



ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

Permanently Affiliated to Thiruvalluvar University
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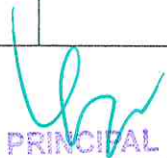
Approved by the Government of Tamil Nadu
Phone:04174-235266 Email: principalwac@gmail.com
www.islamiahwomensartsandsciencecollege.com

Project Details 2022 - 2023

Program Name: M.Sc Maths - Program Code : P20

S.No	List Of Students	Project Title	Place Of Work	Duration
1	Anandhi.V	Application Of Graph Theory Concept For Traffic Light Control At Cross Road	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
2	Anusuya.J	A Study On Hyperbolic Geometry And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
3	Arshiya Kousar.F	The Study On Proper Maintanance And Replacement Of Equipment	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
4	Ayesha Siddiqua.F	Queuing Theory And Its Application In Health Care	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
5	Divya.R	A Study On Star Coloring And Rainbow Coloring Of Graphs	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
6	Durgamani.P	A Study On Digital Topology	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester




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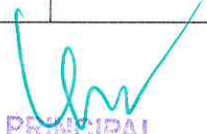
7	Indupriya.S	A Study On Cauchy-Schwarz Inequality	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
8	Jeevika.K	A Study On Fibonacci Sequence And Its Applications In Coding Theory	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
9	Jeevitha.G	Decision Theory And Its Application In Business	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
10	Jothilakshmi.S	A Study On Green's Theorem In Electromagnetic Field Theory	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
11	Kalaiyarasi.A	A Study On Poisson Distribution And It's Application On Business	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
12	Logeshwari.A	A Study On Application Of Differential Equation In Real Life	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
13	Madhumitha.S	A Project Management & Network Analysis In CPM	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
14	Mahalakshmi.R	A Role Of Statistics In Weather Forecasting	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
15	Malini.S	A Study On Nashi Equilibrium In Game Theory And Application In Cricket	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester



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16	Mamtha.S	Matrix Representation Of Graph Theory With Different Operations	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
17	Meenatchi.T	A Study On Importance Of Pythagoras Theorem In Real Life And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
18	Oviya.S	Component Connectivity Of Generalized Petersen Graphs	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 - One Semester
19	Sangavi.R	A Study On Graph Theory Related To Energy Sector	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
20	Shalini.V	A Study On Four Colour Theorem In Graph Theory	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
21	Sharika Anjum.O	A Study On Solution Of a Job Sequencing And Assignment Problem	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
22	Sneha.M	A Study On Baye's Theorem And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023
23	Sowmiya.M	A Study On Analysis Of Variance And Comparison Of t-Test And Anova Test In One- Way And Two-Way Anova	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
24	Swetha.G	A Review On Transportation Model In Operation Research	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester



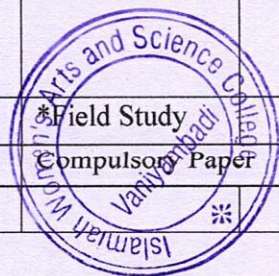

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THIRUVALLUVAR UNIVERSITY
MASTER OF SCIENCE

M.Sc. MATHEMATICS
DEGREE COURSE
UNDER CBCS
(With effect from 2020-2021)

The Course of Study and the Scheme of Examination

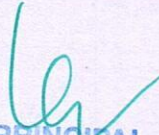
Sl. No.	Study Components		ins. hrs / week	Credit	Title of the Paper	Maximum Marks		
	Course Title					CIA	Uni. Exam	Total
SEMESTER I								
1.	Core	Paper -1	6	5	Algebra-I	25	75	100
2.		Paper -2	6	5	Real Analysis –I	25	75	100
3.		Paper -3	6	4	Ordinary Differential Equations	25	75	100
Internal Elective for same major students (Choose any one)								
4.	Core Elective	Paper-1	6	3	(to choose one out of 3) A. Probability Theory B. Mechanics C. Graph Theory	25	75	100
External Elective for other major students (Inter/multi disciplinary papers)								
5.	Open Elective	Paper-1	6	3	(to choose one out of 3) A. Basic Mathematics B. Mathematical Foundations C. Mathematical Modeling	25	75	100
			30	20		125	375	500
SEMESTER II								
6.	Core	Paper-4	6	5	Algebra-II	25	75	100
7.		Paper-5	6	5	Real Analysis –II	25	75	100
8.		Paper-6	6	4	Partial Differential Equations	25	75	100
Internal Elective for same major students (Choose any one)								
9.	Core Elective	Paper-2	5	3	(to choose one out of 3) A. Mathematical Statistics B. Fuzzy Set Theory C. Difference Equations	25	75	100
External Elective for other major students (Inter/multi disciplinary papers)								
10.	Open Elective	Paper-2	5	3	(to choose one out of 3) A. Fundamentals of Insurance B. Numerical Methods C. Fundamentals of Business Statistics	25	75	100
11.	Field Study		-	2		100	-	100
12.	Compulsory Paper		2	2	Human Rights & Duties	25	75	100
			30	24		250	450	700



