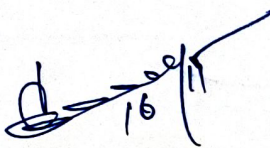
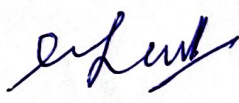
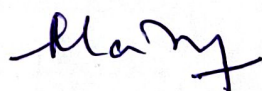


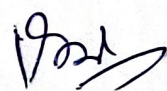

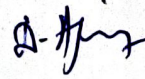
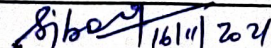


SACRED HEART COLLEGE (AUTONOMOUS) TIRUPATTUR

II M.Sc. MATHEMATICS 2021- 22 Project Guides

S.No	Staff	Reg.No	Candidate	Sign
1	AGM	AP200203	GABRIEL THOMAS W	
2		AP200214	SHEELA JENIFER M	
3		AP200230	MARIAMMAL C G	
4		AP200235	INDHUMATHI P	
5	RM	AP200206	PETCY METILDA A	R. Murali 16/11/2021
6		AP200215	JANCY MARY K	
7		AP200227	GAYATHRI V	
8		AP200229	RENUGA A	
9	GB	AP200212	PRABHAVATHY M	
10		AP200213	KARTHIKEYAN A	
11		AP200223	MOHANAVARSHINI A	
12		AP200238	ABIRAMI V	
13	SJ	AP200205	SHYLLA S	
14		AP200219	PETRICIA KEMILA A	
15		AP200226	SHALINI M	
16		AP200228	ABISHEK A	
17	PM	AP200209	YAMUNA D	
18		AP200211	PAVITHRA D	
19		AP200224	KOSALAI M	
20		AP200231	SARANYA N	
21	SK	AP200216	CHANDHURU K	
22		AP200218	MAHENDRAN V	
23		AP200236	DOLPHIN LYDIA JOEVITA I	
24		AP200233	DEEPIKA A	
25	MA	AP200207	JENCY NIPPANIYA I	
26		AP200220	GLEMMING BEBETO I C	
27		AP200239	ALEX STEPHEN RAJ I	
28	VB	AP200225	POOVIZHI S	
29		AP200232	PAVUL HENSMAN B	
30		AP200237	VIGNESH M	
31	AA	AP200208	NANCY NAVOTANA A	
32		AP200234	SUNDAR R	
33		AP200240	JOTHILAKSHMI P	
34	DA	AP200202	RUBINI A	
35		AP200221	AASHIKA G	
36		AP200222	LEEMA MARY J	
37	JB	AP200201	MANIVANNAN S	 16/11/2021


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SACRED HEART COLLEGE (Autonomous), Tirupattur

PG Project II MSc Mathematics (Shift - I)

S.NO	REGNO	NAME	Staff	Sign
1	AP200201	MANIVANNAN S	JB	<i>[Signature]</i>
2	AP200202	RUBINI A	DA	<i>A. Rubini</i>
3	AP200203	GABRIEL THOMAS W	AGM	<i>W. Gabriel Thomas</i>
4	AP200204	SURJITH V		Nil
5	AP200205	SHYLLA S	SJ	<i>S. Shylla</i>
6	AP200206	PETCY METILDA A	RM	<i>Petcy Metilda A.</i>
7	AP200207	JENCY NIPPANIYA I	MA	<i>I. Jency Nippaniya</i>
8	AP200208	NANCY NAVOTANA A	AA	<i>A. Nancy Navotana</i>
9	AP200209	YAMUNA D	PM	<i>D. Yamuna</i>
10	AP200211	PAVITHRA D	PM	<i>D. Pavithra</i>
11	AP200212	PRABHAVATHY M	GB	<i>M. Prabhavathy</i>
12	AP200213	KARTHIKEYAN A	GB	<i>A. Karthikeyan</i>
13	AP200214	SHEELA JENIFER M	AGM	<i>Sheela Jifer M</i>
14	AP200215	JANCY MARY K	RM	<i>Jancy mary. k.</i>
15	AP200216	CHANDHURU K	SK	<i>K. Chandhuru</i>
16	AP200218	MAHENDRAN V	SK	<i>V. Mahendran</i>
17	AP200219	PETRICIA KEMILA A	SJ	<i>A. Patricia Kemila</i>
18	AP200220	GLEMMING BEBETO I C	MA	<i>I. C. Glemming Beбето</i>
19	AP200221	AASHIKA G	DA	<i>G. Aashika</i>
20	AP200222	LEEMA MARY J	DA	<i>J. Leema Mary</i>
21	AP200223	MOHANAVARSHINI A	GB	<i>A. Mohanavarsini</i>
22	AP200224	KOSALAI M	PM	<i>M. Kosalai</i>
23	AP200225	POOVIZHI S	VB	<i>S. Poovizhi</i>
24	AP200226	SHALINI M	SJ	<i>M. Shalini</i>
25	AP200227	GAYATHRI V	RM	<i>V. Gayathri</i>

[Signature]
16/4/2021

Dr. A. George Maria Selvam
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26	AP200228	ABISHEK A	SJ	A. Abhishek
27	AP200229	RENUGA A	RM	A. Renuga
28	AP200230	MARIAMMAL C G	AGM	Mariammal. C.G
29	AP200231	SARANYA N	PM	N. Saranya
30	AP200232	PAVUL HENSMAN B	VB	B. Paul Hensman
31	AP200233	DEEPIKA A	SK	A. Deepika
32	AP200234	SUNDAR R	AA	R. Sundar
33	AP200235	INDHUMATHI P	AGM	P. Indhumathi
34	AP200236	DOLPHIN LYDIA JOEVITA D	SK	D. Dolphin Lydia Jovita
35	AP200237	VIGNESH M	VB	M. Vignesh
36	AP200238	ABIRAMI V	GB	V. Abirami
37	AP200239	ALEX STEPHEN RAJ I	MA	I. Alex Stephen Raj
38	AP200240	JOTHILAKSHMI P	AA	P. Jothilakshmi


 Head, Department of Mathematics

SACRED HEART COLLEGE (Autonomous), Tirupattur
PG Project II MSc Mathematics (Shift - I)

S.NO	REGNO	NAME	Staff
1	AP200201	MANIVANNAN S	JB
2	AP200202	RUBINI A	DA
3	AP200203	GABRIEL THOMAS W	AGM
4	AP200204	SURJITH V	Nil
5	AP200205	SHYLLA S	SJ
6	AP200206	PETCY METILDA A	RM
7	AP200207	JENCY NIPPANIYA I	MA
8	AP200208	NANCY NAVOTANA A	AA
9	AP200209	YAMUNA D	PM
10	AP200211	PAVITHRA D	PM
11	AP200212	PRABHAVATHY M	GB
12	AP200213	KARTHIKEYAN A	GB
13	AP200214	SHEELA JENIFER M	AGM
14	AP200215	JANCY MARY K	RM
15	AP200216	CHANDHURU K	SK
16	AP200218	MAHENDRAN V	SK
17	AP200219	PETRICIA KEMILA A	SJ
18	AP200220	GLEMMING BEBETO I C	MA
19	AP200221	AASHIKA G	DA
20	AP200222	LEEMA MARY J	DA
21	AP200223	MOHANAVARSHINI A	GB
22	AP200224	KOSALAI M	PM
23	AP200225	POOVIZHI S	VB
24	AP200226	SHALINI M	SJ
25	AP200227	GAYATHRI V	RM
26	AP200228	ABISHEK A	SJ
27	AP200229	RENUGA A	RM
28	AP200230	MARIAMMAL C G	AGM
29	AP200231	SARANYA N	PM
30	AP200232	PAVUL HENSMAN B	VB
31	AP200233	DEEPIKA A	SK
32	AP200234	SUNDAR R	AA
33	AP200235	INDHUMATHI P	AGM
34	AP200236	DOLPHIN LYDIA JOEVITA D	SK
35	AP200237	VIGNESH M	VB
36	AP200238	ABIRAMI V	GB
37	AP200239	ALEX STEPHEN RAJ I	MA
38	AP200240	JOTHILAKSHMI P	AA


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SACRED HEART COLLEGE (AUTONOMOUS) TIRUPATTUR

II M.Sc. MATHEMATICS - Project Guides (2021- 22)

S.No	Staff	Reg.No	Candidate
1	Dr.A.George Maria Selvam	AP200203	GABRIEL THOMAS W
2		AP200214	SHEELA JENIFER M
3		AP200230	MARIAMMAL C G
4		AP200235	INDHUMATHI P
5	Dr.R.Murali	AP200206	PETCY METILDA A
6		AP200215	JANCY MARY K
7		AP200227	GAYATHRI V <i>not submitted</i>
8		AP200229	RENUGA A
9	Dr.G.Britto Antony Xavier	AP200212	PRABHAVATHY M
10		AP200213	KARTHIKEYAN A
11		AP200223	MOHANAVARSHINI A
12		AP200238	ABIRAMI V
13	Prof.S.Josepg	AP200205	SHYLLA S
14		AP200219	PETRICIA KEMILA A
15		AP200226	SHALINI M
16		AP200228	ABISHEK A
17	Dr.P.Manoharan	AP200209	YAMUNA D
18		AP200211	PAVITHRA D
19		AP200224	KOSALAI M
20		AP200231	SARANYA N
21	Dr.S.Kalaiarasi	AP200216	CHANDHURU K
22		AP200218	MAHENDRAN V
23		AP200236	DOLPHIN LYDIA JOEVITA D
24		AP200233	DEEPIKA A
25	Dr.Merceline Anita	AP200207	JENCY NIPPANIYA I
26		AP200220	GLEMMING BEBETO I C
27		AP200239	ALEX STEPHEN RAJ I
28	Dr.V.Balaji	AP200225	POOVIZHI S
29		AP200232	PAVUL HENSMAN B
30		AP200237	VIGNESH M
31	Dr.M.Antony Arockiasamy	AP200208	NANCY NAVOTANA A
32		AP200234	SUNDAR R
33		AP200240	JOTHILAKSHMI P
34	Dr.D.Ajay	AP200202	RUBINI A
35		AP200221	AASHIKA G
36		AP200222	LEEMA MARY J
37	Rev.Dr.John Borg	AP200201	MANIVANNAN S

