/2023
INTERNAL GUIDE

S. Rajkumari 26/4/2023
HEAD OF THE DEPARTMENT
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Kumbakonam - 612 001.

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N. S. / 27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27/04/23



Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Ph.D.,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON APPLICATION OF GRAPH THEORY IN SOCIAL MEDIA" is a bonafide record of project work done by M. BHOOMA SHAKTHI, Reg No: P21MA006 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

RA
26/04/23
INTERNAL GUIDE

S. Palkkumani 26/4/2023
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27/04/2023

Place: KUMBAKONAM

Date: 27/4/23



nr. he
27/4/23
EXTERNAL EXAMINER

Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Ph.D.
Head / Associate Professor,
PG And Research Department Of Mathematics,
ADM College For Women (Autonomous),
Nagapattinam - 611 001

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON THE ZERO DIVISOR GRAPH" is a bonafide record of project work done by G.BHUVANESHWARI, Reg No: P21MA007 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

A. R. Dnyanesh
INTERNAL GUIDE
Dr. A. R. RAJAYAN

G. Rajkumari
HEAD OF THE DEPARTMENT

Head, Department of Mathematics
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on _____.

M. He
27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date :



Dr. (Mrs) N. SARALA, M.Sc. B.Ed. M.Phil.
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KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON CYCLE SPACE AND BOND SPACE OF AN INFINITE GRAPH" is a bonafide record of project work done by **K. BHUVANESHWARI**, Reg No: P21MA008 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


26/04/23
INTERNAL GUIDE


26/4/2023
HEAD OF THE DEPARTMENT

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Government College for Women (Autonomous)
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.23


27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.04.23



Dr. (Mrs) S. Srinivasan, B.A., M.A., B.Ed., Ph.D.,
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Autonomous College For Women (Autonomous),
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PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON STANDARD EIGENVECTORS AND INDICES OF INCLINE MATRICES" is a bonafide record of project work done by M. BHUVANESHWARI, Reg. No: P21MA009 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE


HEAD OF THE DEPARTMENT

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.4.23


EXTERNAL EXAMINERS

Place: Kumbakonam

Date : 27.4.23



Dr.(Mrs) N. SARALA B.Sc., M.Phil., B.Ed., Ph.D.,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SPECTRUM AND ENERGY OF GRAPH" is a bonafide record of project work done by M. DEEPIKA, Reg.No: P21MA011 at Government College for Women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


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HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.4.23


EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.4.23



Dr. (Mrs) M. SARALA, M.Sc., B.Ph., B.Ed., Ph.D.
Head / Associate Professor
PG And Research Department Of Mathematics,
ADM College For Women (Autonomous),
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON ARTIFICIAL FUZZY NEURAL NETWORKS AND HYBRID FUZZY NEURAL NETWORKS" is a bonafide record of project work done by F. FAYZA ZULAIHA, Reg.No: P21MA012 at Government College for Women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

U. Sulekha
26/4/23
INTERNAL GUIDE

S. Rajkumari 26/4/2023
HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27/04/2023

Dr. He 27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27/04/2023



Dr. He
Associate Professor,
PG & Research Department Of Mathematics,
Government College For Women (Autonomous),
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON APPLICATION OF INTERVAL VALUED FUZZY SOFT MATRIX (IVFSM) IN DECISION MAKING PROBLEM" is a bonafide record of project work done by A. KAMALI, Reg.No: P21MA013 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

S. Rajkumar 26/4/2023
INTERNAL GUIDE

S. Rajkumar 26/4/2023
HEAD OF THE DEPARTMENT

Head, Department of Mathematics
Government College for Women (Autonomous)
Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on _____.

Place: KUMBAKONAM

Date:

M. He
27/4/23
EXTERNAL EXAMINER



Dr. J. N. SIVALA, M.Sc., M.Phil., B.Ed., Ph.D.
Head, Associate Professor,
PG & Research Department of Mathematics,
Government College for Women (Autonomous),
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON IDEAL CLOSURE SPACES AND SEMI PRIME IDEAL IN TOPOLOGICAL SPACES" is a bonafide record of project work done by D. KANIMOZHI, Reg. No: P21MA014 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE


HEAD OF THE DEPARTMENT

Head, Department of Mathematics
Government College for Women (Autonomous),
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023


EXTERNAL EXAMINER

Dr. (Mrs) N. SARATHA, M.Sc., M.Phil., B.Ed., Ph.D.,
Head / Professor / Professor,
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AGM College For Women (Autonomous),
Nogapattanam - 611 001

Place: Kumbakonam

Date: 27.04.2023



GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

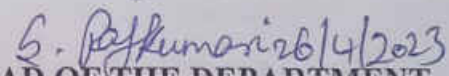
PG & RESEARCH DEPARTMENT OF MATHEMATICS




BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON EDGE COLOURING OF FUZZY GRAPH AND ITS APPLICATIONS" is a bonafide record of project work done by **K. KAVIPRIYA**, Reg No: **P21MA015** at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


