GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM – 612 001

Affiliated to Bharathidasan University

DST - CURIE Sponsored Institution

IV Cycle of Accreditation

Estd. 1963   📞 **0435 – 2401391**   ✉ **principal@gcwk.ac.in**

DEPARTMENT OF MATHEMATICS

Professional Ethics-PE, Gender-G, Human Values –HV, Environment and Sustainability- E&S

2022-2023

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
1.	ABINAYA M	A STUDY ON Sα-CONNECTEDNESS AND APPLICATION OF α-OPEN SETS IN TOPOLOGICAL SPACES	E&S
2.	ABINAYA S R	A STUDY ON APPLICATION OF MATHEMATICS IN SOCIAL AND BIOLOGICAL SCIENCE	PE
3.	ABIRAMI M	A STUDY OF QUEUEING THEORY AND ITS APPLICATION	PE
4.	ANJUGAM M	A STUDY ON CONCEPT AND RESULTS ON COMPLETE FUZZY METRIC SPACE	E&S
5.	BARANIKA S	A STUDY OF MATHEMATICAL MODELLING OF SHIP STABILITY	E&S
6.	BHOOMA SHAKTHI M	A STUDY ON APPLICATION AND GRAPH THEORY IN SOCIAL MEDIA	E&S
7.	MARAGATHAVALLI S	A STUDY ON APPLICATIONS OF MATHEMATICS IN INDUSTRIAL FIELD	E&S
8.	MOHANAPRIYA A	A STUDY ON FUZZY BOOLEAN ALGEBRA WITH APPLICATIONS	E&S
9.	MOHANA SUNDARI P	A STUDY ON RHOTRIX THEORY AND ITS APPLICATION	E&S
10.	SARMILA M	A STUDY ON REFINED NETROSOPHIC MATRICES	E&S
11.	SUBETHA K	A STUDY ON UNIFORM CONVERGENCE IN TOPOLOGY AND ALMOST UNIFORM CONVERGENCE IN TOPOLOGY	E&S
12.	SUPRAJA P	A STUDY ON ROBOTICS TOPOLOGY AND ITS APPLICATIONS	E&S
13.	SWETHA R	A STUDY ON HYPER GRAPHS	E&S
14.	TAMILARASI B	A STUDY ON CODING THEORY AND ITS APPLICATIONS	E&S
15.	VAISHNAVI M	FUZZY SOFT MATRICES AND ITS APPLICATION OF MEDICAL DIAGNOSIS	E&S
16.	VEERASELVI D	CARDIAL LABELLING OF SOME CYCLE AND SUBDIVISION OF SNAKES	E&S
17.	VINISHA B	A STUDY ON INTERVALVALUED FUZZY MATRICES AND ITS APPLICATIONS	E&S

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18.	KAMALI A	INTERVAL VALUED FUZZY SOFT MATRIX IN DECISION MAKING PROBLEM	E&S
19.	NALINAPRIYA S	A STUDY ON LUCKY EDGE LABELLING OF PLANAR GRID AND CORONA GRAPHS	E&S
20.	PRIYADHARSHINI K	A STUDY ON DESIGN OF MEASURE OF FUZZY INCLUSION	E&S

2021-2022

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
21.	G.ANUSUYA	A STUDY ON TIME TABLING USING GRAPH COLOURING	E&S
22.	M.ANUSUYA	A STUDY ON FUZZY GRAPH AND FUZZY BI-MAGIC LABELING ON CYCLE GRAPH AND STAR GRAPH	E&S
23.	V.KEERTHIKAI LAKSHMI	A STUDY ON NEW APPROACH TO SEPARABILITY AND COMPACTNESS IN SOFT TOPOLOGY	E&S
24.	S.NIVETHA	A STUDY ON CONNECTIVITY IN A FUZZY GRAPH AND ITS COMPLEMENT	E&S
25.	M. PRIYA	A STUDT ON SOFT P_C – CONNECTED SPACE	E&S
26.	R.RAKSHANA	A STUDY ON ALGEBRAIC STRUCTURE OF GENETIC INHERITANCE	E&S
27.	S. RENUGA DEVI	A STUDY ON A REVIEW ON RECENT DEVELOPMENTS OF NEUTROSOPIC MATRIX THEORY & OPEN PROBLEMS	E&S
28.	J.SAMEENA RASHMI	A STUDY ON APPLICATIONS OF LAPLACE AND MOH AND TRANSFORMS	E&S
29.	R.P SANTHINI	A STUDY ON EDGE MAGIC AND PRIME EDGE MAGIC LABELING OF GRAPHS	E&S
30.	N.SWETHA	A STUDY ON THEORY OF CONSUMER BEHAVIOUR	E&S
31.	G.VARSHA	A STUDY ON TYPE-2 FUZZY SOFT TOPOLOGICAL SPACES	E&S
32.	R.VIJAYAVALLI	A STUDY ON MATHEMATICAL MODELLING THROUGH CALCULUS OF VARIATIONS AND DYNAMIC PROGRAMMING	E&S