To

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*Received
8/6/22*


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SACRED HEART COLLEGE (Autonomous) - TIRUPATTUR**DEPARTMENT OF MATHEMATICS - SHIFT II****II M.Sc Mathematics - Project Details 2021-22****List of Internal Examiners**


S.No	Guide Name	Reg.No	Name	No. of Students
1	Rev. Dr. S. John Borg	BP200209	THARANI T	2
		BP200220	SINDHU C	
2	Dr. S.U. Vasanthakumar	BP200226	KANISHKUMAR V	4
		BP200228	ABINAYA M	
		BP200231	DIVYA BHARATHI G	
		BP200234	SRI ANISH E	
3	Mrs. S. Savitha	BP200206	KAVIPRIYA E	4
		BP200211	KAVYA D	
		BP200229	KEERTHANA V	
		BP200235	ARUNKUMAR M	
4	Dr. B. Govindan	BP200201	LALITHA T	4
		BP200202	SARANYA K	
		BP200215	PRIYANGA A	
		BP200216	MALAVIKA L	
5	Dr. B. Chandrasekar	BP200207	MOHANA PRIYA P	4
		BP200212	NIRANJANI P	
		BP200214	SUGANTHI A	
		BP200232	SANTHOSHKUMAR D	
6	Dr. T.G. Gerly	BP200203	NATHIYA S	4
		BP200204	SHANTHI S	
		BP200208	SARATH K	
		BP200221	SARANYA N	
7	Mr.M.Thanigajalam	BP200217	SANGAVI V	4
		BP200224	PRADEEP KUMAR R	
		BP200233	SIVASAKTHI S	
		BP200236	KALAIYARASI K	
8	Ms.D. Saraswathi	BP200205	SUSHMITHA S	4
		BP200219	ABINAYA S	
		BP200222	ARCHANA M	
		BP200237	RAYMOND A	
9	Mr.M.Thanigajalam	BP200213	ARUN N	4
		BP200218	TAMILELAKKIYA P	
		BP200223	SENTHILKUMAR K	
		BP200225	DHINESH R	

SANGAVI V (BP200217) has not submitted the project

HoD

Sacred Heart College (Autonomous), Tirupattur -635601
 PG and Research Department of Mathematics
 PG Project Titles (2021-22)

Register No.	Name	Project title
AP200201	MANIVANNAN S	EXTORIAL TRANSFORMS
AP200202	RUBINI A	RANKING OF TEACHING PROFESSIONALS USING FUZZY ELECTRE METHOD
AP200203	GABRIEL THOMAS W	FRACTIONAL DERIVATIVE OF SOME ELEMENTARY FUNCTIONS
AP200204	SURJITH V	
AP200205	SHYLLA S	PROCESS OF NUMERICAL COMPUTING
AP200206	PETCY METILDA A	THE MOHAND TRANSFORMS
AP200207	JENCY NIPPANIYA I	A STUDY ON TRANSSHIPMENT PROBLEM (using) ZERO POINT METHOD
AP200208	NANCY NAVOTANA A	UPPER BOUNDS OF TOPOLOGICAL INDICES OF Q-CHAIN STAIRCASE GRAPHS
AP200209	YAMUNA D	DEGREE AND DISTANCE BASED TOPOLOGICAL INDICES OF UNDECANE ISOMERS
AP200211	PAVITHRA D	FOURIER SERIES AND ITS APPLICATIONS
AP200212	PRABHAVATHY M	MODEL
AP200213	KARTHIKEYAN A	SEVERAL KINDS OF STIRLING NUMBERS WITH APPLICATION
AP200214	SHEELA JENIFFER M	TIME TABLE SCHEDULING USING ASSIGNMENT ALGORITHM
AP200215	JANCY MARY K	TECHNIQUES OF THE NATURAL TRANSFORMS
AP200216	CHANDHURU K	GENERAL STRUCTURE OF LINEAR TRANSFORMATIONS
AP200218	MAHENDRAN V	APPLICATIONS OF CRYPTOGRAPHY IN CHESS
AP200219	PETRICIA KEMILA A	CAYLEY FORMULA AND EULERIAN GRAPHS
AP200220	GLEMING BEBETO I C	MATHEMATICAL MODELLING
AP200221	AASHIKA G	A FUZZY MCDM APPROACH TO THE RANKING OF ONLINE TEACHING AND LEARNING TOOLS
AP200222	LEEMA MARY J	AN COMPARITIVE STUDY ON THE APPLICATION OF FUZZY EDAS, ELECTRE AND TOPSIS METHODS


Dr. A. George Maria Selvam
 Head, Dept. of Mathematics
 Sacred Heart College
 Tirupattur, T.P.T. Dt. 635 601.

AP200223	MOHANAVARSHINI A	CONFORMAL FRACTIONAL ORDER DERIVATIVE AND SEIOR EPIDEMIC MODEL
AP200224	KOSALAI M	A STUDY ON A SIMPLE GRAPHOIDAL COVERING NUMBER OF A PRODUCT GRAPH
AP200225	POOVIZHI S	RESULTS ON RELAXED MEAN GRAPHS
AP200226	SHALINI M	PROBABILITY AND RANDOM ACCESS
AP200227	GAYATHRI V	
AP200228	ABISHEK A	TRAVELLING SALESMAN PROBLEM
AP200229	RENUGA A	SADAQ EMAD EMANN TRANSFORMS
AP200230	MARIAMMAL C G	CHINESE POSTMAN PROBLEM
AP200231	SARANYA N	AN ANALYSIS ON REIDEMEISTER MOVES, ALEXANDER POLYNOMIALS AND ALEXANDER CONWAY POLYNOMIALS IN KNOT THEORY
AP200232	PAVUL HENSMAN B	RELAXED MEAN LABELING
AP200233	DEEPIKA A	COMPARISON OF LAPLACE TARG AND KAMAL TRANSFORMS
AP200234	SUNDAR R	BOUNDS OF TOPOLOGICAL INDICES OF L-CHAIN WHEEL
AP200235	INDHUMATHI P	SOME APPLICATIONS OF MATRIX TRANSFORMATIONS
AP200236	DOLPHIN LYDIA JOEVITA D	Z-TRANSFORM AND ITS APPLICATION
AP200237	VIGNESH M	SKOLEM MEAN LABELING FOR STAR GRAPHS
AP200238	ABIRAMI V	SOLUTIONS OF CONFORMABLE FRACTIONAL ORDER SEIR EPIDEMIC MODEL
AP200239	ALEX STEPHEN RAJ I	A STUDY ON SYSTEMS - DECISION MAKING USING FUZZY LOGIC
AP200240	JOTHILAKSHMI P	SOME UPPER BOUNDS OF TOPOLOGICAL INDICES OF K-CHAIN AZTEC DIAMOND GRAPHS


09/06/2024

Dr. A. George Maria Selvarn
Head, Dept. of Mathematics
Sacred Heart College
Tirupattur, T.P.T. Dt. 635 601.

Department of Mathematics (Shift - II)

PG Project Title: II - M.Sc. Mathematics Shift - 2 (Batch 2020-2022)

S.No	REG.NO	NAME	Project Title
1	BP200201	LALITHA T	DISCRETE LAPLACE TRANSFORM OF $\cosh nx$ AND ITS APPLICATION IN IVP
2	BP200202	SARANYA K	DISCRETE LAPLACE TRANSFORM OF $\cos nx$ AND ITS APPLICATION IN IVP
3	BP200203	NATHIYA S	SOME FUNDAMENTAL THEOREMS USING q AND $q - h$ OPERATORS
4	BP200204	SHANTHI S	TWO DIMENSIONAL (p_1, p_2, q) -FIBONACCI SUMMATION WITH VARIABLE COEFFICIENTS
5	BP200205	SUSHMITHA S	FUNDAMENTAL THEOREMS IN DISCRETE FRACTIONAL CALCULUS USING ALPHA DIFFERENCE OPERATOR
6	BP200206	KAVIPRIYA E	CYPTOSYSTEM USING FIBONACCI PRIMES FOR MONO, DI AND TRI GRAPHS
7	BP200207	MOHANA PRIYA P	M/G/1 QUEUEING MODEL WITH VACATION AND CATASTROPHICAL EVENT
8	BP200208	SARATH K	INFINITE SUM USING 3 - DIMENSIONAL $q \beta$ DIFFERENCE OPERATOR
9	BP200209	THARANI T	EPIDEMIC MODELING IN SEIR USING CONFORMABLE TRANSFORMS
10	BP200211	KAVYA D	CRYPTANALYSIS WITH CLUBBING OF BINARY AND FIBONACCI PRIME FOR MONOGRAPH AND DIGRAPH

11	BP200212	NIRANJANI P	STUDY ON CUSTOMER BEHAVIOUR IN QUEUEING SYSTEM
12	BP200213	ARUN N	Various Fractional-Order Schemes on SEIQR Epidemic Model
13	BP200214	SUGANTHI A	ANALYSIS OF M/M/1 QUEUE SYSTEM WITH MULTIPLE VACATION AND SERVER BREAK DOWN
14	BP200215	PRIYANGA A	DISCRETE LAPLACE TRANSFORM OF $\sin n x$ AND ITS APPLICATION IN IVP
15	BP200216	MALAVIKA L	DISCRETE LAPLACE TRANSFORM OF $\sinh n x$ AND ITS APPLICATION IN IVP
16	BP200217	SANGAVI V	NOT SUBMITTED
17	BP200218	TAMILELAKKIYA P	Various Fracyional-Order Schemes on SEIQRS epdemic model
18	BP200219	ABINAYA S	DISCRETE FRACTIONAL CALCULUS USING NABLA OPERATOR
19	BP200220	SINDHU C	EPIDEMIC MODELING IN SEIQR USING CONFORMABLE TRANSFORMS
20	BP200221	SARANYA N	SOME FUNDAMENTAL THEOREMS USING $q(\alpha)$ AND $q - h(\alpha)$ OPERATORS
21	BP200222	ARCHANA M	DISCRETE FRACTIONAL CALCULUS USING DELTA OPERATOR
22	BP200223	SENTHILKUMAR K	Various Fractional-Order Schemes on SEIQEDC Epidemic Model

