

Permanently Affiliated to Thiruvalluvar University
Recognized by UGC under sections 2(f) and 12(B) of the UGC Act 1956
Accredited with "B" Grade by NAAC

Approved by the Government of Tamil Nadu
Phone:04174-235266 Email: principaliwc@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	Indunring C	A Study On Cavalan	Islamiah Women's	1 2 2022 +-
'	Indupriya.S	A Study On Cauchy- Schwarz Inequality	Arts And Science	1.2.2023 to 5.5.02023
		Schwarz mequanty	College	3.3.02023
		ÿ.	Conege	One Semester
8	Jeevika.K	A Study On Fibonacci	Islamiah Women's	1.2.2023 to
		Sequence And Its	Arts And Science	5.5.02023
		Applications In Coding	College	One Semester
		Theory		One semester
				-
9	Jeevitha.G	Decision Theory And Its	Islamiah Women's	1.2.2023 to
		Application In Business	Arts And Science	5.5.02023
			College	One Semester
				=
10	Jothilakshmi.S	A Study On Green's	Islamiah Women's	1.2.2023 to
		Theorem In	Arts And Science	5.5.02023
		Electromagnetic Field	College	One Semester
		Theory		One Semester
11	Kalaiyarasi.A	A Study On Poisson	Islamiah Women's	1.2.2023 to
		Distribution And It's	Arts And Science	5.5.02023
		Application On Business	College	One Semester
		*		
12	Logeshwari.A	A Study On Application	Islamiah Women's	1.2.2023 to
-	A STATE OF THE STA	Of Differential Equation	Arts And Science	5.5.02023
		In Real Life	College	0 0
				One Semester
13	Madhumitha.S	A Project Management &	Islamiah Women's	1.2.2023 to
		Network Analysis In CPM	Arts And Science	5.5.02023
			College	One Semester
		'		
14	Mahalakshmi.R	A Role Of Statistics In	Islamiah Women's	1.2.2023 to
		Weather Forecasting	Arts And Science	5.5.02023
			College	
			8	One Semester
		7		
15	Malini.S	A Study On Nashi	Islamiah Women's	1.2.2023 to
		Equilibrium In Game	Arts And Science	5.5.02023
	,	Theory And Application	College	One Semester
		In Cricket	20 MA	/
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16	Mamtha.S	Matrix Representation Of	Islamiah Women's	1.2.2023 to
		Graph Theory With	Arts And Science	5.5.02023
		Different Operations	College	One Semester
		* ***		One semester
	Х			* "
17	Meenatchi.T	A Study On Importance	Islamiah Women's	1.2.2023 to
	92	Of Pythagoras Theorem In	Arts And Science	5.5.02023
		Real Life And Its	College	0 0
		Applications		One Semester
	W			
18	Oviya.S	Component Connectivity	Islamiah Women's	1.2.2023 to
	355	Of Generalized Petersen	Arts And Science	5.5.02023 - One
		Graphs	College	Semester
		,=		
19	Sangavi.R	A Study On Graph Theory	Islamiah Women's	1.2.2023 to
		Related To Energy Sector	Arts And Science	5.5.02023
		Training to Emorgy Scotor	College	
				One Semester
20	Shalini.V	A Study On Four Colour	Islamiah Women's	1.2.2023 to
	SW Holland Control Con	Theorem In Graph Theory	Arts And Science	5.5.02023
			College	The state of the s
			8	One Semester
21	Sharika Anjum.O	A Study On Solution Of a	Islamiah Women's	1.2.2023 to
	-	Job Sequencing And	Arts And Science	5.5.02023
		Assignment Problem	College	
	h .			One Semester
	=			
22	Sneha.M	A Study On Baye's	Islamiah Women's	1.2.2023 to
		Theorem And Its	Arts And Science	5.5.02023
	1	Applications	College	
23	Sowmiya.M	A Study On Analysis Of	Islamiah Women's	1.2.2023 to
		Variance And Comparison	Arts And Science	5.5.02023
		Of t-Test And Anova Test	College	0 0
		In One- Way And Two-	_	One Semester
		Way Anova		
24	Swetha.G	A Review On	Islamiah Women's	1.2.2023 to
	-	Transportation Model In	Arts And Science	5.5.02023 One
		Operation Research	College	Semester
	A CONTRACTOR AND	1		L/



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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