INTERNAL GUIDE


HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27. 04. 2023


EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27. 04. 2023



Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Ph.D.
Head / Associate Professor,
PG And Research Department Of Mathematics,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

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BONAFIDE CERTIFICATE

This is to certify that this project entitled “NETWORK TOPOLOGY AND ITS APPLICATIONS” is a bonafide record of project work done by A. KEERTHANA, Reg. No: P21MA016 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

P -  26/04/23
INTERNAL GUIDE

S. Rajkumar 26/4/2023
HEAD OF THE DEPARTMENT

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023

 27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date : 27.04.2023



Dr. (Mrs) N. SARALA, M.Sc., M.Phil., D.Ed., Ph.D.,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

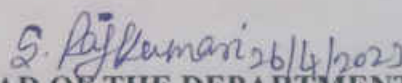
PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

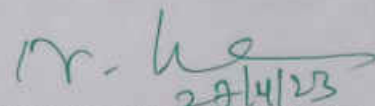
This is to certify that this project entitled "A STUDY ON RADIO MEAN SQUARE LABELING OF SOME GRAPHS" is a bonafide record of project work done by K. MADHUMITHA, Reg. No: P21MA017 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


26/04/2023
INTERNAL GUIDE


26/4/2023
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023


29/4/23
EXTERNAL EXAMINER

Place:

Date: 27.04.23



Dr. (Mrs) N. SARALA, B.Sc., M.Phil., B.Ed., Ph.D.
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KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON APPLICATIONS OF MATHEMATICS IN INDUSTRY" is a bonafide record of project work done by S. MARAGATHAVALLI, Reg No: P21MA018 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

26/4/2023
INTERNAL GUIDE

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HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on _____.

Dr. He 29/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date : 27.04.2023



Dr.(Mrs) N. SARALA, M.Sc., M.Phil, B.Ed., Phd.,
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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON FUZZY BOOLEAN ALGEBRA WITH APPLICATIONS" is a bonafide record of project work done by A. MOHANAPRIYA, Reg.No: P21MA019 at Government College for Women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


INTERNAL GUIDE


HEAD OF THE DEPARTMENT
Head, Department of Mathematics
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023


EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.04.2023



Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Ph.D.
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PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled “A STUDY ON RHOTRIX THEORY AND ITS APPLICATIONS” is a bonafide record of project work done by P. MOHANASUNDHARI, Reg. No: P21MA020 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

U. S. Lakshmi
26/4/23
INTERNAL GUIDE

S. Rajkumar 26/4/2023
HEAD OF THE DEPARTMENT
Head, Department of Mathematics
Government College for Women (Autonomous)
Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27 04 2023

M. K. Srinivasan
27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27 04 2023



Dr./Mrs. M. Srinivasan, Ph.D., M.A., M.Ed., Ph.D.,
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Kumbakonam - 612 001

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS

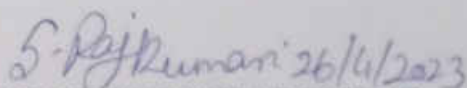


BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON LUCKY EDGE LABELING OF PLANAR GRID AND CORONA GRAPHS" is a bonafide record of project work done by S. NALINAPRIYA, Reg. No: P21MA021 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

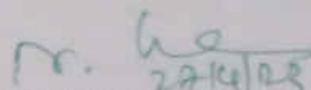

26/04/2023

INTERNAL GUIDE


26/4/2023
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.4.23


27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.4.23



Dr. Mrs. N. SASELA, M.Sc., B.Ph., B.Ed., Ph.D.
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PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON DESIGN OF MEASURE OF FUZZY INCLUSION" is a bonafide record of project work done by K.PRIYADHARSHINI, Reg. No: P21MA023 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

26/4/2023
INTERNAL GUIDE

S. Rajkumar 26/4/2023
HEAD OF THE DEPARTMENT
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on *27.04.2023*

Mr. he 27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: *27.04.2023*



Dr(Mrs) N. SATHYAN, M.Sc., M.Phil., B.Ed., Ph.D.,
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KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON SOME TYPES OF BILINEAR FORMS IN FINITE DIMENSIONAL VECTOR SPACES" is a bonafide record of project work done by K.PRIYADHARSHINI, Reg. No: P21MA024 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

[Signature] 26/4/23
INTERNAL GUIDE

[Signature] 26/4/2023
HEAD OF THE DEPARTMENT

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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023

Place: Kumbakonam

Date: 27.04.2023



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EXTERNAL EXAMINER

Dr. (Mrs) N. SURESH K. M. Sc., B.Ph.D., B.Ed., Ph.D.,
Head, PG & Research Department,
PG And Research Department of Mathematics,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON PROJECTION MATRICES" is a bonafide record of project work done by S.SANKARI, Reg.No: P21MA026 at Government College for Women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

INTERNAL GUIDE

HEAD OF THE DEPARTMENT

Head, Department of Mathematics
Government College for Women (Autonomous),
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Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023

27/4/23

EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.04.2023



Dr. (Mrs) N. SUDALSA, M.Sc., M.Phil., B.Ed., Ph.D.,
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ADM College For Women (Autonomous),
Nagapattinam - 611 001

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KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON MINIMAL OPEN SETS ON GENERALIZED TOPOLOGICAL SPACE" is a bonafide record of project work done by M.SANMUGAPRIYA, Reg. No: P21MA027 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

ACK. *[Signature]*

INTERNAL GUIDE

[Signature] DR. AKR. RAJAYAL

[Signature]

HEAD OF THE DEPARTMENT

Head, Department of Mathematics

Government College for Women (Autonomous),

Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on _____.