23	BP200224	PRADEEP KUMAR R	Skolem Mean Like Labeling For $K_{1,l} \wedge K_{1,l+5} \wedge P_{l+n}$, Where $l \geq 1$, $n \geq 6$ And $K_{1,l} \wedge K_{1,l+5} \wedge K_{1,l+4}$, $l < m > n$, Where $l < n$ And $K_{1,l} \wedge K_{1,l} \wedge K_{1,m} \wedge K_{1,n}$, $l \leq m < n$, Where $n = 2l + m - 8$.
24	BP200225	DHINESH R	VARIOUS FRACTIONAL-ORDER SCHEMES OF SIDARTHE EPIDEMIC MODEL
25	BP200226	KANISHKUMAR V	RESOLVING SET AND DIMENSION OF TETRA CYCLIC GRAPH STRUCTURES
26	BP200228	ABINAYA M	SUBSISTENCE OF SKOLEM MEANLIKE LABELING FOR CONNECTED SEVEN STAR GRAPHS
27	BP200229	KEERTHANA V	CRYPTO SYSTEM ALGORITHM USING PHONE KEYPAD CIPHER CODE
28	BP200231	DIVYA BHARATHI G	SUBSISTENCE OF SKOLEM MEAN LIKE LABELING FOR CONNECTED SIX STAR GRAPH
29	BP200232	SANTHOSHKUMAR D	STUDY ON CUSTOMER BEHAVIOUR IN OBSERVABLE AND BALKING QUEUEING SYSTEM
30	BP200233	SIVASAKTHI S	The Skolem Mean Like Labeling For $K_{1,l} \wedge K_{1,l+6} \wedge P_{l+7}$ And $K_{1,l} \wedge K_{1,l+6} \wedge K_{1,l+5}$, $l < m > n$ where $l < n$ And $K_{1,l} \wedge K_{1,l} \wedge K_{1,m} \wedge K_{1,n}$, $l \leq m < n$ where $n = 2l + m - 9$
31	BP200234	SRI ANISH E	DIMENSION OF TETRA PENDENT GRAPHS STRUCTURES
32	BP200235	ARUNKUMAR M	RELIABILITY MODELS ON THE LIFETIME OF MOBILE PHONES
33	BP200236	KALAIYARASI K	Skolem Mean Like Labeling For $K_{1,l} \wedge K_{1,l+7} \wedge P_{l+8}$ And $K_{1,l} \wedge K_{1,l+2} \wedge K_{1,l+1}$, $l < m > n$ Where $l < n$ And $K_{1,l} \wedge K_{1,l} \wedge K_{1,m} \wedge K_{1,n}$, $l \leq m < n$ Where $n=2l+m-10$.
34	BP200237	RAYMOND A	FUNDAMENTAL THEOREMS IN DISCRETE FRACTIONAL CALCULS USING NABLA OPERATOR





PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601

June - 2022

CERTIFICATE

This is to certify that the project entitled "EXTORIAL TRANSFORMS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by S. MANIVANNAN , Reg.No: AP200201 in partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work carried out by him, under my guidance and supervision.


Rev. Dr. S. JOHN BORG
Assistant Professor


Dr.A. George Maria Selvam,
Head of the Department,
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on 29.06.2022

Examiners:


Internal Examiner

R. Jothilakshmi 29/06/2022
External Examiner

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharu: Uloom College, Ambur - 635 802,
Tamil Nadu, India



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “**RANKING OF TEACHING PROFESSIONALS USING FUZZY ELECTRE METHOD**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **RUBINI A**, Reg.No: **AP200202** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.



Dr. D. Ajay,

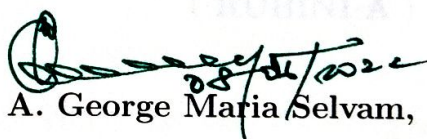
Assistant Professor,
Dr. D. AJAY
Assistant Professor
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur Dt.


DATE:

Submitted for Viva - voce examination on

Examiners:


Internal Examiner


Dr. A. George Maria Selvam,
Head and Associate Professor,
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


External Examiner
(Dr. G. BACASUBRAMANIAM)



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601

June - 2022

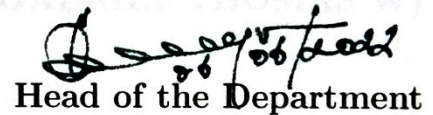
CERTIFICATE

This is to certify that the project entitled "**FRACTIONAL DERIVATIVE OF SOME ELEMENTARY FUNCTIONS**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **GABRIEL THOMAS W**, Reg.No: **AP200203** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.


06/06/2022

Dr.A. George Maria Selvam

Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

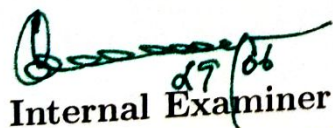

06/06/2022

Head of the Department

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on**29.06.2022**..

Examiners:


29/06

Internal Examiner

Dr. A. GEORGE MARIA SELVAM
Associate Professor & Head,
Dept. of Mathematics
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


29/6/22

External Examiner

DR. ZAHIRUDDEN
Asst. Prof. Mathematics
Islamicah College
Vanianbadi.



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled "**PROCESS OF NUMERICAL COMPUTING**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SHYLLA S**, Reg.No: **AP200205** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.

Signature of Mr. S. Joseph
Date: 28/06/22
Mr. S. Joseph,
Associate Professor

Signature of Dr. A. George Maria Selvam
Date: 28/06/2022
Dr. A. George Maria Selvam,
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

DATE:

Submitted for Viva - voce examination on

Examiners:

Internal Examiner

Signature of External Examiner
Date: 29/6/22
External Examiner
(**Dr. G. BALASUBRAMANIAN**)



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur (Dt) - 635 601
June -2022

CERTIFICATE

This is to certify that the project entitled "THE MOHAND TRANSFORM" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **A . PETCY METILDA** Reg.No: **AP200206** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. R. Murali
28/6/2022

Associate Professor

Dr. R. MURALI
Research Supervisor,
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Tirupattur Dt. 635 601.




Dr. A. George Maria Selvam

Head and Associate Professor

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Associate Professor & Head,
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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voce examination on

Examiners:


Internal Examiner
29.6.2022

Dr. R. MURALI

Associate Professor & U.G. Head
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Tirupattur Dt. 635 601.



External Examiner


(Dr. S. BALASUBRAMANIAN)




PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur (Dt) - 635 601
June -2022

CERTIFICATE

This is to certify that the project entitled "A STUDY ON
TRANSSHIPMENT PROBLEM (using) ZERO POINT METHOD"
being submitted to Sacred Heart College (Autonomous), Tirupattur, by
I. JENCY NIPPANIYA Reg.No: AP200207 in partial fulfillment for
the award of degree of MASTER OF SCIENCE IN MATHEMATICS
is a bonafide record of the work carried out by her, under my guidance and
supervision.


07/06/2022
Dr. A. Merceline Anita
Assistant Professor

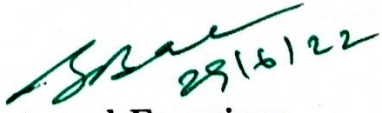

Dr. A. George Maria Selvam
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
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Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voce examination on29.06.2022.....

Examiners:


Internal Examiner
29.06.2022

Ms. A. MERCELINE ANITA, M.Sc., M.Phil.
Assistant Professor,
P.O. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur - 635 601, Vellore Dt.



29/6/22
External Examiner
(Dr. G. BALASUBRAMANIAM)



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “UPPER BOUNDS OF TOPOLOGICAL INDICES OF Q-CHAIN STAIRCASE GRAPHS” being submitted to Sacred Heart College (Autonomous), Tirupattur, by NANCY NAVOTANA A, Reg.No: AP200208 in partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. M. Antony Arockiasamy

Assistant Professor
M.Sc., M.Phil., Ph.D., SET,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601, Tirupattur District.

DATE:

Submitted for Viva - voce examination on

Examiners:


Internal Examiner

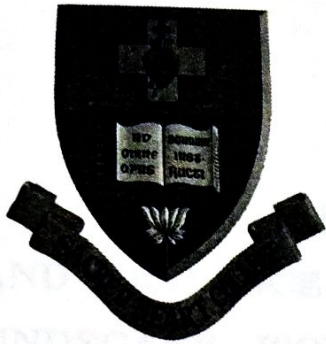
Dr. M. Antony Arockiasamy
M.Sc., M.Phil., Ph.D., SET,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601, Tirupattur District.


Dr. A. George Maria Selvam

Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
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External Examiner

Dr. R. JOTHILAKSHMI,
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**DEGREE AND DISTANCE BASED TOPOLOGICAL INDICES OF UNDECANE ISOMERS**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **YAMUNA.D**, Reg.No: **AP200209** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. P. MANOHARAN

Associate Professor

Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601


Dr. A. George Maria Selvam

Head. GEORGE MARIA SELVAM,
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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on **29.06.2022**

Examiners:


Internal Examiner

Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
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Tirupattur, Tirupattur Dt. 635 601


External Examiner

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tami. Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur(Dt) - 635 601.

CERTIFICATE

This is to certify that the project entitled
"FOURIER SERIES AND ITS APPLICATIONS" being submitted to
Sacred Heart College (Autonomous), Tirupattur, by **PAVITHRA D,**
REG.NO: AP200211 for the partial fulfillment for the award of degree of
MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the
work carried out by her, under my guidance and supervision.