SI.	. Course Title hrs/ Credit week			Cnadia	Tide of the Person	Maximum Marks		
No.			Crean	Title of the Paper	CIA	Uni.	Total	
SEM	ESTER I					CIA	Exam	Total
1.		Paper -1	6	5	Algebra-I	25	75	100
2.	Core	Paper -2	6	5	Real Analysis –I	25	75	100
3.		Paper -3	6	4	Ordinary Differential Equations	25	75	100
		Int	ternal Electi	ve for sar	me 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 E	Elective for	other maj	or 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
								The same of the same of
	13.82		30	20		125	375	500
			30	20		125	375	500
SEM	ESTER II		30	20		125	Uni. Exam	500 Total
<b>SEM</b> 6.	1	Paper-4	6	5	Algebra-II		Uni.	
	ESTER II  Core	Paper-4 Paper-5			Algebra-II Real Analysis –II	CIA	Uni. Exam	Total
6.	1	1	6	5		CIA 25	Uni. Exam	Total
6. 7.	1	Paper-5 Paper-6	6 6	5 5 4	Real Analysis –II Partial Differential Equations	CIA 25 25	Uni. Exam 75	Total 100 100
6. 7.	1	Paper-5 Paper-6	6 6	5 5 4	Real Analysis –II	CIA 25 25	Uni. Exam 75	Total 100 100
6. 7. 8.	Core	Paper-5 Paper-6 Int Paper-2	6 6 6 ternal Electi	5 5 4 ve for sar	Real Analysis –II Partial Differential Equations me major students (Choose any one) (to choose one out of 3) A. Mathematical Statistics B. Fuzzy Set Theory	CIA 25 25 25 25 25	Uni. Exam 75 75 75	Total 100 100 100
6. 7. 8.	Core	Paper-5 Paper-6 Int Paper-2 External E Paper-2	6 6 6 ternal Electi	5 5 4 ve for sar	Real Analysis –II Partial Differential Equations me major students (Choose any one) (to choose one out of 3) A. Mathematical Statistics B. Fuzzy Set Theory C. Difference Equations	CIA 25 25 25 25 25	Uni. Exam 75 75 75	Total 100 100 100
6. 7. 8.	Core Elective Open Elective	Paper-5 Paper-6 Int Paper-2 External E Paper-2	6 6 6 ternal Election 5	5 5 4 ve for sar 3	Real Analysis –II Partial Differential Equations me major students (Choose any one) (to choose one out of 3) A. Mathematical Statistics B. Fuzzy Set Theory C. Difference Equations or students (Inter/multi disciplinary papers) (to choose one out of 3) A. Fundamentals of Insurance B. Numerical Methods	CIA 25 25 25 25 25	Uni. Exam 75 75 75 75	Total 100 100 100
6. 7. 8. 9.	Core Elective  Open Elective	Paper-5 Paper-6 Int Paper-2 External E Paper-2	6 6 6 ternal Electi 5 Elective for 5	5 5 4 ve for sar  3 other maj 3	Real Analysis –II Partial Differential Equations me major students (Choose any one) (to choose one out of 3) A. Mathematical Statistics B. Fuzzy Set Theory C. Difference Equations or students (Inter/multi disciplinary papers) (to choose one out of 3) A. Fundamentals of Insurance B. Numerical Methods	25 25 25 25 25	Uni. Exam 75 75 75 75	100 100 100 100

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SEM	ESTER III					CIA	Uni.	Total
	ESTERIII						Exam	
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
			Interr	nal Elect	ive 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
					jor 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
SEM	IESTER 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
THE REAL PROPERTY.				po mesas		10	00	
22.	Core	Project	5	5	Project with viva voce		roject viva)	100
			Interr	nal Elect	ive 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
	I	External Elec	tive for o	other ma	jor 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
orani i			30	24		125	375	600
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A Project of

DEPARTMENT OF MATHEMATICS

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

HEAD OF THE DEPARTMENT

AND SCIENCE COLLEGE

HEAD OF THE DEPARTMENT

OF MATHEMATICS

ISLAMIAH WOMEN'S ARTS

AND SCIENCE COLLEGE

Signature of the Principal

Vaniyambadi

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on 5/5/2022

External Examiner

External Examiner

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April-2023

#### **BONAFIDE CERTIFICATE**

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., B.Ed., Ph.d.,

Signature of the guide and supervisor

Signature of the Principal

Signature of the HOD
HEAD OF THE DEPARTMENT

**External Examiner** 

PG AND RESEARCH DEPT.
OF MATHEMATICS
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI.

