



ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

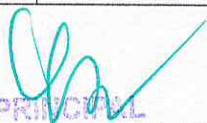
Permanently Affiliated to Thiruvalluvar University
Recognized by UGC under sections 2(f) and 12(B) of the UGC Act 1956
Accredited with "B" Grade by NAAC
Approved by the Government of Tamil Nadu
Phone: 04174-235266 Email: principalwac@gmail.com
www.islamiahwomensartsandsciencecollege.com

Project Details 2022 - 2023

Program Name: B.Sc Mathematics – Program Code : U25

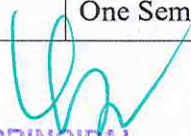
S.NO	NAME	PROJECT TOPIC	PLACE OF WORK	Duration
1	Muskan	Mathematical Models Of The Biometric System Of The Fingerprint Authentication For Modern Web Services	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
2	Aarthi .S	Applications Of Linear Programming In Profit Maximization	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
3	Aathika Fiza	Exploring The Facinating World Of Pi(π)	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
4	Dhana Lakshmi .U	The Mathematics Behind Barcodes	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
5	Gayathri . J	A Study On Game Theory And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
6	Gayathri .S	A Study On Rhotrix Theory	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
7	Jayanthi .R	Applications Of Cyclic Group In Everyday Life	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
8	Jayashree . A	Matrix And Its Applications In Various Field	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester




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9	Jayashree . T	A Study On Some Trends In Line Graphs	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
10	Kanimozhi . P	A Study Of Job Sequencing And Replacement Theory	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
11	Kanimozhi . P	Role Of Mathematics In Biology	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
12	Kiruthika .R	Quadratic Equation And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
13	Lakshmpriya .K	Leonard Euler's Contributions In Mathematics	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
14	Mabroora Taskeen .L .S	Terminology Used In Transportation Problems	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
15	Mageshwari .P	A Study Of Pythagorean Theorem And Its Applications	Islamiah Womens Arts And Science College	1.2.2023 to 9.5.2023 One Semester
16	Mayilvizhi .M	Bayes Theorem And Real Life Applications	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
17	Monika .V	A Study On Aryabhata And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
18	Monisha .R	Application Of Permutation And Combination In Telecommunication	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
19	Musfira Ayman .O	The Power Of Ramunajan's Number: A Comprehensive Analysis Of Its Importance In Daily Life	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
20	Mythili .P	A Study Of Magic Square	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester




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21	Nandhini .P	A Study On Mathematics Behind Google's Page Rank Algorithm	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
22	Narmadha . A	History Of Ramanujan	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
23	Pavai Tamil .S	Application Of Graph Theory In Human Life	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
24	Ranjani Bai .S	Design Of Smart Home Security System Using Fuzzy Logic Based Internet Of Things	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
25	Reshma . S	Application Of Graph Theory For Traffic Control At Crossroads	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
26	Sandhiya . V	A Study On Indian Mathematicians	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
27	Saranya .K	Application Of Fundamental Calculus And Its Differentiation	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
28	Seema Fareen . S	A Study On Pascal's Triangle And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
29	Shabiya . F	Distance Transitive And Distance Regular Graph In Graph Theory	Islamiah Womens Arts And Science College	1.2.2023 to 9.5.2023 One Semester
30	Snega.M	Mathematical Models For Covid-19 Pandemic: A Comparative Analysis	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
31	Sowmiya .S	A Study On Binomial Theorem	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
32	Sumaiya Tabassum . M	A Golden Ratio In Nature: A Tour Across Length Scales	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester



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33	Tabassum Sultana .S	A Study On Mathematical Model Of Various Statements Of C Language	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
34	Thamizhisai . P	A Study On Cauchy - Schwarz Inequality	Islamiah Womens Arts And Science College	1.2.2023 to 9.5.2023 One Semester
35	Thrisha .S	Applications Of Statistics In Business And Research	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
36	Umma Salma .K	Applications Of Trigonometry In Oceanography	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
37	Vaitheswari .M	A Study On Fibonacci Sequence And Its Applications	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
38	Yumna Rida . N	The Mathematics Of Artificial Inteligence.	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester
39	Zuha Tamkeen . N	Queuing Theory And Its Application In Health Care	Islamiah Women's Arts And Science College	1.2.2023 to 9.5.2023 One Semester



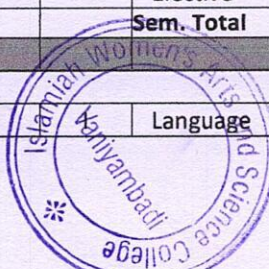
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THIRUVALLUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.Sc. MATHEMATICS DEGREE COURSE

