



## ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

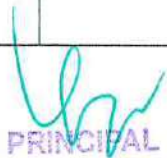
Permanently Affiliated to Thiruvalluvar University  
Recognized by UGC under sections 2(f) and 12(B) of the UGC Act 1956  
Accredited with "B" Grade by NAAC  
Approved by the Government of Tamil Nadu  
Phone:04174-235266 Email: principalwac@gmail.com  
www.islamiahwomensartsandsciencecollege.com

### Project Details 2022 - 2023

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

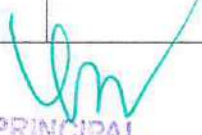
S.No	List Of Students	Project Title	Place Of Work	Duration
1	Anandhi.V	Application Of Graph Theory Concept For Traffic Light Control At Cross Road	Islamiah Women's Arts And Science College	1.2.2023 to 5.5.02023 One Semester
2	Anusuya.J	A Study On Hyperbolic Geometry And Its Applications	Islamiah Women's 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



  
PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI.


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



  
 PRINCIPAL  
 ISLAMIAH WOMEN'S ARTS  
 AND SCIENCE COLLEGE  
 VANIYAMBADI.

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



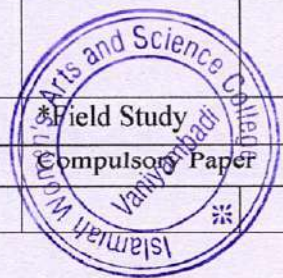
  
 PRINCIPAL  
 ISLAMIAH WOMEN'S ART  
 AND SCIENCE COLLEGE  
 VANİYAMBADI.

**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**

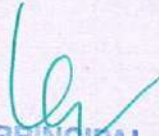
Sl. No.	Study Components		ins. hrs / week	Credit	Title of the Paper	Maximum Marks		
	Course Title					CIA	Uni. Exam	Total
<b>SEMESTER I</b>								
1.	Core	Paper -1	6	5	Algebra-I	25	75	100
2.		Paper -2	6	5	Real Analysis –I	25	75	100
3.		Paper -3	6	4	Ordinary Differential Equations	25	75	100
Internal 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
			<b>30</b>	<b>20</b>		<b>125</b>	<b>375</b>	<b>500</b>
<b>SEMESTER II</b>								
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
			<b>30</b>	<b>24</b>		<b>250</b>	<b>450</b>	<b>700</b>



*[Signature]*  
**PRINCIPAL**  
**ISLAMIYAH WOMEN'S ARTS**  
**AND SCIENCE COLLEGE**  
**VANIYAMBADI.**

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
			<b>30</b>	<b>22</b>		<b>125</b>	<b>375</b>	<b>600</b>
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
			<b>30</b>	<b>24</b>		<b>125</b>	<b>375</b>	<b>600</b>
			<b>120</b>	<b>90</b>				<b>2400</b>



  
 PRINCIPAL  
 ISLAMIYAH WOMEN'S ARTS  
 AND SCIENCE COLLEGE  
 VANIYAMBADI.



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of


DEPARTMENT OF MATHEMATICS

April-2023

## BONAFIDE CERTIFICATE

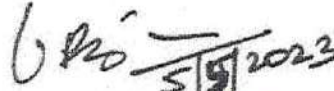
This is certify that the project work titled "APPLICATION OF GRAPH THEORY CONCEPT FOR TRAFFIC LIGHT CONTROL AT CROSSROAD" is a bonafide record done by Ms. ANANDHI.V (REGISTER NO: 31221P20001) in partial fulfillment of the award of the degree of Master of science in Mathematics under the guidance and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

Signature of the guide and supervisor  
  
HEAD OF THE DEPARTMENT  
PG AND RESEARCH DEPT.  
OF MATHEMATICS  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI.

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

Signature of the Principal

Submitted for viva-voice examination held on 5/5/2023

  
External Examiner

  
External Examiner 5/5/2023



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act

1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

Signature of the Principal

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 05/07/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

**DEPARTMENT OF MATHEMATICS**

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 HOD

Signature of the Principal

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 5/5/2023



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI





**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

April-2023

### 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 HOD

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

Signature of the Principal

Submitted for viva-voice examination held on

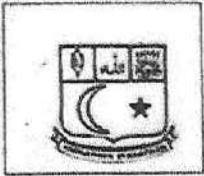
05/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI.



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

6/26/5/5/2023

External Examiner



External Examiner 5/5/20

PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

Signature of the Principal

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 5/5/2023

External Examiner 5/5/2023



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act 1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

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

Signature of the Principal

Submitted for viva-voice examination held on

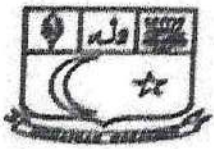
05/05/2023

External Examiner



External Examiner

PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMENS ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade

A Project of

**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 HOD

Signature of the Principal

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

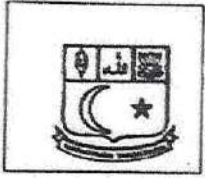
Submitted for viva-voice examination held on 05/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 01/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

Signature of the Principal

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

G. Prasad  
5/5/2023

External Examiner

5/5/2023

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act

1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

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 HOD

Signature of the Principal

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

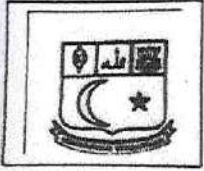
External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI.