Submitted for viva-voice examination held on ot

External Examiner

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April-2023

#### **BONAFIDE CERTIFICATE**

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.,

Signature of the guide /and supervisor

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT OF MATHEMATICS AMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI

Submitted for viva-voice examination held on

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Vaniyambadi

External Examiner

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#### **BONAFIDE CERTIFICATE**

This is certify that the project work titled "QUEUING 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.,

Signature of the guide and supervisor

Signature of the Principal

Vaniyambadi

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on

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External Examiner

External Examiner

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April-2023

#### **BONAFIDE CERTIFICATE**

This is certify that the project work titled "A STUDY ON STAR COLORING AND RAINBOW COLORING OF GRAPHS" is a bonafide record done by Ms. R. DIVYA (REGISTER NO: 31221P20005) 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

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on v5 of 202

External Examiner

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External Examiner

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April-2023

#### BONAFIDE CERTIFICATE

This is certify that the project work titled "A STUDY ON DIGITAL TOPOLOGY" is a bonafide record done by Ms. P. DURGAMANI (REGISTER NO: 31221P20006) 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.,

Signature of the guide and supervisor

Signature of the Principal

Signature

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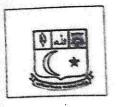
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**External Examiner** 

Submitted for yiva-voice examination held on\_

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April-2023

#### BONAFIDE CERTIFICATE

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.,

Signature of the guide /and supervisor

Signature of the Principal

Signature of the HOI

HEAD OF THE DEPARTMENT
PG AND RESEARCH DEPT.
OF MATHEMATICS
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AND SCIENCE COLLEGE
VANIYAMBADI.

Submitted for viva-voice examination held on\_

External Examiner

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**External Examiner** 

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#### DEPARTMENT OF MATHEMATICS

APRIL - 2023

#### BONAFIDE CERTIFICATE

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.,

Signature of the guide/supervisor

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT
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AND SCIENCE COLLEGE
VANIYAMBADI.

Submitted for viva-voice examination held on

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External Examiner



External Examiner

PRINCIPAL ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI



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April-2023

### **BONAFIDE CERTIFICATE**

This is certify that the project work titled "DECISION THEORY AND ITS APPLICATION IN BUSINESS" is a bonafide record done by Ms. G. JEEVITHA (REGISTER NO: 31221P20009) 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.

Signature of the guide and supervisor

Signature of the Principal

Signature the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on of of so

External Examiner

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April-2023

#### **BONAFIDE CERTIFICATE**

This is certify that the project work titled "A STUDY ON GREEN'S THEOREM IN ELECTROMAGNETIC FIELD THEORY" is a bonafide record done by Ms. S.JOTHILAKSHMI (REGISTER NO: 31221P20010) 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.

Signature of the guide and supervisor

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on 03

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**External Examiner** 

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April-2023

#### BONAFIDE CERTIFICATE

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.,

Signature of the guide and supervisor

Signature of the Principal

Signature of the HOD

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AND SCIENCE COLLEGE
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Submitted for viva-voice examination held on Defect

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#### **BONAFIDE CERTIFICATE**

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.,

Signature of the guide and supervisor

Signature of the Principal

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Vaniyambadi

Signature of the HOD

HEAD OF THE DEPARTMENT
PG AND RESEARCH DEPT.
OF MATHEMATICS
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI.

Submitted for viva-voice examination held on

05/05/2023

External Examiner

External Examiner

ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI



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DEPARTMENT OF MATHEMATICS

April-2023

#### BONAFIDE CERTIFICATE

This is certify that the project work titled "A PROJECT MANAGEMENT & NETWORK ANALYSIS IN CPM" bonafide record done by Ms.S.MADHUMITHA (REGISTER NO: 31221P20013) 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

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT
PG AND RESEARCH DEPT.
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AND SCIENCE COLLEGE
VANIYAMBADI.