(With effect from 2020 - 2021)

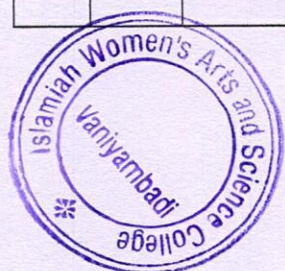
The Course of Study and the Scheme of Examinations

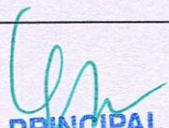
S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	Algebra	25	75	100
4.	III	Core Theory	Paper-2	5	3	Trigonometry	25	75	100
5.	III	Allied -1	Paper-1	4	3	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
	III	Allied- 1	Practical-1	2	0		0	0	0
6.	III	PE	Paper 1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	22		175	525	700
SEMESTER II									
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	6	4	Communicative English II	25	75	100
10.	III	Core Theory	Paper-3	4	3	Calculus	25	75	100
11.	III	Core Theory	Paper-4	4	3	Analytical Geometry of three dimensions	25	75	100
12.	III	Allied-1	Paper-2	4	3	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
13.	III	Allied Practical - 1	Practical-1	2	2	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
14.	III	PE	Paper 1	6	3	Professional English II	25	75	100
15.	IV	Value Education		2	2		25	75	100
16.	IV	Soft Skill		2	1		25	75	100
		Sem. Total		36	25		225	675	900
SEMESTER III									
17.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	6	5	Differential Equations	25	75	100
20.	III	Allied-2	Paper-3	4	3	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
	III	Allied Practical - 2	Practical-2	3	0		0	0	0
21.	IV	Skill Based Subject	Paper-1	3	2	Mathematics for competitive Examinations - I	25	75	100
22.	IV	Non-Major Elective	Paper-1	2	2	Basic Mathematics	25	75	100
		Sem. Total		30	20		150	450	600
23.		Language	Paper-4	6	4	Tamil/Other Languages	25	75	100



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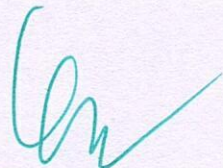
24.	II	English	Paper-4	4	4	English	25	75	100
25.	III	Core Theory	Paper-6	5	4	Vector Analysis and Fourier Series	25	75	100
26.	III	Core Theory	Paper-7	4	4	Mechanics	25	75	100
27.	III	Allied-2	Paper-4	4	3	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
28.	III	Allied Practical - 2	Practical-2	3	2		25	75	100
29.	IV	NMSDC : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-Major Elective	Paper-2	2	2	Foundation Mathematics for Competitive Examinations	25	75	100
		Sem. Total		30	25		200	600	800
SEMESTER V									
31.	III	Core Theory	Paper-8	6	4	Abstract Algebra	25	75	100
32.	III	Core Theory	Paper-9	6	4	Real Analysis - I	25	75	100
33.	III	Core Theory	Paper-10	6	4	Complex Analysis - I	25	75	100
34.	III	Core Theory	Paper-11	3	3	Programming in C Language	25	75	100
35.	III	Core Practical	Practical-1	3	2	C Language	25	75	100
36.	IV	Elective	Paper-1	3	3	(to choose any 1 out of 2) 1. Linear Programming 2. Special Functions	25	75	100
37.	IV	Skill Based Subject	Paper-3	3	2	Mathematics for Competitive Examinations - III	25	75	100
		Sem. Total		30	22		175	525	700
SEMESTER VI									
38.	III	Core Theory	Paper-12	6	4	Linear Algebra	25	75	100
39.	III	Core Theory	Paper-13	6	4	Real Analysis II	25	75	100
40.	III	Core Theory	Paper-14	5	4	Complex Analysis - II	25	75	100
41.	III	Compulsory Project	Paper-15	5	5	Group / Individual Project	25	75	100
42.	III	Elective	Paper-2	3	3	(to choose any 1 out of 2) 1. Graph Theory 2. Discrete Mathematics	25	75	100
43.	III	Elective	Paper-3/ Elective Practical-1	3	3	(to choose any 1 out of 2) 1. Fuzzy Mathematics.(Theory) 2. R Programming (Practical Only)	25	75	100
44.	III	Data Analytics with Advance Tools for Employability	Paper-4	2	2	Project Based Learning III	25	75	100
45.	V	Extension Activities		0	1		100	0	100
		Sem. Total		30	26		275	525	800
		Grand Total			140				4500