Date: Tirupattur

Date: 07/06/2022


Dr.P.MANOHARAN,

Associate Professor
Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601


Dr.A.George Maria Selvam,

Head of the Department

Submitted for Viva -Voce examination on 29.06.2022

Examiners:


29.06.22

Internal Examiner

Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601


29.06.2022

External Examiner

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601

June - 2022

CERTIFICATE

This is to certify that the project entitled “**BEHAVIOURS OF SOLUTIONS OF CONFORMAL FRACTIONAL ORDER SCIRD EPIDEMIC MODEL**” being submitted to Sacred Heart College(Autonomous), Tirupattur, by **PRABHAVATHY.M**, Reg.No: **AP200212** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


07/06/2022

Dr. G. BRITTO ANTONY XAVIER

Associate Professor
Dr. G. BRITTO ANTONY XAVIER
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.


07/06/2022

Dr. A. George Maria Selvam,

Head of the Department

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on 29. 06. 2022

Examiners:

Internal Examiner


29. 06. 2022

External Examiner

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601

June - 2022

CERTIFICATE

This is to certify that the project entitled "SEVERAL KINDS OF STIRLING NUMBERS WITH APPLICATION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **KARTHIKEYAN. A.**, Reg.No: **AP200213** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by his, under my guidance and supervision.

[Signature]
08/06/2022
Dr. G. Britto Antony Xavier
Associate Professor

Dr. G. BRITTO ANTONY XAVIER
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

[Signature]
08/06/2022
Dr. A. George Maria Selvam
Head of the Department

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on29.06.2022.....

Examiners:

[Signature]
29/06/2022

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



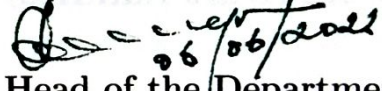
PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601
June - 2022

CERTIFICATE

This is to certify that the project entitled "TIME TABLE SCHEDULING USING ASSIGNMENT ALGORITHM" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SHEELA JENIFER M**, Reg.No: **AP200214** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr.A. George Maria Selvam

Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


Head of the Department


Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on 29/06/2022.....

Examiners:


Internal Examiner

Dr. A. GEORGE MARIA SELVAM
Associate Professor & Head,
Dept. of Mathematics
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


29/6/2022
External Examiner

Dr. ZAHIRUDDEN
Asst. Prof. of Mathematics
Islamic College
Vaniyambadi.



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled "**TECHNIQUES OF THE NATURAL TRANSFORMS**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **JANCY MARY K**, Reg.No: **AP200215** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.

R. Murali
Dr. R. MURALI,
7/6/2022
Associate Professor,

A. George Maria Selvam
Dr. A. George Maria Selvam,
Head and Associate Professor,
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
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Tirupattur, Tirupattur Dt. 635 601.

DATE:

Submitted for Viva - voce examination on 29.6.22

Examiners:

R. Murali
Internal Examiner

Dr. R. MURALI
Associate Professor & U.G. Head
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Tirupattur Dt. 635 601.

S. Balasubramanian
External Examiner
(Dr. S. BALASUBRAMANIAN)



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled "**GENERAL STRUCTURE OF LINEAR TRANSFORMATIONS**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **CHANDHURU K**, Reg.No: **AP200216** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.

S. Kalaiarasi
08/06/22

Dr. S. KALAIARASI
Assistant Professor

Dr. A. George Maria Selvam
08/06/2022

Dr. A. George Maria Selvam
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
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DATE: 08/06/2022

Submitted for Viva - voce examination on 29.06.2022

Examiners:

S. Kalaiarasi
29/06/22

Internal Examiner

Dr. S. KALAIARASI, M.Sc., M.Phil., Ph.D.,
Supervisor & Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601. Tirupattur Dt. TN.

Dr. Zahiruddeen
29/6/22

External Examiner

Dr. ZAHIRUDEEN
Asst. Prof. of Mathematics
Islamiah College
Vaniyambadi.



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled "APPLICATIONS OF CRYPTOGRAPHY IN CHESS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by MAHENDRAN V, Reg.No: AP200218 in partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work carried out by him, under my guidance and supervision.

S. Kalaiarasi 06/06/2022

Dr. S. Kalaiarasi,
Assistant Professor,
Department of Mathematics.

A. George Maria Selvam 06/06/2022

Dr. A. George Maria Selvam,
Head and Associate Professor,
Department of Mathematics.

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

DATE:

Submitted for Viva - voce examination on29.06.2022.

Examiners:

S. Kalaiarasi 29/06/22

Internal Examiner

Zahir Uddeen 29/6/22

External Examiner

Dr. ZAHIR UDDEEN

Assistant Prof. of Mathematics
Islamiah College
Vaniyabedi

Dr. S. KALAIARASI, M.Sc., M.Phil., Ph.D.,
Assistant Professor,
Department of Mathematics,
Sacred Heart College (Autonomous),
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PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601
June - 2022

CERTIFICATE

This is to certify that the project entitled "**CAYLEY FORMULA AND EULERIAN GRAPHS**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **A.PETRICIA KEMILA**, Reg.No: **AP200219** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Mr. S. JOSEPH M.Sc.,M.Phil.,
Associate Professor


Dr.A. George Maria Selvam,
Head of the Department
D.A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on

Examiners:

Internal Examiner


External Examiner
(Dr. G. BALASUBRAMANIAM)



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601


June -2022

CERTIFICATE

This is to certify that the project entitled “**MATHEMATICAL MODELLING**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **I.C.GLEMMING BEBETO**, Reg.No: **AP200220** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.


06/06/2022

Dr.A. Merceline Anita,
Assistant Professor
Department of Mathematics.


06/06/2022

Dr. A. George Maria Selvam,
Head and Associate Professor,
Department of Mathematics.

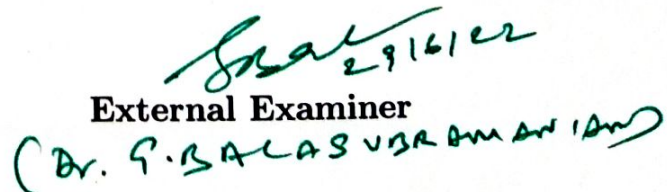
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voce examination on **29.06.2022**

Examiners:


Internal Examiner **29.06.2022**

Mrs. A. MERCELINE ANITA, M.Sc., M.Phil.
Assistant Professor,
P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur - 635 601, Vellore Dt.


29/6/22
External Examiner
(**Dr. G. BALASUBRAMANIAN**)



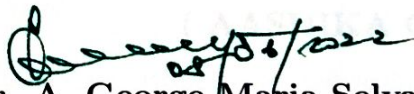
P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “**A FUZZY MCDM APPROACH TO THE RANKING OF ONLINE TEACHING AND LEARNING TOOLS**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **AASHIKA G**, Reg.No: **AP200221** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. D. Ajay,

Assistant Professor,
Dr. D. AJAY
Assistant Professor
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, 635 601, Tirupattur Dt.

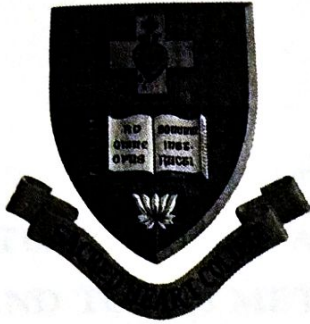

Dr. A. George Maria Selvam,
Head and Associate Professor,
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voce examination on

Examiners:


Internal Examiner


External Examiner
(Dr. G. BALASUBRAMANIAN)



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “AN COMPARATIVE STUDY ON THE APPLICATION OF FUZZY EDAS, ELECTRE AND TOPSIS METHODS” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **LEEMA MARY J**, Reg.No: **AP200202** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.



Dr. D. Ajay,


Dr. D. AJAY,
Assistant Professor,
Assistant Professor
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur Dt.


DATE: 07/06/2022

Submitted for Viva - voce examination on

Examiners:


Internal Examiner


Dr. A. George Maria Selvam,
Head and Associate Professor,
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


External Examiner
(Dr. G. BALASUBRAMANIAN)



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601
June - 2022

CERTIFICATE

This is to certify that the project entitled “**CONFORMAL FRACTIONAL ORDER DERIVATIVE AND SEIQR EPIDEMIC MODEL**” being submitted to Sacred Heart College(Autonomous), Tirupattur, by **MOHANAVARSHINI.A.**, Reg.No: **AP200223** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


07/06/2022

Dr. G. BRITTO ANTONY XAVIER

Associate Professor
Dr. G. BRITTO ANTONY XAVIER
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.


07/06/2022

Dr. A. George Maria Selvam,

Head of the Department
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on 29.06.2022

Examiners:

Internal Examiner


29/06/2022

External Examiner

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur(Dt) - 635 601.

CERTIFICATE

This is to certify that the project entitled
**"A STUDY ON A SIMPLE GRAPHOIDAL COVERING NUMBER OF A
PRODUCT GRAPH"** being submitted to Sacred Heart College
(Autonomous), Tirupattur, by **KOSALAI M, REG.NO: AP200224** for the
partial fulfillment for the award of degree of **MASTER OF SCIENCE IN
MATHEMATICS** is a bonafide record of the work carried out by her,
under my guidance and supervision.

Date:

Dr.P.MANOCHARAN,

Associate Professor
Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601

Dr.A.George Maria Selvam,

Head of the Department
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva -Voce examination on 29.06.2022

Examiners:

Internal Examiner

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Associate Professor,
Dept. of Mathematics,
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Tirupattur, Tirupattur Dt. 635 601

External Examiner 29.06.2022

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur Dt - 635 601.

June - 2022

CERTIFICATE

This is to certify that the project entitled "**RESULTS ON RELAXED MEAN GRAPHS**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **S. POOVIZHI**, Reg. No: **AP200225** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.

Date:

Dr. V. BALAJI

Assistant Professor

Dr. V. BALAJI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor & Supervisor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-63 5601. Tirupattur Dt.

Dr. A. George Maria Selvam

Head of the department

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on 29.06.2022

Examiners:

Internal Examiner

Dr. V. BALAJI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor & Supervisor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-63 5601. Tirupattur Dt.

