

SACRED HEART COLLEGE (AUTONOMOUS) TIRU
DEPARTMENT OF MATHEMATICS
II - M.Sc.MATHEMATICS PROJECT TITLES

S.No	Reg. No	NAME
1	AP210201	MANIKANDAN A
2	AP210202	SHERLEY VANISHA S
3	AP210203	RAGAVI S
4	AP210204	NAVEEN KUMAR J
5	AP210205	JENIPER V
6	AP210206	PRISCILLA RINA L
7	AP210207	ELAVARASAN R
8	AP210208	JAGATHESH KUMAR C M
9	AP210209	DON RICHARD S
10	AP210210	MAYURI NAKUM N
11	AP210211	AKASHKUMAR S
12	AP210212	SWEETON CHRISTOBER K
13	AP210213	SUDHAN P
14	AP210214	ABIRAMI S
15	AP210215	ANBUMATHI M
16	AP210216	PUNITHA G
17	AP210217	PERIYANNAN D
18	AP210218	PAUL BOSCO F
19	AP210219	MARIA ANAND L
20	AP210220	AAISHA SIDDIQUA M A
21	AP210221	NAVEENKUMAR S
22	AP210222	RISLEY SAM R
23	AP210223	JAYARAJ L
24	AP210224	SAGAYARAJ D
25	AP210225	SINDHU T
26	AP210226	JERINA ANTO J
27	AP210227	LIDIYA JOY J
28	AP210230	AJITH P
29	AP210231	GOKUL S
30	AP210232	AARTHI P
31	AP210233	KISHOR C
32	AP210234	CHARLES XAVIO A
33	AP210235	ANUJA M R
34	AP210236	JOSI JERINE A
35	AP210237	BANUPRIYA S
36	AP210238	DANIEL PRAVEEN RAJ K
37	AP210239	VINOTHINI S
38	AP210240	ABINAYA CHRISTI Y J

PATTUR - 635 601

CS

2022 - 2023

GUIDE NAME
Dr. A. George Maria Selvam
Dr. A. George Maria Selvam
Dr. G. Britto Antony Xavier
Dr. M. Antony Arockiasamy
Mr. S. Joseph
Dr.R. Murali
Dr. M. Antony Arockiasamy
Dr. Ajay D
Dr. G. Britto Antony Xavier
Mr. S. Joseph
Dr.R. Murali
Dr. V. Balaji
Dr.S. Kalaiarasi
Dr.R. Murali
Dr. P. Manoharan
Dr. V. Balaji
Dr. P. Manoharan
Dr.A. Merciline Anita
Dr.S. Kalaiarasi
Rev. Dr. S. John Borg
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Dr. Ajay D
Dr. G. Britto Antony Xavier
Rev. Dr. S. John Borg
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Mr. S. Joseph
Dr.R. Murali
Dr. M. Antony Arockiasamy
Dr. Ajay D
Dr. P. Manoharan
Dr.S. Kalaiarasi
Dr.S. Kalaiarasi
Mr. S. Joseph

SACRED HEART COLLEGE (Autonomous) - TIRUPATTUR**DEPARTMENT OF MATHEMATICS - SHIFT II****II M.Sc Mathematics - Project Details 2022-23****List of Internal Examiners**

S.No	Guide Name	Reg.No	Name	No. of Students
1	Dr. S.U. Vasanthakumar	BP220220	PUVIZHI S	2
		BP220221	SANDHIYA M	
2	Mrs. S. Savitha	BP210206	MONIKA P	3
		BP210213	GAYATHRI A	
		BP210227	SATHISH S	
3	Dr. B. Govindan	BP210208	KAMALANATHAN S	3
		BP210218	SURYA T	
		BP210223	KANIMOZHI C	
4	Dr. B. Chandrasekar	BP210207	SHARULATHA N	3
		BP210212	SABITHA P	
		BP210225	THIRUMURUKAN D	
5	Dr. T.G. Gerly	BP210201	MEERA E	3
		BP210215	RAMYA N	
		BP210217	PRIYA K	
6	Mr.M.Thanigajalam	BP210204	NITHYA M	3
		BP210210	BALACHANDER S	
		BP210211	KAVIARASU M	
7	Ms.D. Saraswathi	BP210209	POOVENDHAN K	3
		BP210229	PRIYANKA S	
		BP210230	JAYASMILIE J	
8	Mr.N. Avinash	BP210214	KARUNA M	3
		BP210219	KAMAR TAJ D	
		BP210226	PRIYADHARSHINI D	
9	Rev. Dr. T. Sathinathan Thomas	BP210205	VINOTHINI S	2
		BP210216	SOWMIYA A	
			Total	25