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Part	Subject	Papers	Credit	Total Credits	Marks	Total Marks
Part I	Languages	2	4	8	100	200
Part II	Communicative English & English	2	4	8	100	200
Part III	Allied (Odd Semester)	2	3	6	100	200
	Allied (Even Semester)	2	5		100	200
	Allied Practical	2	2	10	100	200
	Electives	3	3	9	100	300
	Core	14	(3-5)	52	100	1400
	Core practical	1	2	2	100	100
	Professional English	2	3	6	100	200
	Compulsory Project (Group/Individual Project)	1	5	5	100	100
Part IV	Environmental Science	1	2	2	100	100
	Soft skill	1	1	1	100	100
	Value Education	1	2	2	100	100
	Lang. & Others /NME	2	2	4	100	200
	Skill Based	4	2	8	100	400
Part V	Extension Activities	1	1	1	100	100
	Total	43		140		4500




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A Project of
DEPARTMENT OF MATHEMATICS

April-2023

BONAFIDE CERTIFICATE

This is certify that the project work titled "MATHEMATICAL MODEL OF THE BIOMETRIC SYSTEM OF FINGERPRINT AUTHENTICATION FOR MODERN WEB-SERVICES" is a bonafide record done by Ms. MUSKAN (REGISTER NO:31219U25063) in partial fulfillment of the award of the degree of Bachelor 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 9.05.2023



PRINCIPAL
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI.

External Examiner

Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCh.,
Assistant Professor,
Department of Mathematics,
Thiruvalluvar University,
Vellore - 632 106.



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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATION OF LINEAR PROGRAMMING IN PROFIT MAXIMIZATION" is a bonafide record done by S.AARTHI(REGISTER NO: 31220U25001) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision 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

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OF MATHEMATICS
ISLAMIYAH WOMEN'S ARTS
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Submitted for viva-voice examination held on 19.05.2023.

PRINCIPAL
ISLAMIYAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI.

External Examiner

External Examiner

Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCI,
Assistant Professor,
Department of Mathematics,
Thiruvalluvar University,
Vellore - 632 106.



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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "EXPLORING THE FASCINATING WORLD OF PI (II)" is a bonafide record done by AATHIKA FIZA (REGISTER NO: 31220U25002) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

Signature of the guide and supervisor

Signature of the HOD

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

Signature of the Principal

Submitted for viva-voice examination held on 9.05.2023

External Examiner

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External Examiner

Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASc.,
Assistant Professor,
Department of Mathematics,
Thiruvalluvar University,
Vellore - 632 106



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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "THE MATHEMATICS BEHIND BARCODES" is a bonafide record done by U.DHANA LAKSHMI (REGISTER NO: 31220U25003) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision 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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Submitted for viva-voice examination held on 9.05.2023...

Internal Examiner

External Examiner

Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FISO,
Assistant Professor,
Department of Mathematics,
Thiruvalluvar University,
Vellore - 605 006.



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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON GAME THEORY AND ITS APPLICATIONS" is a bonafide record done by J.GAYATHRI (REGISTER NO: 31220U25004) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

Signature of the guide and supervisor

Signature of the Principal

Submitted for viva-voice examination held on 9.05.2023

Signature of the HOD

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External Examiner



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Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCI.,
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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON RHOTRIX THEORY" is a bonafide record done by **GAYATHRI .S (REGISTER NO: 31220U25005)** in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **Dr. L . JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,**

Signature of the guide and supervisor

Signature of the HOD

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External Examiner

External Examiner

Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCh.,
Assistant Professor,
Department of Mathematics,
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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATIONS OF CYCLIC GROUPS IN EVERYDAY LIFE" is a bonafide record done by JAYANTHI.R(REGISTER NO: 31220U25006) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

Signature of the guide and supervisor

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A Project of DEPARTMENT OF
MATHEMATICS April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON SOME TRENDS IN LINE GRAPHS" is a bonafide record done by T. JAYASHREE(REGISTER NO: 31220U25008) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

Signature of the guide and supervisor

Signature of the HOD

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Assistant Professor,
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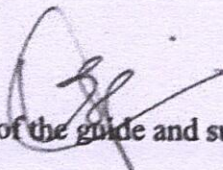
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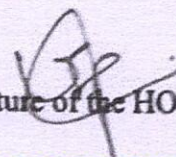
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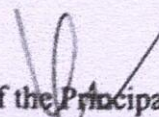
BONAFIDE CERTIFICATION