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SEMESTER III						CIA	Uni. Exam	Total
13.	Core	Paper-7	6	6	Complex Analysis –I	25	75	100
14.		Paper-8	6	5	Topology	25	75	100
15.		Paper-9	6	5	Differential Geometry	25	75	100
Internal Elective for same major students								
16.	Core Elective	Paper-3	6	3	(to choose one out of 3) A. LaTeX B. Discrete Mathematics C. Operations Research	25	75	100
External Elective for other major students (Inter/multi disciplinary papers)								
17.	Open Elective	Paper-3	6	3	(to choose one out of 3) A. Mathematical Biology B. Quantitative Techniques C. SCILAB	25	75	100
18.	**MOOC Courses		-	-				100
			30	22		125	375	600
SEMESTER IV						CIA	Uni. Exam	Total
19.	Core	Paper-10	5	4	Complex Analysis –II	25	75	100
20.		Paper-11	5	4	Fluid Dynamics	25	75	100
21.		Paper-12	5	5	Functional Analysis	25	75	100
22.	Core	Project	5	5	Project with <i>viva voce</i>	100 (75 Project +25 viva)		100
Internal Elective for same major students								
23.	Core Elective	Paper-4	5	3	(to choose one out of 3) A. Number Theory and Cryptography B. Advanced Numerical Analysis C. Calculus of Variations and Integral Equations	25	75	100
External Elective for other major students (Inter/multi disciplinary papers)								
24.	Open Elective (Non-Major)	Paper-4	5	3	(to choose one out of 3) A. Mathematical Economics B. Entrepreneurial Development C. Programming in C++	25	75	100
			30	24		125	375	600
			120	90				2400




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April-2023

BONAFIDE CERTIFICATE

This is certify that the project work titled "APPLICATION OF GRAPH THEORY CONCEPT FOR TRAFFIC LIGHT CONTROL AT CROSSROAD" is a bonafide record done by Ms. ANANDHI.V (REGISTER NO: 31221P20001) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Dr. L.JAGADEESWARI, M.Sc., M.Phil., B.Ed., Ph.D.,


Signature of the guide and supervisor

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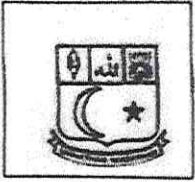
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This is certify that the project work titled "A STUDY ON
HYPERBOLIC GEOMETRY AND IT'S APPLICATION" is a bonafide
record done by Ms. J. ANUSUYA (REGISTER NO: 31221P20002) in partial
fulfillment of the award of the degree of Master of science in Mathematics under
the guidance and supervisor of **Dr. L. JAGADEESWARI, M.Sc., M.Phil.,
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This is certify that the project work titled " **THE STUDY ON
PROPER MAINTANENCE AND REPLACEMENT OF AN EQUIPMENT**
" is a bonafide record done by **Ms. F.ARSHIYA KOUSAR (REGISTER NO:
31221P20003)** in partial fulfillment of the award of the degree of Master of
science in Mathematics under the guidance and supervisor of **Dr. L.
JAGADEESWARI, M.Sc., M.Phil., B.Ed., Ph.D.,**

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This is certify that the project work titled **“QUEUEING THEORY AND IT'S APPLICATION IN HEALTH CARE”** is a bonafide record done by **Ms. AYESHA SIDDIQUA .F (REGISTER NO: 31221P20004)** in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of **Dr. L. JAGADEESWARI, M.Sc., M.Phil., B.Ed., Ph.D.,**