External Examiner

Dr. ZAHIRUDDIN
Asst. Prof of Mathematics
Islamic College
Vandiyabadi



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled **“PROBABILITY AND RANDOM ACCESS”** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SHALINI M**, Reg.No: **AP200226** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Mr. S. Joseph,
Associate Professor


Dr. A. George Maria Selvam,
Head and Associate Professor


Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

DATE:

Submitted for Viva - voce examination on

Examiners:

Internal Examiner


External Examiner
(Dr. G. BALASUBRAMANIAN)

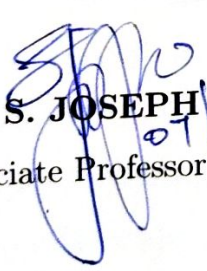


PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601

June - 2022

CERTIFICATE

This is to certify that the project entitled "**TRAVELLING SALESMAN PROBLEM**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **A. ABISHEK**, Reg.No: **AP200228** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.


Mr. **S. JOSEPH** M.Sc.,M.Phil.,
Associate Professor

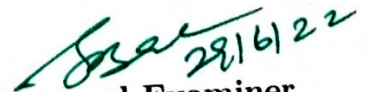

Dr.A. George Maria Selvam,

Head of the Department
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on

Examiners:

Internal Examiner


External Examiner
(Dr. G. BALASUBRAMANIAN)



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “**SADAQ EMAD EMANN TRANSFORMS**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **RENUGA A**, Reg.No: **AP200229** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.

R. Murali
Dr. R. MURALI

08/06/2022
Associate Professor
Research Supervisor,
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Tirupattur Dt. 635 601.

08/06/2022

Dr. A. George Maria Selvam
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

DATE: *08/06/2022*

Submitted for Viva - voce examination on *29.6.2022*

Examiners:

R. Murali
Internal Examiner

29.6.22
Dr. R. MURALI
Associate Professor & U.G. Head
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Tirupattur Dt. 635 601.

29/6/22
External Examiner
(Dr. S. BALASUBRAMANIAM)



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601
June - 2022

DECLARATION

CERTIFICATE

This is to certify that the project entitled "**CHINESE POSTMAN PROBLEM**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **MARIAMMAL.C.G, Reg.No:AP200230** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr.A. George Maria Selvam
Associate Professor

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


Dr.A. George Maria Selvam
Head of the Department


Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
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Tirupattur, Tirupattur Dt. 635 601.


Place: Tirupattur

Signature of the Student

Submitted for Viva - voce examination on 29/06/2022

Examiners:


Internal Examiner
Dr. A. GEORGE MARIA SELVAM
Associate Professor & Head,
Dept. of Mathematics
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt 635 601


29/6/22
External Examiner
Dr. ZAHIRUDDIN
Asst. Prof of Mathematics
Islamiah College
Vaniyambadi



PG and research Department of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur (Dt) - 635 601.

DECLARATION

CERTIFICATE

I hereby declare that the project entitled "AN ANALYSIS ON REIDEMEISTER MOVES, ALEXANDER POLYNOMIALS AND ALEXANDER CONWAY POLYNOMIALS IN KNOT THEORY" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SARANYA. N, Reg.No. AP200231 for the partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work carried out by her, under my guidance and supervision.

Date: 07/06/2022

Dr. P.MANOHARAN,

Associate Professor

Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601

Dr. A.George Maria Selvam,

Head of the Department

Dr. A. GEORGE MARIA SELVAM,
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Submitted for Viva -Voce examination on 29.06.2022

Examiners:

Dr P. MANOHARAN
Associate Professor,
Dept. of Mathematics,
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Internal Examiner

29.06.2022

Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India

External Examiner



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled "**RELAXED MEAN LABELING**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **PAVUL HENSMAN B**, Reg.No: **AP200232** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.

Dr. V. Balaji,

Dr. V. BALAJI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor & Supervisor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-63 5601. Tirupattur Dt.

DATE:

Submitted for Viva - voce examination on **29.06.2022**

Examiners:

Internal Examiner

Dr. V. BALAJI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor & Supervisor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-63 5601. Tirupattur Dt.

Dr. A. George Maria Selvam,
Head and Associate Professor

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

External Examiner

Dr. ZAMIRUWNEEN
Asst. Prof. of Mathematics
Tostaniah college
Vaniyabedi.



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601
June - 2022

CERTIFICATE

This is to certify that the project entitled "COMPARISON OF LAPLACE, TARIG AND KAMAL TRANSFORMS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by DEEPIKA. A, Reg.No: AP200233 in partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work carried out by her, under my guidance and supervision.

S. Kalaiarasi
07/06/22

Dr. S. KALAIARASI
Assistant Professor

Dr. A. George Maria Selvam
07/06/2022

Dr.A. George Maria Selvam,
Head of the Department
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
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Submitted for Viva - voice examination on 29.06.2022

Examiners:

S. Kalaiarasi
29/06/22

Internal Examiner

Dr. S. KALAIARASI, M.Sc.,M.Phil.,Ph.D.,
Supervisor & Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601. Tirupattur Dt. TN.

Dr. Zahiruddeen
29/06/22

External Examiner

Dr. ZAHIRUDDIN
Asst. Prof. of Mathematics
Islamicah College
Vaniyambadi.



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled "BOUNDS OF TOPOLOGICAL INDICES OF L-CHAIN WHEEL GRAPHS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SUNDAR R , Reg.No: AP200234 in partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work carried out by him, under my guidance and supervision.


08/06/2022
Dr. M. Antony Arockiasamy

Assistant Professor
Dr. M. Antony Arockiasamy
M.Sc., M.Phil., Ph.D., SET,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601, Tirupattur District.



08/06/2022
Dr. A. George Maria Selvam

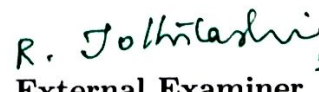
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM
Associate Professor & Head,
Dept. of Mathematics
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

DATE:

Submitted for Viva - voce examination on 29.06.2022

Examiners:


29/6/2022
Internal Examiner
Dr. M. Antony Arockiasamy
M.Sc., M.Phil., Ph.D., SET,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601, Tirupattur District.


29/06/2022
External Examiner
Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharul Uloom College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt)-635 601.

CERTIFICATE

This is to certify that the project entitled
"SOME APPLICATIONS OF MATRIX TRANSFORMATIONS"

being submitted to Sacred Heart College (Autonomous), Tirupattur, by
INDHUMATHI P, Reg.No.AP200235 for the partial fulfillment for the
award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a
bonafide record of the work carried out by her, under my guidance and supervision.

Date:

Dr.A.George Maria Selvam,

Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Dr.A.George Maria Selvam,

Head of the Department
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva -Voce examination on 29.06.2022

Examiners:

Internal Examiner

Dr. A. GEORGE MARIA SELVAM
Associate Professor & Head,
Dept. of Mathematics
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

External Examiner

DR. ZAHIR MODEEN
Asst. Prof of Mathematics
Inlanchi College
Vaniyambadi.



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “Z-TRANSFORM AND ITS APPLICATIONS” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **DOLPHIN LYDIA JOEVITA D**, Reg.No: **AP200236** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.

S. Kalaiarasi
08/06/22

Dr. S. KALAIARASI
Assistant Professor

A. George Maria Selvam
08/06/22

Dr. A. GEORGE MARIA SELVAM
Head and Associate Professor

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

DATE: 08/06/2022

Submitted for Viva - voce examination on 29.06.2022

Examiners:

S. Kalaiarasi
29/06/22

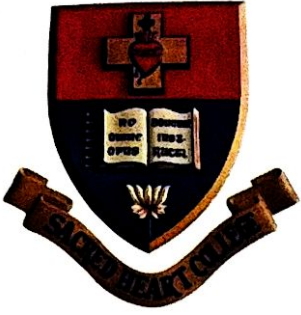
Internal Examiner

Dr. S. KALAIARASI, M.Sc., M.Phil., Ph.D.,
Supervisor & Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601, Tirupattur Dt. TN.

Zahir Mdeen
29/6/22

External Examiner

Dr. ZAHIR MDEEN
Asst. Prof of Mathematics
Islamiah College
Vairaveludi.



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601.
June - 2022

CERTIFICATE

This is to certify that the project entitled **"SKOLEM MEAN LABELING FOER STAR GRAPHS"** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **M. VIGNESH** , Reg. No: **AP200237** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonifide record of the work carried out by her, under my guidance and supervision.

Date:

Dr. V. BALAJI

Assistant Professor

Dr. V. BALAJI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor & Supervisor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-63 5601, Tirupattur Dt.

Submitted for Viva - voice examination on ..29..06..2022.....

Examiners:

Internal Examiner

Dr. V. BALAJI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor & Supervisor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-63 5601, Tirupattur Dt.

Dr.A. George Maria Selvam

Head of the department

Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

External Examiner

Dr. ZAHIRUDDEN
Asst. Prof. of Mathematics
Islamiyah college
Vaniyabadi.



PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601

June - 2022

CERTIFICATE

This is to certify that the project entitled “**SOLUTIONS OF CONFORMABLE FRACTIONAL ORDER SEIR EPIDEMIC MODEL**” being submitted to Sacred Heart College(Autonomous), Tirupattur, by **ABIRAMI.V**, Reg.No: **AP200238** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.

[Signature] 07/06/2022

Dr. G. BRITTO ANTONY XAVIER

Associate Professor
Dr. G. BRITTO ANTONY XAVIER
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

[Signature] 07/06/2022

Dr.A. George Maria Selvam,

Head of the Department
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voice examination on 29.06.2022

Examiners:

[Signature] 29.06.22
Internal Examiner

Dr. G. BRITTO ANTONY XAVIER
Associate Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

[Signature] 29.06.2022
External Examiner


Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazharui Uloom College, Ambur - 635 802,
Tamil Nadu, India




PG and Research Department of Mathematics,
Sacred Heart College(Autonomous),
Tirupattur Dt - 635 601,
June - 2022.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON SYSTEMS - DECISION MAKING USING FUZZY LOGIC" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **I. ALEX STEPHEN RAJ**, Reg.No: AP200239 in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by him, under my guidance and supervision.



07/06/2022
Dr. A. Merceline Anita,
Assistant Professor


07/06/2022
Dr. A. George Maria Selvam,
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voce examination on29.6.2022.....