This is to certify that the project work titled "MATRIX AND ITS APPLICATIONS IN VARIOUS FIELD" is a bonafide record done by **JAYASHREE A** (REGISTER NO: 31220U25007) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **Dr. L. JAGADEESWARI** M.Sc., M.Phil., B.Ed., Ph.D.,

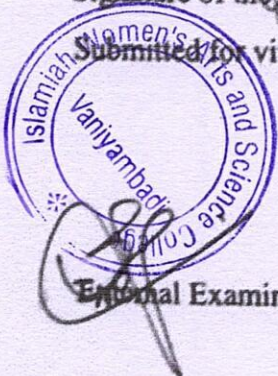

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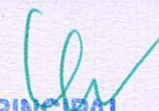
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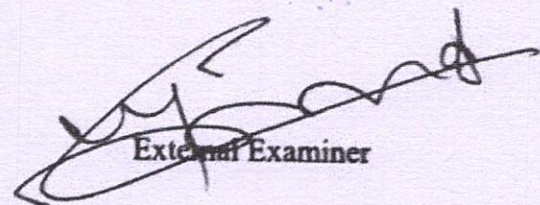

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Submitted for viva-voice examination held on **9.05.2023**



External Examiner


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BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON JOB SEQUENCING AND REPLACEMENT THEORY" is a bonafide record done by P.KANIMOZHI (REGISTER NO: 31220U25009) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision 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

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MATHEMATICS
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Submitted for viva-voce examination held on 9.05.2023.

Signature of the
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BONA FIDE CERTIFICATION

This is to certify that the project work titled "ROLE OF MATHEMATICS IN BIOLOGY" is a bonafide record done by KANIMOZHILP (REGISTER NO: 31220U25010) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision 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

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Submitted for viva-voce examination held on 19.05.2023

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "QUADRATIC EQUATION AND ITS APPLICATIONS" is a bonafide record done by **KIRUTHIKA.R(REGISTER NO: 31220U25011)** in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision 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

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ISLAMIAH WOMEN'S ARTS
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Submitted for viva-voice examination held on **9.05.2023**

External Examiner

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "LEONHARD EULER'S CONTRIBUTIONS IN MATHEMATICS" is a bonafide record done by LAKSHMIPRIYA.K (REGISTER NO: 31220U25012) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

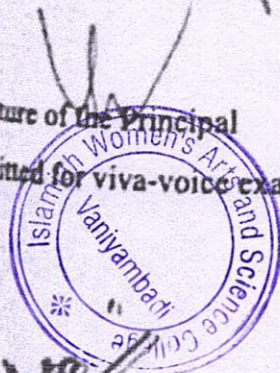
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BONAFIDE CERTIFICATION

This is to certify that the project work titled "TERMINOLOGY USED IN TRANSPORTATION PROBLEM " is a bonafide record done by MABROORA TASKEEN L.S. (REGISTER NO: 31220U25013) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L . JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

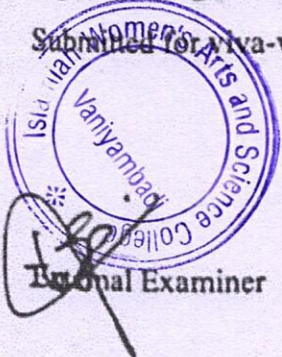
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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY OF PYTHAGOREAN THEOREM AND ITS APPLICATIONS" is a bonafide record done by **MAGESHWARLP** (REGISTER NO: 31220U25014) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision 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

Submitted for viva-voice examination held on **9.05.2023**

Signature of the External Examiner

Signature of the External Examiner



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Dr. M. SYED ALI, M.Sc, M.Phil, Ph.D, JASCh,
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BONAFIDE CERTIFICATION

This is to certify that the project work titled "**BAYES THEOREM AND REAL-LIFE APPLICATIONS**" is a bonafide record done by **MAYILVIZHLM (REGISTER NO: 31220U25016)** in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,**

Signature of the guide and supervisor

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON ARYABHATTA AND ITS APPLICATIONS" is a bonafide record done by V.MONIKA (REGISTER NO: 31220U25017) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil, B.Ed., Ph.D.,

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATION OF PERMUTATION & COMBINATION IN TELECOMMUNICATION" is a bonafide record done by R.MONISHA (REGISTER NO: 31220U25018) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of
Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

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Signature of the HOD

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Internal Examiner

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "THE POWER OF RAMANUJAN'S NUMBER : A COMPREHENSIVE ANALYSIS OF ITS IMPORTANCE IN DAILY LIFE" is a bonafide record done by MUSFIRA AYMAN.O (REGISTER NO: 31220U25019) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of Dr. L. JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,