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2020-2021

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
33.	GAYATHRI. A	A STUDY ON PRIME LABELING OF UNION GRAPHS	E&S
34.	ISHWARIYA. R	A STUDY ON BITOPOLOGICAL SPACES	E&S
35.	KALAIMANI. K	A STUDY ON GRAPHOIDAL COVERING AND 2-GRAPHOIDAL COVERING NUMBER OF A GRAPH	E&S
36.	KALAIMATHI. A	A STUDY ON HARMONIOUS LABELING AND HARMONIOUS COLOURING OF GRAPHS	E&S
37.	KALPANA. S	A STUDY ON APPLICATION OF QUEUING THEORY APPLIED IN OUR DAY TO DAY LIFE	PE
38.	LISHA. K	A STUDY ON TYPES OF LATTICES	E&S
39.	MULLAI. B	A STUDY ON REGULAR AND IRREGULAR FUZZY GRAPHS	E&S
40.	NITHYA. E	A STUDY ON ADJOINT THEORY OF SQUARE FUZZY MATRIX	E&S
41.	PAVATHARANI. P. S	A STUDY ON CHAPMAN-KOLMOGOROV EQUATION IN FORWARD AND BACKWARD EQUATIONS AND ITS APPLICATION	PE
42.	PRIYATHARSHINI. R	A STUDY ONFINITE DIMENSIONAL TOPOLOGICAL VECTOR SPACE AND CONNECTION TO SEMINORM	E&S
43.	SANTHIYA. A	A STUDY ON VERTEX MAGIC TOTAL LABELING AND ODD AND EVEN VERTEX MAGIC TOTAL LABELING OF SOME GRAPHS	E&S
44.	TAMILARASI. R	A STUDY ON SEPARABILITY AND COMPACTNESS IN SOFT TOPOLOGICAL SPACES	E&S
45.	THENMOZHI. S	A STUDY ON ISOMORPHISM ON FUZZY GRAPHS AND COMPLEMENTARY FUZZY GRAPHS	E&S
46.	VARSHA. S	A STUDY ON NON-COMMUTING GRAPH OF A GROUP	E&S
47.	VARSHA RAMAN. P	A STUDY ON FUZZY INNER PRODUCT SPACE AND FINITE FUZZY ORTHOGONAL SET	E&S

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2019-2020			
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48.	R.ARTHI	A STUDY ON MINIMUM HAMMING DISTANCE AND HAMMING CODE	PE
49.	G. DIVYA	A STUDY ON SOME NEW SETS IN IDEAL TOPOLOGICAL SPACES	E&S
50.	S. ELAMATHY	A STUDY ON APPLICATION OF SOFT SET THEORY USING DECISION MAKING PROBLEM	PE
51.	R. GEETHA	A STUDY ON SOFT GENERALIZED CLOSED SETS IN SOFT TOPOLOGICAL SPACES	E&S
52.	M. MUTHULAKSHMI	A STUDY ON F - GEOMETRIC AND SUPER GEOMETRIC MEAN LABELING OF GRAPHS	E&S
53.	B. NANTHINI	A STUDY ON GENERALIZED b STAR CLOSED SETS AND SEMI GENERALIZED STAR - b CLOSED SETS IN TOPOLOGICAL SPACES	E&S
54.	S. REVATHI	A STUDY ON MATHEMATICAL MODELING ON CANCER TREATMENT	E&S
55.	P. SANKARI	A STUDY ON GENERALIZED b - COLSED SETS IN TOPOLOGICAL SPACES	E&S
56.	R. SATHYA	A STUDY ON SECOND ORDER LINEAR EQUATION AND ITS APPLICATION	E&S
57.	S. SINDHUJA	A STUDY ON POWER MEAN LABELING OF GRAPHS	E&S
58.	N. SIVARANJANI	A STUDY ON LINEAR CODES AND PARITY CHECK MATRIX	E&S

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2018-2019			
S. No	Name	Title of the Project	Cross Cutting Issue Addressed
59.	E. ABIRAMI	A STUDY ON SOFT SEMI SEPARATION AXIOMS AND CONNECTEDNESS	E&S
60.	S. ALAMELU	A STUDY ON TOPOLOGICAL GROUPS	E&S
61.	B. BHUVANESHWARI	A STUDY ON DIFFERENT TYPES PAIRWISE B-CONTINUOUS FUNCTIONS IN BITOPOLOGICAL SPACES	E&S
62.	B.ESWARI	A STUDY ON MULTI FUZZY GROUP AND ITS LEVEL SUBGROUPS	E&S
63.	J.GUNASUNDARI	A STUDY ON METHODS OF GAME THEORY	PE
64.	S. KALAIYARASI	A STUDY ON MORE PENROSE INVERSE AND DRASING PSEUDO INVERSE OF A MATRIX	E&S
65.	Y. KANIMOZHI	A STUDY ON PARTIALLY ORDERED R- SEMI GROUPS AND PARTIAL ACTION OF INVERSE SEMI GROUPS	E&S
66.	M. RAMYA	A STUDY ON CHARACTERIZATION OF LOW SEPARATION AXIOMS IN VIA ALPHA-OPEN SETS AND ALPHA' – CLOSURE OPERATOR	E&S
67.	M. SANGEETHA	A STUDY ON MINIMAL TOPOLOGY.	E&S
68.	YOGALAKSHMI.R	A STUDY ON COMPLETION OF A METRIC SPACE	E&S

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