Submitted for viva-voice examination held on\_

05 05 2023

External Examiner

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**External Examiner** 

PRINCIPAL ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

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April-2023

#### **BONAFIDE CERTIFICATE**

This is certifying that the project work titled "A ROLE OF STATISTICS IN WEATHER FORECASTING" is a bonafide record done by Ms. MAHALAKSHMI. R (REGISTER NO: 31221P20014) 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

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on\_

25 05 2023

**External Examiner** 

PRINCIPAL
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI

External Examiner



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A Project of DEPARTMENT OF MATHEMATICS

April-2023

#### BONAFIDE CERTIFICATE

This is certify that the project work titled "A STUDY ON NASH EQUILIBRIUM IN GAME THEORY AND APPLICATION IN CRICKET" is a Bonafide record done by Ms. S. MALINI (REGISTER NO: 31221P2015) 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

Signature of the Principal

Signature of the HOD

HEAD OF THE DEPARTMENT PG AND RESEARCH DEPT. OF MATHEMATICS ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Submitted for viva-voice examination held on 05 65 2023

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#### **BONAFIDE CERTIFICATE**

This is certify that the project work titled "Matrix Representation of Graph Theory With Different Operations" is a bonafide record done by Ms. S.MAMTHA. (REGISTER NO: 31221P20016) in partial fulfillment of the award of the degree of Master of Science in Mathematics under the guidanceand supervisor of Ms. P. ANNAPOORANI., M.SC., M.Phil., B.Ed.,

Signature of the Guide/ and Supervisor

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This is certify that the project work entitled "A STUDY ON IMPORTANCE OF PYTHAGORAS THEOREM IN REAL LIFE AND ITS APPLICATIONS" is a bonafide record done by T. MEENATCHI (REGISTER NO: 31221P20017) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Ms. P. ANNAPOORANI., M.Sc., M.Phil., B.Ed.,

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This is certify that the project work titled "COMPONENT CONNECTIVITY OF GENERALIZED PETERSEN GRAPHS" is a bonafide record done by Ms.S.OVIYA (REGISTER NO: 31221P20018) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Mrs. P.ANNAPOORANI M.Sc., M.Phil., B.Ed.

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#### **BONAFIDE CERTIFICATE**

This is certify that the project work titled "A STUDY ON GRAPH THEORY RELATED TO ENERGY SECTOR" is a Bonafide record done by Ms. SANGAVI (REGISTER NO: 31221P2020) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Ms. P. ANNAPOORANI, M.Sc., M.Phil., B.Ed.,

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This is certify that the project work titled "A STUDY ON FOUR COLOR THEOREM IN GRAPH THEORY" is a bonafide record done byMs. V.SHALINI (REGISTER NO: 31221P20021) in partial fulfillment of the award of the degree of Master of Science in Mathematics under the Ms.P.ANNAPOORANI, M.Sc. guidanceand supervisor of M.Phil.,B.Ed.,

f the Guide and Supervisor, Signature of

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This is certify that the project work titled "A STUDY ON SOLUTION OF A JOB SEQUENCING AND ASSIGNMENT PROBLEM" is a bonafide record done by Ms. O. SHARIKA ANJUM (REGISTER NO: 31221P20022) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and supervisor of Ms. N. SHAZIA SAQULAIN M.Sc., M.Phil.

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This is certify that the project work titled "A STUDY ON BAYES' THEOREM AND ITS APPLICATIONS" is a bonafide record done by Ms. M. SNEHA (REGISTER NO: 31221P20023) in partial fulfillment of the award of the degree of Master of Science in Mathematics under the guidanceand supervisor of Ms. N. SHAZIA SAQULAIN, M.Sc., M.Phil.,

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This is certify that the project work titled "A STUDY ON ANALYSIS OF VARIANCE AND COMPARISON OF t-TEST AND ANOVA-TEST IN ONE-WAY AND TWO-WAY ANOVA" is a bonafide record done by Ms. M. SOWMIYA (REGISTER NO: 31221P20026) in partial fulfillment of the award of the degree of Master of Science in Mathematics under the guidance and supervisor of Ms. N. SHAZIA SAQULAIN, M.Sc., M.Phil.

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This is certify that the project work titled "A REVIEW ON TRANSPORTATION PROBLEM IN OPERATION RESEARCH" is a bonafide record done by Ms. G. SWETHA (REGISTER NO: 31221P20027) in partial fulfillment of the award of the degree of Master of Science in Mathematics under the guidanceand supervisor of Ms. N. SHAZIA SAQULAIN, M.Sc., M.Phil.,

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