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External Examiner

External Examiner

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "THE STUDY OF MAGIC SQUARE" is a bonafide record done by **MYTHILI .P (REGISTER NO: 31220U25020)** in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **Dr. L . JAGADEESWARI M.Sc., M.Phil., B.Ed., Ph.D.,**

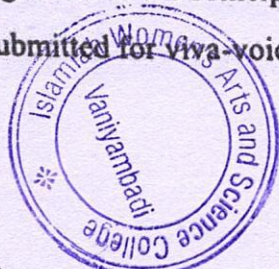
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VANIYAMBADI.**

External Examiner

**Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCh.,
Assistant Professor,
Department of Mathematics,
Thiruvalluvar University,
Vellore - 632 106.**



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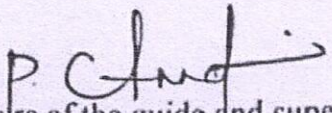
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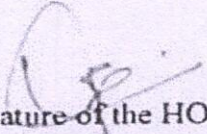
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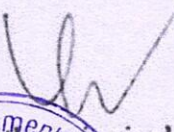
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This is to certify that the project work titled "A STUDY ON MATHEMATICS BEHIND GOOGLE'S PAGE RANK ALGORITHM" is a bonafide record done by P.NANDHINI (REGISTER NO: 31220U25021) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

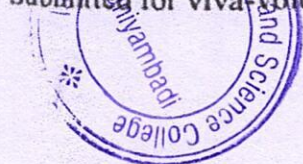

Signature of the guide and supervisor

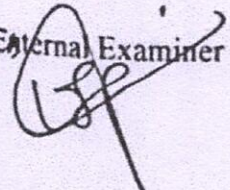

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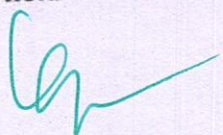

Signature of the principal

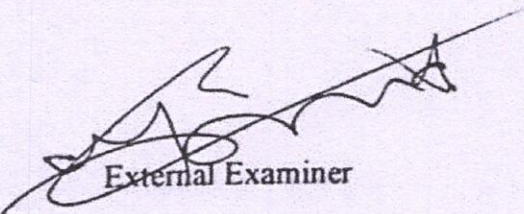
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ISLAMIAH WOMEN'S ARTS
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VANIYAMBADI.

Submitted for viva-voce examination held on 9.05.2023.




External Examiner


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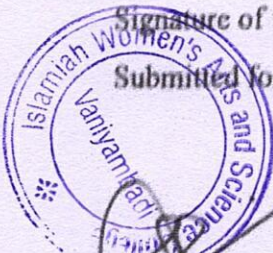
BONAFIDE CERTIFICATION

This is to certify that the project work titled "HISTORY OF RAMANUJAN" is a bonafide record done by NARMADHA.A (REGISTER NO: 31220U25022) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

Signature of the guide and supervisor

Signature of the principal

Submitted for viva-voice examination held on 9.05.2023



External Examiner

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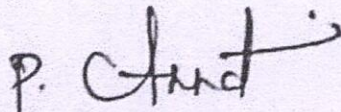


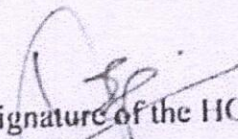
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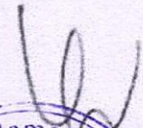
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BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATION OF GRAPH THEORY IN HUMAN LIFE" is a bonafide record done by S.PAVAI TAMIL (REGISTER NO: 31220U25023) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

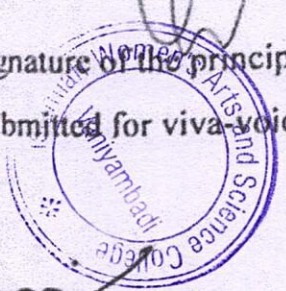

Signature of the guide and supervisor

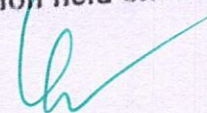

Signature of the HOD



Signature of the principal

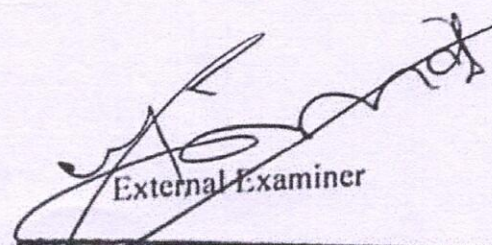
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DEPARTMENT OF MATHEMATICS

April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "DESIGN OF SMART HOME SECURITY SYSTEM USING FUZZY LOGIC BASED INTERNET OF THINGS" is a bonafide record done by S.RANJANIBAI (REGISTER NO: 31220U25024) in partial fulfilment of the award of the degree of Bachelor of

Science in Mathematics under the guidance and supervision 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-voce examination held on 9.05.2023

Internal Examiner

PRINCIPAL
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI.