Examiners:


29.6.2022
Internal Examiner


29/6/22
External Examiner
(Dr. G. BALASUBRAMANIAN)

Ms. A. MERCELINE ANITA, M.Sc., M.Phil.
Assistant Professor,
P.G and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur - 635 601, Vellore Dt.



P.G. and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur (Dt) - 635 601,
June -2022.

CERTIFICATE

This is to certify that the project entitled “**SOME UPPER BOUNDS OF TOPOLOGICAL INDICES OF K-CHAIN AZTEC DIAMOND GRAPHS**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **JOTHILAKSHMI P**, Reg.No: **AP200240** in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. M. Antony Arockiasamy

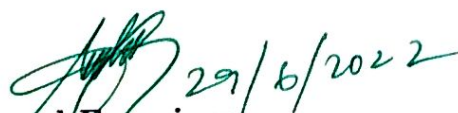
Assistant Professor
Dr. M. Antony Arockiasamy
M.Sc., M.Phil., Ph.D., SET,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601, Tirupattur District.



Dr. A. George Maria Selvam

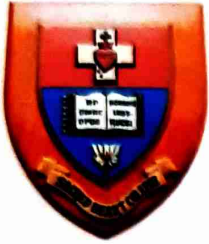
Head and Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - voce examination on 29.06.2022

Examiners:


Internal Examiner
Dr. M. Antony Arockiasamy
M.Sc., M.Phil., Ph.D., SET,
Assistant Professor,
PG & Research Dept. of Mathematics,
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Tirupattur-635 601, Tirupattur District.


External Examiner
Dr. R. JOTHILAKSHMI.
M.Sc., M.Phil., M.Tech.(IT), Ph.D.,
Assistant Professor, Head & Research Supervisor,
PG & Research Dept. of Mathematics,
Mazhara Diocesan College, Ambur - 635 802,
Tamil Nadu, India



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "DISCRETE LAPLACE TRANSFORM OF $\cosh^2 x$ AND ITS APPLICATIONS IN IVP" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **LALITHA T**, Reg.No. BP200201 for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. B. GOVINDAN

Assistant Professor

Dr. B. GOVINDAN, M.Sc., B.Ed., M.Phil., Ph.D.

Assistant Professor,

Dept. of Mathematics,

Sacred Heart College (Autonomous),

Tirupattur-635 601, Tirupattur Dt.

Submitted for Viva - Voce examination on 10/06/2022

Examiners:


Internal Examiner

Dr. B. GOVINDAN, M.Sc., B.Ed., M.Phil., Ph.D.

Assistant Professor,

Dept. of Mathematics,

Sacred Heart College (Autonomous),

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Head of the Department

Dr. S. JOHN BORG

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External Examiner

Dr. A. MOHAMED ALI

M.Sc., M.Phil., B.Ed., Ph.D., SLST,

Associate Professor & Research Supervisor

PG and Research Department of Mathematics

Islamiah College (Autonomous)

Vaniyambadi - 635 752. (Vellore Dist.)



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur Dt. - 635 601.

CERTIFICATE

This is to certify that the project entitled "DISCRETE LAPLACE TRANSFORM OF $\cos^n x$ AND ITS APPLICATIONS IN IVP" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SARANYA K, Reg.No. BP200202 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


06/06/22

Dr. B. GOVINDAN

Assistant Professor.
Dr. B. GOVINDAN, M.Sc., B.Ed., M.Phil., Ph.D.
Assistant Professor,
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06/06/22

Head of the Department

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Submitted for Viva -Voce examination on 10/06/2022

Examiners:


10/06/22

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10/06/2022

External Examiner

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Vaniyambadi - 635 752. (Vellore Dist.)



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled **FUNDAMENTAL THEOREM ON q AND q -h DIFFERENCE OPERATOR** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **NATHIYA S, Reg.No. BP200203** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. T. G. GERLY

Assistant Professor (Shift-II)
Dr. T.G. Gerly
Assistant Professor
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Sacred Heart College (Autonomous)
Tirupattur-635 601. Vellore District.

Submitted for Viva -Voce examination on 10.06.2022

Examiners:


Internal Examiner

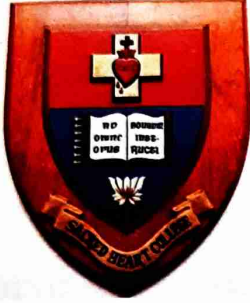
Dr. T.G. Gerly
Assistant Professor
P.G. and Research Department of Mathematics
Sacred Heart College (Autonomous)
Tirupattur-635 601. Vellore District.


Head of the Department

Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.


External Examiner

Dr. A. MOHAMED ALI
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Associate Professor & Research Supervisor,
PG and Research Department of Mathematics
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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "TWO DIMENSIONAL (p_1, p_2, q) -FIBONACCI SUMMATION WITH VARIABLE COEFFICIENTS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SHANTHI S, Reg.No. BP200204 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. T.G. GERLY

Assistant Professor
Dr. T.G. Gerly
Assistant Professor
P.G. and Research Department of Mathematics
Sacred Heart College (Autonomous)
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Head of the Department


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Submitted for Viva -Voce examination on 10.06.2022

Examiners:


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Dr. T.G. Gerly
Assistant Professor

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External Examiner

Dr. A. MOHAMED ALI
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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur(Dt) - 635 601.

CERTIFICATE

This is to certify that the project entitled "**FUNDAMENTAL THEOREMS IN DISCRETE FRACTIONAL CALCULUS USING ALPHA DIFFERENCE OPERATOR** " being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SUSHMITHA S, Reg.No. BP200205** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

D. Saraswathi

Miss D.Saraswathi

Assistant Professor

S. John Borg
10/06/22

Head of the Department

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Assistant Professor & PG - Head (Shift-II),
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Submitted for Viva -Voce examination on 10-6-2022

Examiners:

D. Saraswathi
10/06/2022

Internal Examiner

Dr. V. Chandrasekar
10/06/2022

External Examiner

Dr.V. CHANDRASEKAR

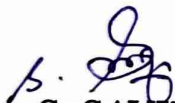
Assistant Professor and Head
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Thennangur, Vandavasi - 624 408
Tiruvannamalai District.



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
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CERTIFICATE

This is to certify that the project entitled "CRYPTOSYSTEM USING FIBONACCI PRIMES FOR MONO, DI AND TRI GRAPHS " being submitted to Sacred Heart College (Autonomous), Tirupattur, by **KAVIPRIYA E**, Reg.No. BP200206 for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Mrs. S. SAVITHA
(Assistant Professor)



Head of the Department

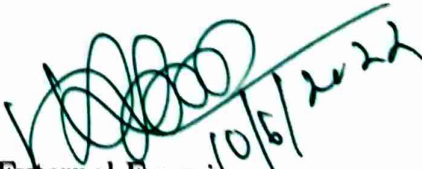
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on

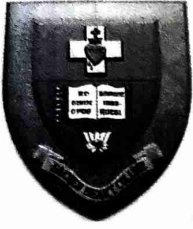
10/6/22

Examiners:


Internal Examiner


External Examiner

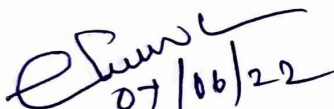
Dr. P. HARIPRABAKARAN
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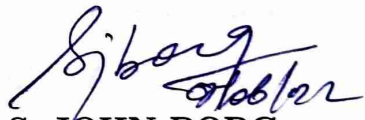


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur Dt. - 635 601.

CERTIFICATE

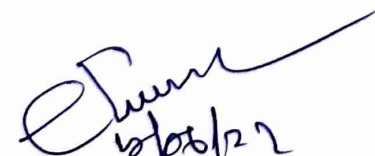
This is to certify that the project entitled "M/G/1 QUEUEING SYSTEM WITH WORKING VACATION AND CATASTROPHICAL EVENT " being submitted to Sacred Heart College (Autonomous), Tirupattur, by MOHANA PRIYA P, Reg.No. BP200207 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


07/06/22
Dr. B. CHANDRASEKAR
Assistant Professor,
Dr. B. CHANDRASEKAR,
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Rev. Dr. S. JOHN BORG
Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
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Tirupattur-635 601. Tirupattur Dt.

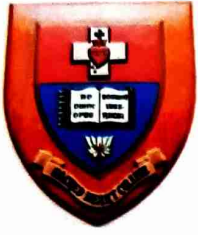
Submitted for Viva -Voce examination on 10/06/22

Examiners:


Internal Examiner


10/6/2022
External Examiner

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PG and Research Department of Mathematics,
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CERTIFICATE


This is to certify that the project entitled **INFINITE SUM USING 3-DIMENSIONAL q - β DIFFERENCE OPERATOR** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **K.SARATH**, Reg.No. **BP200208** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.


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Submitted for Viva -Voce examination on 10.06.2022

Examiners:


Internal Examiner

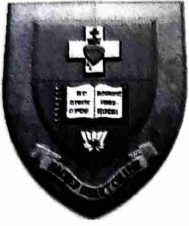
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Tirupattur-635 601. Vellore District.


Head of the Department

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Tiupattur-635 601. Tirupattur Dt.


External Examiner

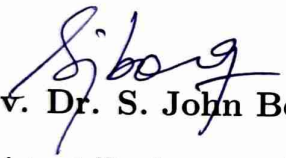
Dr.V. CHANDRASEKAR
Assistant Professor and Head
Department of Mathematics
Government Arts and Science College
Thennangur, Vandavasi - 604 403
Tiruvannamalai District.




PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

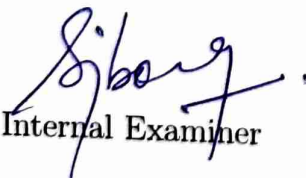
This is to certify that the project entitled **EPIDEMIC MODELING IN SEIR USING CONFORMABLE TRANSFORMS** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **T. THARANI**, Reg.No. **BP200209** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Rev. Dr. S. John Borg
Assistant Professor and PG HOD
Dr. S. JOHN BORG
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.


Head of the Department
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Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10/06/2022

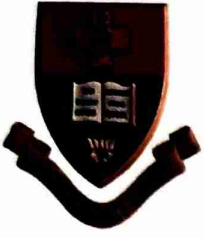
Examiners:


Internal Examiner

Dr. S. JOHN BORG
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.