Kamar Taj D (BP210219) has not submitted the project (Long Absent)

HoD

SACRED HEART COLLEGE (AUTONOMOUS) TIRU
DEPARTMENT OF MATHEMATICS
II - M.Sc.MATHEMATICS PROJECT TITLES

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37	AP210239	VINOTHINI S
38	AP210240	ABINAYA CHRISTI Y J

PATTUR - 635 601

CS

2022 - 2023

PROJECT TITLE
NETWORK THEORY AND ITS APPLICATIONS
MODELLING INFLUENZA H3N2 WITH SEIR MODEL
FUNDAMENTAL THEOREM OF HIGHER ORDER GENERALISED DIFFERENCE EQUATIONS
TOPOLOGICAL INDICES OF LINE GRAPH OF THE FIRECRACKER GRAPH
DUALITY IN LINEAR PROGRAMMING
APPLICATIONS OF SAWI TRANSFORM
KNIGHT TOUR CRYPTOSYSTEM
PENTAPARTITIONED NEUTROSOPHIC ON SAW METHOD
CAYLEY DIGRAPH OF HIGHER ORDER DERIVATIVES OF COSINE FUNCTION
TRANSPORTATION PROBLEMS
SOHAM TRANSFORMATION TECHNIQUES
CONCEPTS OF INTUITIONISTIC ILLUSTRATION IN FUZZY SET
THE ALENEZI TRANSFORMS
TOPICS ON DINESH VERMA TRANSFORMS
AN ANALYSIS ON REIDEMEISTER MOVES, ALEXANDER POLYNOMIALS AND KAUFFMAN BRACKETS IN KNOT
SEVERAL FINDINGS ON SKOLEM MEAN LABELING
FOURIER TRANSFORM AND IT'S APPLICATIONS
APPLICATION OF ERLANG LOSS MODEL IN CALL CENTERS
THE SEE TRANSFORMS
CAYLEY DIGRAPH OF THE GROUP GENERATED BY DIFFERENTIAL EQUATIONS
A STUDY ON SYSTEM RELIABILITY USING MARKOV MODEL AND IT'S APPLICATIONS
TOPSIS PENTAPARTITIONED NEUTROSOPHIC MODEL
CAYLEY DIGRAPHS OF HIGHER ORDER DERIVATIVES OF SINE FUNCTION
CAYLEY DIGRAPHS OF THE GROUP GENERATED BY HIGHER ORDER DERIVATIVES
STUDY ON RELAXED MEAN AND CORDIAL LABELING
AN MCDM BASED ON NEUTROSOPHIC ANALYTIC HIERARCHY PROCESS FOR OPTING HIGHER EDUCATION
MATHEMATICAL MODELING OF LAKE POLLUTION USING DIFFERENTIAL EQUATIONS
ANALYSIS OF DISCRETE MODEL OF COVID-19 SPREAD USING SPREADSHEET
DOMINATION IN GRAPH
FUNDAMENTAL THEOREMS ON DIFFERENCE EQUATIONS
BREADTH FIRST SEARCH SPANNING TREES FOR COMPLETE GRAPH
ROHIT TRANSFORM AND ITS APPLICATIONS
WIENER INDICES OF STAIRCASE AND AZTEC DIAMOND GRAPHS
ELECTRE PENTAPARTITIONED NEUTROSOPHIC MODEL
DEGREE BASED TOPOLOGICAL INDICES OF DODECANE ISOMERS
CRYPTOGRAPHY USING KNIGHT'S TOUR
ANALYSIS OF DIMENSION OF VECTOR SPACES
GRAPH COLOURING