External Examiner

Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCh.,
Assistant Professor,
Department of Mathematics,
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Vellore - 632 106



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DEPARTMENT OF MATHEMATICS
April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATION OF GRAPH THEORY FOR TRAFFIC LIGHT CONTROL AT CROSSROADS" is a bonafide record done by **S.RESHMA (REGISTER NO: 31220U25025)** in partial fulfilment of the ward of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,**

Signature of the guide and supervisor

Signature of the HOD

Signature of the principal

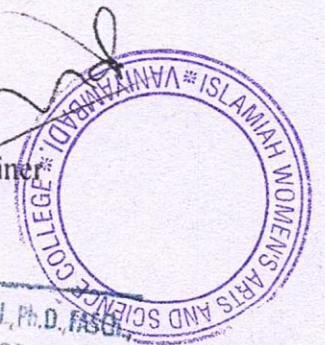
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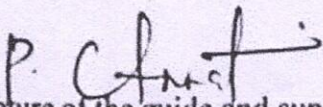
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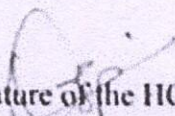
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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON INDIAN MATHEMATICIANS" is a bonafide record done by V.SANDHIYA (REGISTER NO: 31220U25027) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

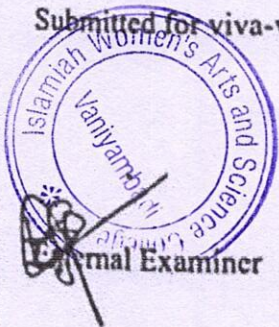

Signature of the guide and supervisor



Signature of the HOD

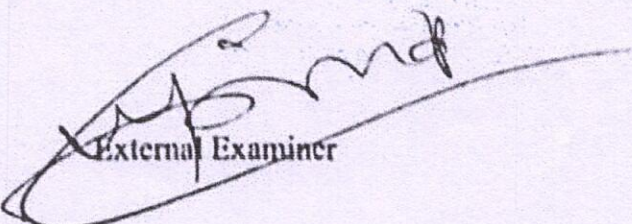
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BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATION OF FUNDAMENTAL CALCULUS AND ITS DIFFERENTIATION" is a bonafide record done by K.SARANYA (REGISTER NO: 31220U25028) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

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Signature of the principal

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Internal Examiner

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BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON PASCAL'S TRIANGLE AND ITS APPLICATIONS" is a bonafide record done by **S.SEEMA FAREEN (REGISTER NO: 31220U25029)** in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,**

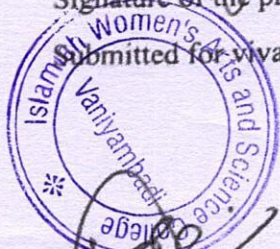
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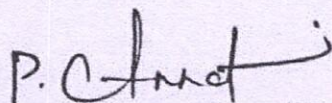
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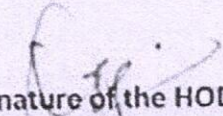
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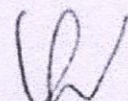
BONAFIDE CERTIFICATION

This is to certify that the project work "Distance TRANSITIVE AND DISTANCE REGULAR GRAPH IN GRAPH THEORY" is a bonafide record done by F. SHABIYA (REGISTER NO: 31220U25030) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

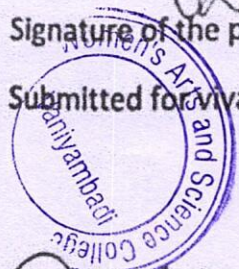

Signature of the guide and supervisor

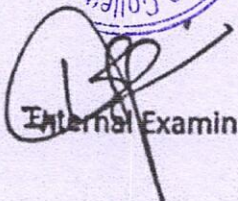

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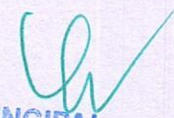
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VANIYAMBADI