External Examiner

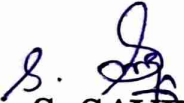
Dr. A. MOHAMED ALI
M.Sc., M.Phil., B.Ed., Ph.D., SLS
Associate Professor & Research Supervisor
PG and Research Department of Mathematics
Islamiah College (Autonomous)
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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "CRYPTANALYSIS WITH CLUBBING OF BINARY AND FIBONACCI PRIMES FOR MONOGRAPH AND DIGRAPH " being submitted to Sacred Heart College (Autonomous), Tirupattur, by KAVYA, Reg.No. BP200211 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

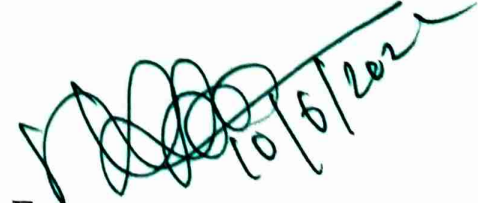

Mrs. S. SAVITHA
Assistant Professor


Rev. Dr. S. John Borg
Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
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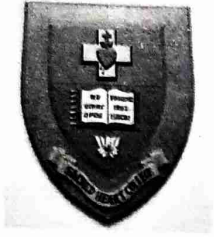
Submitted for Viva -Voce examination on 10/06/22

Examiners:


Internal Examiner


External Examiner

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PG and Research Department of Mathematics,
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CERTIFICATE

This is to certify that the project entitled "STUDY ON CUSTOMER BEHAVIOUR IN QUEUEING SYSTEM" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **NIRANJANI . P**, Reg.No. **BP200212** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

[Signature]
06/06/22

Dr. B. CHANDRASEKAR

Dr. B. CHANDRASEKAR,
Assistant Professor,
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Rev. Dr. **S. JOHN BORG**

Head of the Department
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Assistant Professor & PG - Head (Shift-II)
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Submitted for Viva -Voce examination on 10/06/22

Examiners:

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06/06/22

Internal Examiner

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10/06/2022

External Examiner

Dr. P. HARIPRABAKARAN
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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “Various Fractional-Order Schemes on SEIQR Epidemic Model” being submitted to Sacred Heart College (Autonomous), Tirupattur, by ARUN N, Reg.No. BP200213 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.


N. AVINASH


Supervisor
Mr. N. AVINASH
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tiupattur-635 601. Tirupattur Dt.


Rev. Dr. S. John Borg

Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
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Tiupattur-635 601. Tirupattur Dt.

Examiners:

Submitted for Viva -Voce examination on 10-6-2022


Internal Examiner

Mr. N. AVINASH
Assistant Professor,
PG and Research Dept. of Mathematics,
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Tiupattur-635 601. Tirupattur Dt.


External Examiner

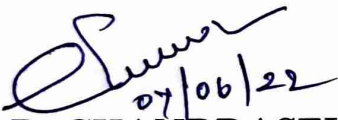
Dr.V. CHANDRASEKAR
Assistant Professor and Head
Department of Mathematics
Government Arts and Science College
Thennangur, Vandalur - 614 403
Tiruvannamalai District.



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

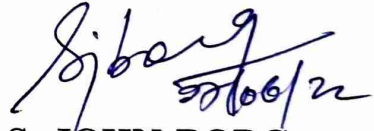
CERTIFICATE

This is to certify that the project entitled "ANALYSIS OF M/M/1 QUEUE SYSTEM WITH MULTIPLE VACATION AND SERVER BREAKDOWN" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SUGANTHI . A**, Reg.No. **BP200214** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


07/06/22

Dr. B. CHANDRASEKAR

Dr. B. CHANDRASEKAR,
Assistant Professor,
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Tirupattur, Vellore Dist. 635 601.


30/06/22

Rev. Dr. S. JOHN BORG

Head of the Department

Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10/06/22

Examiners:

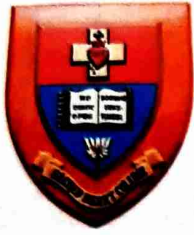

10/06/22

Internal Examiner


10/06/22

External Examiner

Dr. P. HARIPRABAKARAN
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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
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CERTIFICATE

This is to certify that the project entitled "DISCRETE LAPLACE TRANSFORM OF $\sin^n x$ AND ITS APPLICATIONS IN IVP" being submitted to Sacred Heart College (Autonomous), Tirupattur, by PRIYANGA A, Reg.No. BP200215 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Dr. B. GOVINDAN

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Tirupattur-635 601. Tirupattur Dt.



Head of **Dr. S. JOHN BERG**
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
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Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10/06/2022

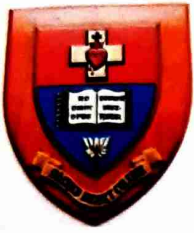
Examiners:


Internal Examiner

Dr. B. GOVINDAN, M.Sc., B.Ed., M.Phil., Ph.D.
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Tirupattur-635 601. Tirupattur Dt.


External Examiner

Dr. A. MOHAMED ALI,
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Associate Professor & Research Supervisor
PG and Research Department of Mathematics
Islamiah College (Autonomous)
Vaniyambadi - 635 752. (Vellore Dist.)



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "DISCRETE LAPLACE TRANSFORM OF $\sinh^n x$ AND ITS APPLICATIONS IN IVP" being submitted to Sacred Heart College (Autonomous), Tirupattur, by MALAVIKA L, Reg.No. BP200216 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

Dr. B. GOVINDAN

Assistant Professor

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Submitted for Viva -Voce examination on 10/06/2022

Examiners:

Internal Examiner

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Head of the Department

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External Examiner

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PG and Research Department of Mathematics,
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Vaniyambadi - 635 752. (Vellore Dist.)



PG and Research Department of Mathematics,
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Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "Various Fractional-Order Schemes on SEIQRS Epidemic Model" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **TAMIL ELAKKIYA P**, Reg.No. BP200218 for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


N. AVINASH

Supervisor

Mr. N. AVINASH
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tiupattur-635 601. Tirupattur Dt.


Examiners:

Submitted for Viva -Voce examination on 10.06.2022



Rev. Dr. S. John Borg

Head of the Department

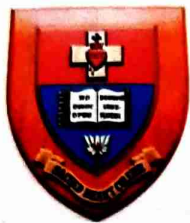
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
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Tiupattur-635 601. Tirupattur Dt.


Internal Examiner

Mr. N. AVINASH
Assistant Professor,
PG and Research Dept. of Mathematics,
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Tiupattur-635 601. Tirupattur Dt.


External Examiner

Dr.V. CHANDRASEKAR
Assistant Professor and Head
Department of Mathematics
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Thennangur, Vandavasi - 604 408
Tiruvannamalai District.



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**DISCRETE FRACTIONAL CALCULUS USING NABLA OPERATOR**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **ABINAYA S, Reg.No. BP200219** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

D. Saraswathi.
Miss. D.SARASWATHI
Assistant Professor

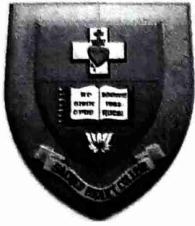
S. John Borg
Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10.06.2022

Examiners:

D. Saraswathi
Internal Examiner *10/06/2022.*


Dr. V. Chandrasekar
External Examiner
Dr.V. CHANDRASEKAR
Assistant Professor and Head
Department of Mathematics
Government Arts and Science College
Thennangur, Vandavasi - 604 403
Tiruvannamalai District.




PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

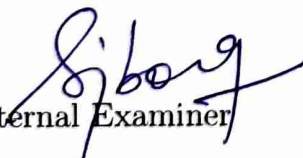
This is to certify that the project entitled **EPIDEMIC MODELING IN SEIQR USING CONFORMABLE TRANSFORMS** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **C.SINDHU**, Reg.No. **BP200220** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.



Rev. Dr. S. John Borg
Assistant Professor and PG head (Shift-II)
Dr. S. JOHN BORG
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

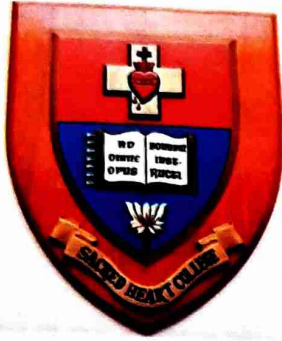

Head of the Department
Dr. S. JOHN BORG
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PG and Research Dept. of Mathematics,
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Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10/06/2022

Examiners:


Internal Examiner
Dr. S. JOHN BORG
Assistant Professor,
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Tirupattur-635 601. Tirupattur Dt.


External Examiner
Dr. A. MOHAMED ALI.
M.Sc., M.Phil., B.Ed., Ph.D., SLST,
Associate Professor & Research Supervisor
PG and Research Department of Mathematics
Islamiah College (Autonomous)
Vanivambadi - 635 752. (Vellore Dist.)



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "**SOME FUNDAMENTAL THEOREMS USING $q(\alpha)$ AND $q - h(\alpha)$ OPERATORS**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SARANYA N**, Reg.No. **BP200221** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

Dr. T. G. GERLY

Assistant Professor

Dr. T.G. Gerly

Assistant Professor

P.G. and Research Department of Mathematics

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Tirupattur-635 601. Vellore District.

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Examiners:

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Head of the Department

Dr. S. JOHN BORG

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Tirupattur-635 601. Tirupattur Dt.

External Examiner

Dr. A. MOHAMED

M.Sc., M.Phil., B.Ed., Ph.D.

Associate Professor & Research Supervisor

PG and Research Department of Mathematics

Islamiah College (Autonomous)

Vaniyambadi - 635 752. (Vellore Dist.)



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**DISCRETE FRACTIONAL CALCULUS USING DELTA OPERATOR**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **ARCHANA M, Reg.No. BP200222** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

D. Saraswathi

Miss. D.SARASWATHI

Assistant Professor

Dr. S. John Borg
26/06/22

Head of the Department

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Submitted for Viva -Voce examination on 10-6-2022

Examiners:

D. Saraswathi
10/06/2022

Internal Examiner

Dr. V. Chandrasekar
10/06/2022

External Examiner

Dr.V. CHANDRASEKAR
Assistant Professor and Head
Department of Mathematics
Government Arts and Science College
Thennangur, Vandavasi - 604 408
Tiruvannamalai District.