GUIDE NAME
Dr. A. George Maria Selvam
Dr. A. George Maria Selvam
Dr. G. Britto Antony Xavier
Dr. M. Antony Arockiasamy
Mr. S. Joseph
Dr.R. Murali
Dr. M. Antony Arockiasamy
Dr. Ajay D
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Dr. Ajay D
Dr. P. Manoharan
Dr.S. Kalaiarasi
Dr.S. Kalaiarasi
Mr. S. Joseph

Department of Mathematics (Shift - II)
PG Project Title: II-M.Sc Mathematics Shift - 2 (Batch 2021-2023)

S.No	REG.NO	NAME	Project Title
1	BP210201	MEERA E	SOLUTION OF q-FIBONACCI EQUATION AND ITS APPLICATION IN SPIDER WEB
2	BP210204	NITHYA M	Skolem Mean Like Labeling Graph For $k_1;l \wedge k_1;l \wedge k_1;m \wedge k_1;n$, $1 \leq m \leq n$, $n = 2l + m - 6$, $n = 2l + m - 7$ And $k_1;l \wedge k_1;l \wedge k_1;l \wedge k_1;m \wedge k_1;n$, $1 \leq m \leq n$, $n = 3l + m - 2$, $n = 3l + m - 3$
3	BP210205	VINOTHINI S	FUNDAMENTAL THEOREMS FOR HIGHER ORDER DIFFERENCE EQUATION BY USING BINOMIAL EXPANSION
4	BP210206	MONIKA P	SIR MODEL FOR THE GROWTH OF CANCER CELLS USING RUNGE-KUTTA METHOD AT THE EARLIER STAGES
5	BP210207	SHARULATHA N	ANALYSIS OF M/M/1 QUEUEING MODEL WITH CATASTROPHICAL EVENTS
6	BP210208	KAMALANATHAN S	DISCRETE DOUBLE LAPLACE TRANSFORM OF $\sin nx$ & \sin^nx
7	BP210209	POOVENDHAN K	FUNDAMENTAL THEOREMS USING DELTA DIFFERENCE OPERATOR
8	BP210210	BALACHANDER S	Skolem Mean Like Labeling for $k_1;l \wedge k_1;l \wedge k_1;m \wedge k_1;n$, $1 \leq m \leq n$, $n = 2l + m - 4$, $n = 2l + m - 8$ And $k_1;l \wedge k_1;l \wedge k_1;l \wedge k_1;m \wedge k_1;n$, $1 \leq m \leq n$, $n = 3l + m$, $n = 3l + m - 1$
9	BP210211	KAVIARASU M	Skolem Mean Like Labeling Graph For $k_1;l \wedge k_1;l \wedge k_1;m \wedge k_1;n$, $1 \leq m \leq n$, $n = 2l + m - 5$, $n = 2l + m - 9$ And $k_1;l \wedge k_1;l \wedge k_1;l \wedge k_1;m \wedge k_1;n$, $1 \leq m \leq n$, $n = 3l + m - 4$, $n = 3l + m - 5$
10	BP210212	SABITHA P	STUDY ON M/G/1 QUEUE WITH TWO STAGE SERVICES