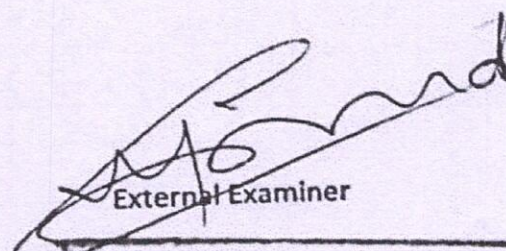

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April-2023

BONAFIDE CERTIFICATE

This is certify that the project work titled "MATHEMATICAL MODEL FOR COVID-19 PANDEMIC : A COMPARATIVE ANALYSIS" is a bonafide record done by Ms. M.SNEGA (REGISTER NO:31220U25031) in partial fulfillment of the award of the degree of Bachelor of science in Mathematics under the guidance and supervisor of MS.P.ANNAPOORANI M.Sc., M.Phil., B.Ed.,

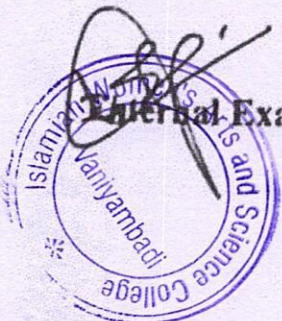
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Signature of the HOD

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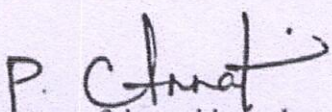


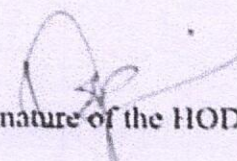
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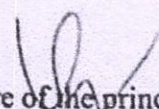
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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON BINOMIAL THEOREM" is a bonafide record done by S. SOWMIYA (REGISTER NO: 31220U25032) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,


Signature of the guide and supervisor

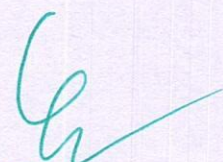

Signature of the HOD

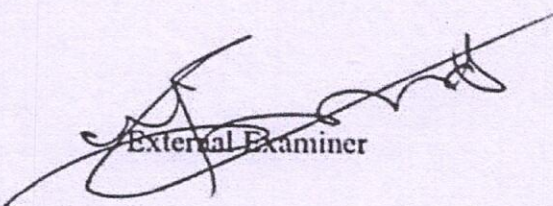

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Dr. M. SYED ALI, M.Sc., M.Phil., Ph.D., FASCh.,
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APRIL-2023

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April-2023

BONAFIDE CERTIFICATION

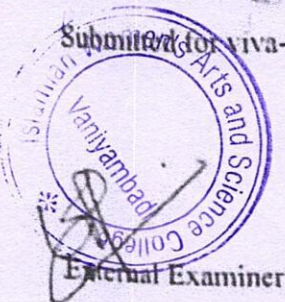
This is to certify that the project work titled "THE GOLDEN RATIO IN NATURE:A TOUR ACROSS LENGTH SCALES" is a bonafide record done by SUMAIYA TABASSUM.M (REGISTER NO: 31220U25033) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

Signature of the guide and supervisor

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ISLAMIAH WOMEN'S ARTS
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VANIYAMBADI

Signature of the principal

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VANIYAMBADI

External Examiner

Dr. M. SYED ALI M.Sc. M.Phil. Ph.D. FASCH
Assistant Professor
Department of Mathematics
Thiruvalluvar University
Vellore - 622 013



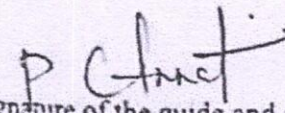
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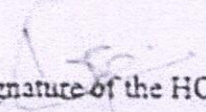
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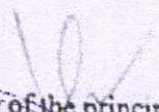
BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON MATHEMATICAL MODEL OF VARIOUS STATEMENTS OF C-LANGUAGE" is a bonafide record done by S. TABASSUM SULTANA (REGISTER NO: 31220U25034) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

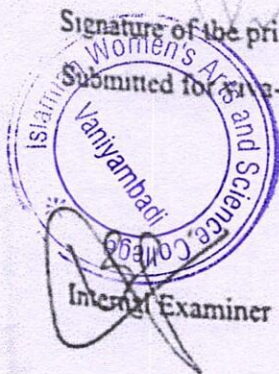

Signature of the guide and supervisor

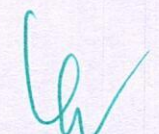

Signature of the HOD

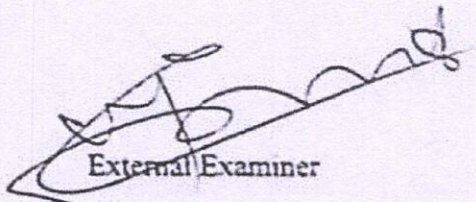
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External Examiner