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "Various Fractional-Order Schemes on SEIQRDC Epidemic Model" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SENTHILKUMAR K**, Reg.No. **BP200223** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.


N. AVINASH

Supervisor

Mr. N. AVINASH
Assistant Professor,
PG and Research Dept. of Mathematics,
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Tirupattur-635 601. Tirupattur Dt.



Rev. Dr. S. John Borg

Head of the Department


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Examiners:

Submitted for Viva -Voce examination on 10-6-2022


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External Examiner

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Tiruvannamalai District.



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "The Skolem Mean Like Labeling For $K_{1,l} \wedge K_{1,l+5} \wedge P_{l+n}$, Where $l \geq 1, n \geq 6$ And $K_{1,l} \wedge K_{1,l+m} \wedge K_{1,l+n}, l < m > n$, Where $l < n$ And $K_{1,l} \wedge K_{1,l} \wedge K_{1,m} \wedge K_{1,n}, l \leq m < n$, Where $n = 2l + m - 8$ " being submitted to Sacred Heart College (Autonomous), Tirupattur, by **R.PRADEEP KUMAR**, Reg.No. BP200224 for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.

M. Thanigajalam
Mr.M.THANIGAJALAM

Assistant Professor

S. John Borg
Rev.Dr.S.JOHN BORG

Head of the Department

Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10.6.2022

Examiners:

M. Thanigajalam
Internal Examiner

V. R. D.
External Examiner



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "VARIOUS FRACTIONAL-ORDER SCHEMES OF SIDARTHE EPIDEMIC MODEL " being submitted to Sacred Heart College (Autonomous), Tirupattur, by R. DHINESH, Reg.No. BP200225 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.


Mr. N. Avinash

supervisor

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Assistant Professor,
PG and Research Dept. of Mathematics,
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Tiupattur-635 601. Tirupattur Dt.



Rev. Dr. S. John Borg

Head of the Department

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Tiupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10-6-2022

Examiners:


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External Examiner

Dr. V. CHANDRASEKAR
Assistant Professor and Head
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Tiruvannamalai District.



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Vellore Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**DIMENSION OF TETRA CYCLIC GRAPH STRUCTURES**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **KANISH KUMAR V, Reg.No. BP200226** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.

S. U. Vasanth
Dr. S. U. VASANTHAKUMAR

Assistant Professor
Dr. S. U. VASANTHAKUMAR
Asst. Professor and UG Head (Shift-II)
PG & Research Dept. of Mathematics,
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S. John Borg
Rev. **Dr. S. JOHN BORG**

Head of the Department
Dr. S. JOHN BORG
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Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10.6.22

Examiners:

S. U. Vasanth
Internal Examiner
10/06/22

V. J. ...
External Examiner
10/06/22



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "SKOLEM MEAN LIKE LABELING FOR CONNECTED SEVEN STAR GRAPH" being submitted to Sacred Heart College (Autonomous), Tirupattur, by M.ABINAYA, Reg.No.BP200228 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

S.U. Vasanth
Dr. S.U. Vasanthakumar

Assistant Professor
Dr. S.U. VASANTHAKUMAR
Asst. Professor and UG Head (Shift-II)
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S. John Borg
Rev. Dr. S. John Borg

Head of the Department
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Submitted for Viva -Voce examination on 10.6.2022

Examiners:

S.U. Vasanth
Internal Examiner


V. J. ...
External Examiner



PG and Research Department of Mathematics,
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Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "CRYPTO SYSTEM ALGORITHM USING PHONE KEYPAD CIPHER CODE FOR MONO GRAPH AND DIGRAPH " being submitted to Sacred Heart College (Autonomous), Tirupattur, by **KEERTHANA.V**, Reg.No. BP200229 for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Mrs. S. SAVITHA
(supervisor)

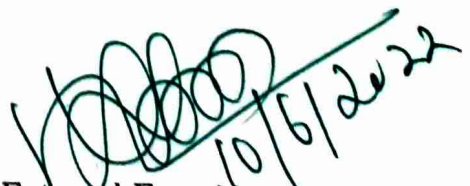

Head of the Department

Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Sacred Heart College,
Tiupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10/06/22

Examiners:


Internal Examiner


External Examiner

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Head, Department of Mathematics
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Tirupattur - 635 901.
☎ : 988 383 2662
E-mail: dr.hariprabakar@gmail.com



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "SUBSISTENCE OF SKOLEM MEAN LIKE LABELING FOR CONNECTED SIX STAR GRAPHS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **DIVYA BHARATHI G**, Reg.No. **BP200231** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.

Dr.S.U.Vasanthakumar

Assistant Professor

Dr. S.U. VASANTHAKUMAR
Asst. Professor and UG Head (Shift-II)
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601. Tirupattur Dt. TN.

Rev. Dr. S. John Borg

Head of the Department

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Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tiupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10.6.2022

Examiners:


Internal Examiner
External Examiner



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**STUDY ON CUSTOMER BEHAVIOUR IN OBSERVABLE AND BALKING QUEUEING SYSTEM**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SANTHOSHKUMAR . D**, Reg.No. **BP200232** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


09/06/22

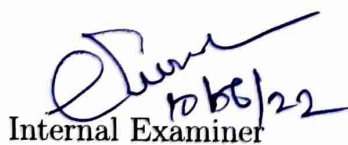
Dr. B. CHANDRASEKAR
Assistant Professor,
Dr. B. CHANDRASEKAR,
M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Vellore Dist. 635 601.


06/06/2022

Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Tiupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 20/06/22

Examiners:


10/06/22

Internal Examiner


10/06/2022

External Examiner

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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

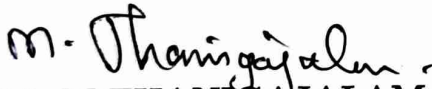
CERTIFICATE


This is to certify that the project entitled "The Skolem Mean Like Labeling For $K_{1,l} \wedge K_{1,l+6} \wedge P_{l+7}$ And

$K_{1,l} \wedge K_{1,l+6} \wedge K_{1,l+5}$, $l < m > n$ where $l < n$ And

$K_{1,l} \wedge K_{1,l} \wedge K_{1,m} \wedge K_{1,n}$ $l \leq m < n$ where $n = 2l + m - 9$ "

being submitted to Sacred Heart College (Autonomous), Tirupattur, by **S.SIVASAKTHI**, Reg.No. **BP200233** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Mr. M. THANIGAJALAM
Assistant Professor


Rev. Dr. **S. JOHN BORG**
Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
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Submitted for Viva -Voce examination on 10.6.2022

Examiners:


Internal Examiner


External Examiner



PG and Research Department of Mathematics,
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CERTIFICATE

This is to certify that the project entitled "DIMENSION OF A TETRA CYCLIC PENDENT GRAPH STRUCTURES" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SRI ANISH E, Reg.No. BP200234 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.

S.U. Vasanth
Dr. S.U. Vasanthakumar

Assistant Professor

Dr. S.U. VASANTHAKUMAR
Asst. Professor and UG Head (Shift-II)
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Sacred Heart College (Autonomous),
Tirupattur-635 601. Tirupattur Dt. TN.

S. John Borg
Rev. Dr. S. John Borg

Head of the Department

Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10.6.2022

Examiners:

S.U. Vasanth
10/06/22
Internal Examiner

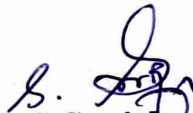
S. John Borg
10/6/22
External Examiner




PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**RELIABILITY MODELS ON THE LIFETIME OF MOBILE PHONES**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **M.ARUNKUMAR**, Reg.No. **BP200235** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.

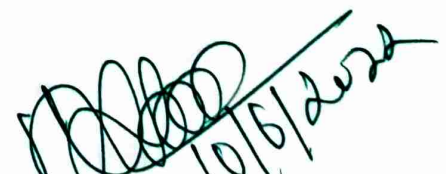

Mrs.S.Savitha
Assistant professor


Rev. Dr. S. John Borg
Head of the Department
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Assistant Professor & PG - Head (Shift-II),
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Submitted for Viva -Voce examination on 10/06/22

Examiners:


Internal Examiner


External Examiner
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PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "**The Skolem Mean Like Labeling For $K_{1,l} \wedge K_{1,l+7} \wedge P_{l+8}$ And**


$K_{1,l} \wedge K_{1,l+2} \wedge K_{1,l+1}$, $l < m > n$ where $l < n$ And

$K_{1,l} \wedge K_{1,l} \wedge K_{1,m} \wedge K_{1,n}$ $l \leq m < n$ where $n = 2l + m - 10$ "

being submitted to Sacred Heart College (Autonomous), Tirupattur, by **K.KALAIYARASI**, Reg.No. **BP200236** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Mr. M. THANIGAJALAM

Assistant Professor


Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on _____ 10.6.2022 _____

Examiners:


Internal Examiner


External Examiner



PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**FUNDAMENTAL THEOREMS IN DISCRETE FRACTIONAL CALCULUS USING NABLA OPERATOR**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **RAYMOND A, Reg.No. BP200237** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by him, under my guidance and supervision.

D. Saraswathi

Miss. D. Saraswathi

Assistant Professor

S. John Borg
06/06/2022
Head of the Department
Dr. S. JOHN BORG
Assistant Professor & PG - Head (Shift-II),
PG and Research Dept. of Mathematics,
Sacred Heart College,
Tirupattur-635 601. Tirupattur Dt.

Submitted for Viva -Voce examination on 10.06.2022

Examiners:

D. Saraswathi
10/06/2022
Internal Examiner

Dr. V. Chandrasekar
10/06/2022
External Examiner
Dr. V. CHANDRASEKAR
Assistant Professor and Head
Department of Mathematics
Government Arts and Science College,
Thennangur, Vandavasi - 604 403
Tiruvannamalai District.