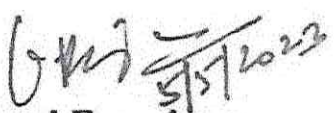
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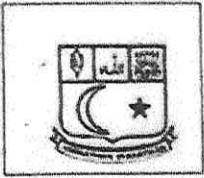
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COLORING AND RAINBOW COLORING OF GRAPHS" is a bonafide
record done by Ms. R. DIVYA (REGISTER NO: 31221P20005) in partial
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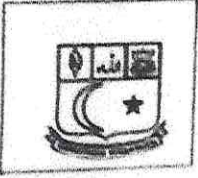
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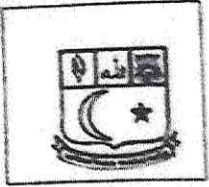
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This is certify that the project work titled "A STUDY ON THE CAUCHY SCHWARZ INEQUALITY" is a bonafide record done by Ms. INDUPRIYA.S (REGISTER NO: 31221P20007) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Ms.H.M.TANVEERA SULTANA, M.Sc., M.Phil., B.Ed., SET.,

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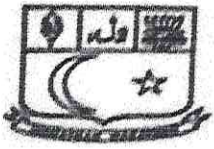
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This is certify that the project work titled “A STUDY ON FIBONACCI SEQUENCE AND ITS APPLICATIONS IN CODING THEORY” is a bonafide record done by Ms. JEEVIKA. K (REGISTER NO: 31221P20008) in partial fulfillment of the award of the degree of Master of Science in Mathematics under the guidance and supervision of Ms. H.M. TANVEERA SULTANA M.Sc., M.Phil., SET., B.Ed.,



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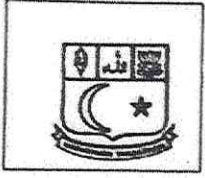
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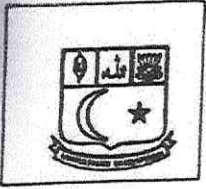
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This is certify that the project work titled "STUDY ON POISSON DISTRIBUTION AND IT'S APPLICATION ON BUSINESS" is a Bonafide record done by Ms. A. KALAIYARASI (REGISTER NO: 31221P2011) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Dr. L. JAGADEESWARI, M.Sc., M.Phil., B.Ed., Ph.D.,

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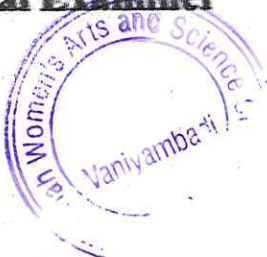
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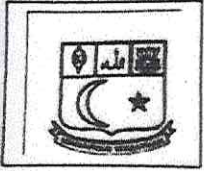
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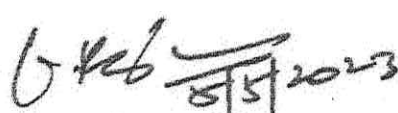
This is certify that the project work titled "A STUDY ON APPLICATION OF DIFFERENTIAL EQUATION IN REAL LIFE" is a bonafide record done by **Ms. A. LOGESHWARI (REGISTER NO: 31221P20012)** in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of **Dr. L. JAGADEESWARI., M.Sc., M.Phil. B.Ed., Ph.D.,**


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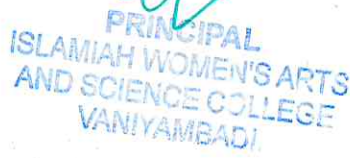
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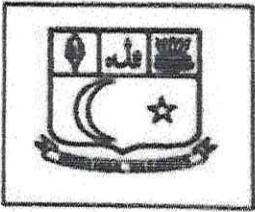
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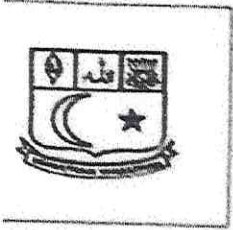
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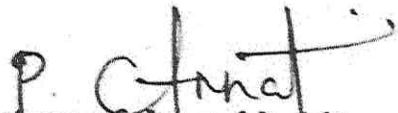
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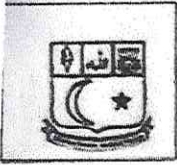
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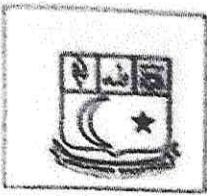
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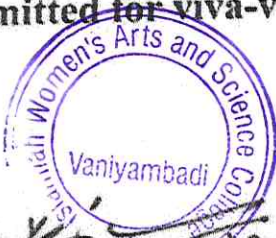
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