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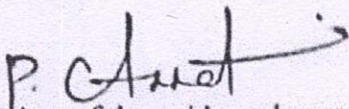


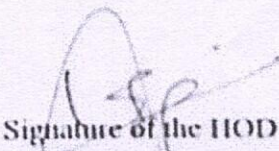
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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "A STUDY ON CAUCHY-SCHWARZ INEQUALITY" is a bonafide record done by P. THAMIZHISAI (REGISTER NO: 31220U25035) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,


Signature of the guide and supervisor

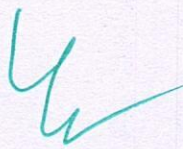

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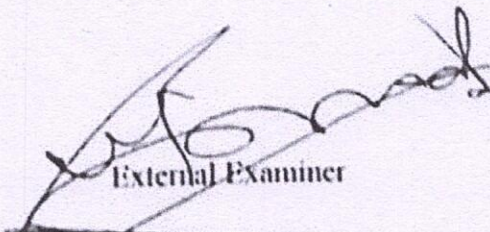

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APRIL-2023

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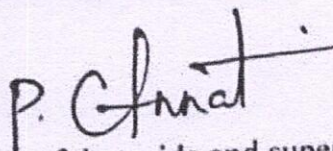
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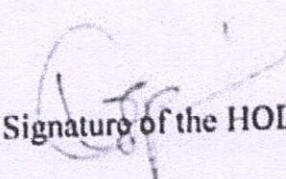


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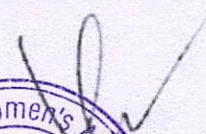
BONAFIDE CERTIFICATION

This is to certify that the project work titled "APPLICATION OF STATISTICS IN BUSINESS AND RESEARCH" is a bonafide record done by S.THRISHA (REGISTER NO: 31220U25036) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

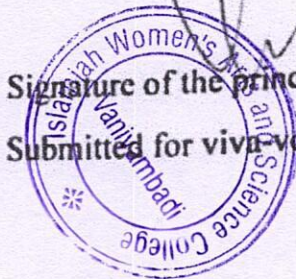

Signature of the guide and supervisor

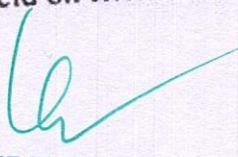

Signature of the HOD

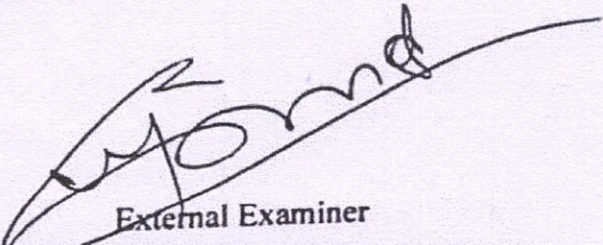
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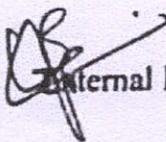
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External Examiner



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April-2023

BONAFIDE CERTIFICATION

This is to certify that the project work titled "**APPLICATION OF TRIGONOMETRY IN OCEANOGRAPHY**" is a bonafide record done by **K.UMMA SALMA (REGISTER NO: 31220U25037)** in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of **MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,**

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 **9.05.2023**



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This is to certify that the project work titled "A STUDY ON FIBONACCI NUMBERS AND ITS APPLICATIONS" is a bonafide record done by M.VAITHESWARI (REGISTER NO: 31220U25038) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

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Signature of the HOD

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This is to certify that the project work titled "THE MATHEMATICS OF ARTIFICIAL INTELLIGENCE" is a bonafide record done by YUMNA RIDA.N (REGISTER NO: 31220U25039) in partial fulfilment of the award of the degree of Bachelor of Science in Mathematics under the guidance and supervision of MS. P. ANNAPOORANI M.Sc., M.Phil., B.Ed.,

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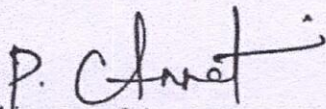


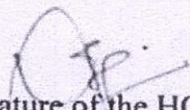
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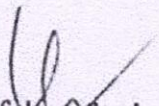
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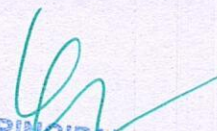

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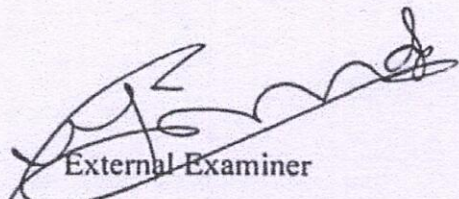
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