**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act 1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

Accredited by NAAC with B grade.

DEPARTMENT OF MATHEMATICS

DEPARTMENT OF MATHEMATICS

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

External Examiner

External Examiner





**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act 1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

**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 HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act 1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.


A Project of


DEPARTMENT OF MATHEMATICS

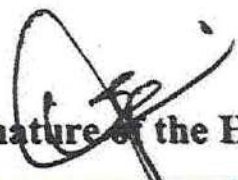
April-2023

**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 05/05/2023

External Examiner  5/5/2023

External Examiner  5/5/2023



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

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 HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023



External Examiner

External Examiner

PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

**DEPARTMENT OF MATHEMATICS**

April - 2023

**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 guidance and supervisor of Ms. P. ANNAPOORANI., M.SC., M.Phil., B.Ed.,

Signature of the Guide/ and Supervisor

Signature of the HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI.



# ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act 1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

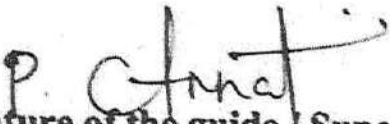
A Project of


DEPARTMENT OF MATHEMATICS


April-2023

## BONAFIDE CERTIFICATE

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.,

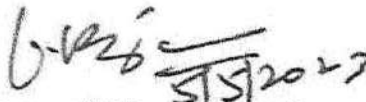
  
Signature of the guide / Supervisor

  
Signature of the HOD

  
Signature of the Principal

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

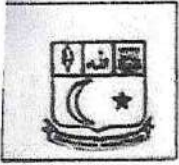
Submitted for viva-voice examination held on 05/05/2023

  
External Examiner 1

  
External Examiner 2 5/5/2023



  
PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI.



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**

(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

April-2023

**BONAFIDE CERTIFICATE**

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.

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 05/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

**DEPARTMENT OF MATHEMATICS**

April-2023

**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.,

Signature of the guide /and supervisor

Signature of the HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI

External Examiner





**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC  
Act 1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

April - 2023

**BONAFIDE CERTIFICATE**

This is certify that the project work titled "A STUDY ON FOUR  
COLOR THEOREM IN GRAPH THEORY" is a bonafide record done  
by Ms. V.SHALINI (REGISTER NO: 31221P20021) 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.,**

*P. Chitra*

Signature of the Guide/ and Supervisor, Signature of the HOD

*[Signature]*

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

*[Signature]*

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

*[Signature]* 5/5/2023

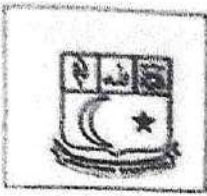
External Examiner External Examiner

*[Signature]* *[Signature]* 5/5/2023



*[Signature]*

PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

April-2023

**BONAFIDE CERTIFICATE**

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.

Signature of the guide /and supervisor

Signature of the HOD

Signature of the Principal

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

Submitted for viva-voice examination held on 05/05/2023

External Examiner

External Examiner

PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
V.A.N



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

DEPARTMENT OF MATHEMATICS

April - 2023

**BONAFIDE CERTIFICATE**

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 guidance and supervisor of Ms. N. SHAZIA SAQULAIN, M.Sc., M.Phil.,

Signature of the Guide and Supervisor

Signature of the HOD

Signature of the Principal

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

PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI

External Examiner





**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of  
**DEPARTMENT OF MATHEMATICS**

April - 2023

### BONAFIDE CERTIFICATE

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.

Signature of the Guide/ and Supervisor

Signature of the HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023



External Examiner

External Examiner

PRINCIPAL  
ISLAMIAH WOMEN'S ART.  
AND SCIENCE COLLEGE  
VANIYAMBADI



**ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE**  
(Recognized by UGC under section 2(f) & 12(b) of the UGC Act  
1956 & Permanent Affiliation with Thiruvalluvar University)

Accredited by NAAC with B grade.

A Project of

**DEPARTMENT OF MATHEMATICS**

April - 2023

**BONAFIDE CERTIFICATE**

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 guidance and supervisor of **Ms. N. SHAZIA  
SAQULAIN, M.Sc., M.Phil.,**

Signature of the Guide/ and Supervisor

Signature of the HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 05/05/2023

External Examiner

External Examiner



PRINCIPAL  
ISLAMIAH WOMEN'S ARTS  
AND SCIENCE COLLEGE  
VANIYAMBADI