11	BP210213	GAYATHRI	ANALYSIS OF TEIR MODEL FOR TUBERCULOSIS USING RUNGE KUTTA METHOD
12	BP210214	KARUNA M	A STUDY OF NEW VARIANT OMICRON IN CAPUTO TYPE FRACTIONAL DERIVATIVE USING DIFFUSION COEFFICIENT
13	BP210215	RAMYA N	FRACTIONAL ORDER q -FIBONACCI EQUATION AND ITS APPLICATION IN PLANTS
14	BP210216	SOWMIYA A	FUNDAMENTAL THEOREMS FOR DELTA- α DIFFERENCE EQUATION BY USING BINOMIAL EXPANSION
15	BP210217	PRIYA K	INFINITE SUM OF FRACTIONAL ORDER USING ' $1 - \alpha$ ' FIBONACCI OPERATOR
16	BP210218	SURYA T	DISCRETE DOUBLE LAPLACE TRANSFORM OF $\cos h nx$ & $\sin h nx$
17	BP210220	PUVIZHI S	SKOLEM MEAN LIKE LABELING FOR CONNECTED SIX STAR GRAPH
18	BP210221	SANDHIYA M	SKOLEM MEAN LIKE LABELING FOR CONNECTED SEVEN STAR GRAPH
19	BP210223	KANIMOZHI C	DISCRETE DOUBLE LAPLACE TRANSFORM OF $\cos nx$ & $\cos^n x$
20	BP210225	THIRUMURUGAN D	BERNOULLI - BASED QUEUEING MODEL WORKING VACATIONS, INTERRUPTED VACATION AND BALKING
21	BP210226	PRIYADHARSHINI D	MATHEMATICAL MODELING OF HIV/AIDS WITH FUZZY FRACTIONAL ORDER EPIDEMIC MODEL
22	BP210227	SATHISH S	ENCRYPTION AND DECRYPTION OF DIGRAPH AND TRIGRAPH USING ASCII CODE ALGORITHM

23	BP210229	PRIYANKA S	SOLUTION OF THE DIFFERENCE EQUATIONS IN EXPONENTIAL FUNCTION
24	BP210230	JAYASMILIE J	FUNDAMENTAL THEOREMS IN DISCRETE FRACTIONAL CALCULUS USING Δ^c OPERATOR

HoD

Principal



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

CERTIFICATE

This is to certify that the project entitled "NETWORK THEORY AND ITS APPLICATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by MANIKANDAN A, Reg.No: AP210201 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.

Date: 05/04/2023


Dr. A. George Maria Selvam

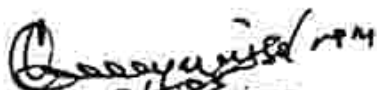
Associate Professor
Dr. A. GEORGE MARIA SELVAM,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


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 05/05/2023

Examiners:


Internal Examiner

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


05/5/23
External Examiner

Dr. ZAHIRUDEEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi - 635 752.



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

CERTIFICATE

This is to certify that the project entitled "MODELLING INFLUENZA H_3N_2 WITH SEIR MODEL" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **SHERLEY VANISHA S**, Reg.No: AP210202 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: 01-04-2023


Dr. A. George Maria Selvam

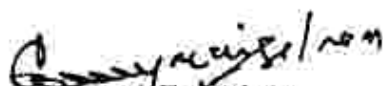
Associate Professor
Dr. A. GEORGE MARIA SELVAM
Associate Professor & Head,
Dept. of Mathematics
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


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 08/05/2023

Examiners:


Internal Examiner

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


08/05/23
External Examiner

Dr. ZAHIRUDEEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi - 635 752.



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

CERTIFICATE

This is certify that the project entitled "FUNDAMENTAL THEOREM OF HIGHER ORDER GENERALIZED DIFFERENCE EQUATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by S. RAGAVI, Reg. No. AP210203 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: 31-03-2023


01/04/2023
Dr. G. Britto Antony Xavier,


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


03/04
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 08/05/2023

Examiners:


08/5/26
Internal Examiner

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


815/23
External Examiner

Dr. P. PUVVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mill's College
GUDIYATTAM - 632 602, Vr.Dt.,



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

CERTIFICATE

This is to certify that the project entitled "TOPOLOGICAL INDICES OF LINE GRAPH OF THE FIRECRACKER GRAPH" being submitted to Sacred Heart College (Autonomous), Tirupattur, by NAVEEN KUMAR J, Reg.No: AP210204 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.