[Signature]
27/4/23
EXTERNAL EXAMINER

Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Ph.D.,
Head / Associate Professor,
PG And Research Department Of Mathematics,
ADM College For Women (Autonomous),
Kumbakonam - 612 001

Place : Kumbakonam

Date :



GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

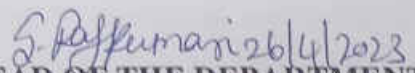
PG & RESEARCH DEPARTMENT OF MATHEMATICS




BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON REFINED AND n-REFINED NEUTROSOPHIC MATRICES" is a bonafide record of project work done by M.SARMILA Reg.No: P21MA028 at Government College for Women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.


26/04/23
INTERNAL GUIDE


26/4/2023
HEAD OF THE DEPARTMENT
Head, Department of Mathematics
Government College for Women (Autonomous)
Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023


27/4/23
EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.04.2023

Dr. (Mrs) N. SARALA, M.Sc., M.Phil., B.Ed., Ph.D.,
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON UNIFORM CONVERGENCE IN TOPOLOGY AND ALMOST UNIFORM CONVERGENCE IN TOPOLOGY" is a bonafide record of project work done by K. SUBETHA, Reg. No: P21MA029 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

P.  26/04/23
INTERNAL GUIDE

S. Rajkumari 26/4/2023
HEAD OF THE DEPARTMENT

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Government College for Women (Autonomous)
Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.23

Place: KUMBAKONAM

Date: 27.04.2023



 27/4/23
EXTERNAL EXAMINER

Dr. (Mrs) M. SURESH, M.Sc., M.Phil., D.Ed., Ph.D.,
Head / Associate Professor,
PG And Research Department of Mathematics,
ADW College For Women (Autonomous),
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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM
PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON ROBOTICS TOPOLOGY AND ITS APPLICATION" is a bonafide record of project work done by P. SUPRAJA, Reg. No: P21MA030 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

P.  26/04/23
INTERNAL GUIDE

S. Rajkumari 26/4/2023
HEAD OF THE DEPARTMENT

Head, Department of Mathematics
Government College for Women (Autonomous)
Kumbakonam - 612 001.

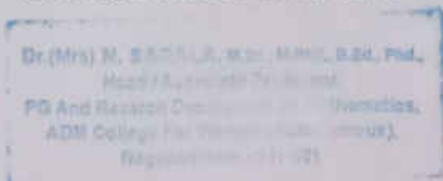
Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023.

Place: KUMBAKONAM

Date: 27-04-2023



 27/4/23
EXTERNAL EXAMINER



GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM


PG & RESEARCH DEPARTMENT OF MATHEMATICS



BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON HYPERGRAPH" is a bonafide record of project work done by **R. SWETHA**, Reg.No: P21MA031 at **Government College for Women (Autonomous), Kumbakonam** during this year **2021-2023** in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.


INTERNAL GUIDE


HEAD OF THE DEPARTMENT
Head, Department of Mathematics
Government College for Women (Autonomous)
Kumbakonam - 612 001.

Submitted for the viva voce examination held at Government College for Women (Autonomous), Kumbakonam on 27.04.2023


EXTERNAL EXAMINER

Place: Kumbakonam

Date: 27.04.2023



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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON CODING THEORY AND ITS APPLICATION" is a bonafide record of project work done by **B.TAMILARASI**, Reg No: P21MA032 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of **MASTER OF MATHEMATICS**.

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BONAFIDE CERTIFICATE

This is to certify that this project entitled "A STUDY ON INTUITIONISTIC FUZZY SOFT MATRICES AND ITS APPLICATION OF MEDICAL DIAGNOSIS" is a bonafide record of project work done by M.VAISHNAVI, Reg. No: P21MA033 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

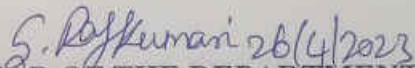
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INTERNAL GUIDE


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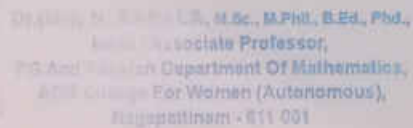
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This is to certify that this project entitled "A STUDY ON INTERVAL-VALUED FUZZY MATRICES AND ITS APPLICATIONS" is a bonafide record of project work done by B. VINISHA, Reg. No: P21MA035 at Government college for women (Autonomous), Kumbakonam during this year 2021-2023 in partial fulfilment of the requirements for the award of the degree of MASTER OF MATHEMATICS.

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