Date: 03/04/2023


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 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 08-05-2023

Examiners:

Internal Examiner


08/05/23
External Examiner



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

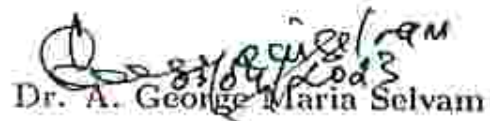
CERTIFICATE

This is to certify that the project entitled "DUALITY IN LINEAR PROGRAMMING" being submitted to Sacred Heart College (Autonomous), Tirupattur, by JENIPER V, Reg.No: AP210205 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: 03.04.2023


Mr. S. Joseph
03/04/2023
Associate Professor

S. JOSEPH, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.


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 08/05/2023

Examiners:


Internal Examiner
08/05/2023

S. JOSEPH, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.


External Examiner
08/05/2023





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

CERTIFICATE

This is to certify that the project entitled "APPLICATIONS OF SAWI TRANSFORM" being submitted to Sacred Heart College (Autonomous), Tirupattur, by PRISCILLA RINA L, Reg.No: AP210206 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: 11.04.23



Dr. R. Murali
Dr. R. MURALI
Associate Professor
PG and Research, Dept. of Mathematics,
Sacred Heart College,
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 8.5.2023

Examiners:


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


External Examiner
08/05/2023




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

CERTIFICATE

This is certify that the project entitled "KNIGHT TOUR CRYPTOSYSTEM" being submitted to Sacred Heart College (Autonomous), Tirupattur, by ELAVARASAN R, Reg.No: AP210207 for the partial fulfillment for the award of Degree of MASTER OF SCIENCE IN MATHEMATCS is a bonafide record of the work carried out by him, under my guidance and supervision.

Date: 03/04/2023


Dr. M. Antony Arocklasamy

Assistant Professor
Dr. M. Antony Arocklasamy
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 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 08-05-2023

Examiners:

Internal Examiner


08/05/23
External Examiner



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

CERTIFICATE

This is to certify that the project entitled "PENTAPARTITIONED NEUTROSOPHIC SAW METHOD" being submitted to Sacred Heart College (Autonomous), Tirupattur, by JAGATHESH KUMAR C M, Reg. No. AP210208 for the partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bona fide record of the work carried out by him, under my guidance and supervision.

Date: 10-04-2023


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 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 the examination on 08-05-2023

Examiners:


Internal Examiner

Dr. D. AJAY
Assistant Professor

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


08/05/23
External Examiner

Dr. ZAHIRUDDEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambaram - 635 752.



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

CERTIFICATE

This is certify that the project entitled "CAYLEY DIAGRAPHS OF HIGHER ORDER DERIVATIVES OF COSINE FUNCTION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by S. DON RICHARD, Reg.No. AP210209 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.

Date: 31/03/23


Dr. G. Britto Antony Xavier,

Associate Professor

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


Dr. A. George Maria Selvam,

Head of the Department

Dr. A. GEORGE MARIA SELVAM,
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Submitted for Viva - Voce examination on 08/05/2023

Examiners:


Internal Examiner

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External Examiner

Dr. P.PUVVI ARASU,
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Assistant Professor
Department of Mathematics
Government Tirumagal Mill's College
GUDAYATTAM - 632 602, Vr.Dt.,



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

CERTIFICATE

This is certify that the project entitled "TRANSPORTATION PROBLEMS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by MAYURI NAKUM. N , Reg. No. AP210210 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: 03.04.2023


03/04/2023

Mr. S. JOSEPH

Associate Professor, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.


03/04/2023

Dr. A. George Maria Selvam,


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Submitted for Viva - Voce examination on 08/05/2023

Examiners:


08/05/2023

S. JOSEPH, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.


08/05/2023

External Examiner



P.G and Research Department of Mathematics,
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CERTIFICATE

This is to certify that the project entitled "SOHAM TRANSFORMATION TECHNIQUES" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **AKASHKUMAR S**, Reg.No: AP210211 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.

Date: 5/4/2023


Dr. R. Murali

5.4.2023
Assoc. **Dr. R. MURALI**
Associate Professor & U.G. Head
PG and Research, Dept. of Mathematics,
Sacred Heart College,
Tirupattur, ~~Vellore~~ Dt. - 635 601.


Dr. A. George Maria Selvam

Head of the Department

Dr. A. GEORGE MARIA SELVAM,
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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - Voce examination on 8.5.2023

Examiners:


Internal Examiner

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Tirupattur, ~~Vellore~~ Dt. - 635 601.


External Examiner



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

CERTIFICATE

This is certify that the project entitled "CONCEPTS OF INTUITIONISTIC ILLUSTRATION IN FUZZY SETS " being submitted to Sacred Heart College (Autonomous), Tirupattur, by **K. SWEETON CHRISTOBER**, Reg. No. AP210212 for the partial fulfillment for the award of Degree of **MASTER OF SCIENCE IN MATHEMATCS** is a bonafide record of the work carried out by him, under my guidance and supervision.

Date: 05.04.2023


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,
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Tirupattur-63 5601. Tirupattur Dt.


Dr. A. George Maria Selvam,

Head of the Department

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Submitted for Viva - Voce examination on 08-05-2023

Examiners:


Internal Examiner

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External Examiner



P.G and Research Department of Mathematics,
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Tirupattur (Dt) - 635 601.

CERTIFICATE

This is certify that the project entitled "THE ALENEZI TRANSFORMS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SUDHAN P, Reg.No. AP210213 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.

Date: 05.04.2023

S. Kalaiarasi
05/04/23
Dr. S. KALAIARASI,

Assistant Professor
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.

A. George Maria Selvam
05/04/2023
Dr. A. George Maria Selvam,

Head of the Department
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Submitted for Viva - Voce examination on 08.05.2023

Examiners:

S. Kalaiarasi
08/05/23
Internal Examiner

Dr. S. KALAIARASI, M.Sc., M.Phil., Ph.D.,
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P. Puvvi Arasu
08/05/23
External Examiner

Dr. P. PUVVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mill's College
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CERTIFICATE

This is to certify that the project entitled "TOPICS ON DINESH VERMA TRANSFORM" being submitted to Sacred Heart College (Autonomous), Tirupattur, by ABIRAMI S, Reg.No: AP210214 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: 10.04.2023


Dr. R. Murali
10 **DR. R. MURALI**
Associate Professor & U.G. Head
PG and Research, Dept. of Mathematics,
Sacred Heart College,
Tirupattur, Dt. - 635 601.



Dr. A. George Maria Selvam

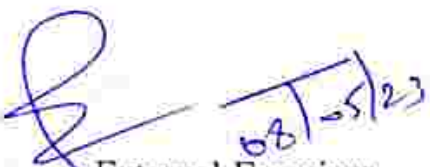
Head of the Department

Dr. A. GEORGE MARIA SELVAM,
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Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - Voce examination on 8/5/2023

Examiners:


Internal Examiner
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Associate Professor & U.G. Head
PG and Research, Dept. of Mathematics,
Sacred Heart College,
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External Examiner



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

CERTIFICATE

This is to certify that the project entitled "AN ANALYSIS ON REIDEMEISTER MOVES, ALEXANDER POLYNOMIALS AND KAUFFMAN BRACKETS IN KNOT THEORY" being submitted to Sacred Heart College (Autonomous), Tirupattur, by ANBUMATHI M., Reg. No. AP210215 for the partial fulfilment 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 : 08/04/2023


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 02/05

Examiners:

Internal Examiner


Dr. P. MANOHARAN
Associate Professor,
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Sacred Heart College (Autonomous),
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External Examiner
Dr. P. PUVVI ARASU,
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Assistant Professor
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P.G and Research Department of Mathematics,
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Tirupattur (Dt) - 635 601.

CERTIFICATE

This is to certify that the project entitled "SEVERAL FINDINGS ON SKOLEM MEAN LABELING" being submitted to Sacred Heart College (Autonomous), Tirupattur, by PUNITHA G, Reg.No: AP210216 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: 05.04.2023


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.

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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - Voce examination on 08-05-2023

Examiners:


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External Examiner



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

CERTIFICATE

This is certify that the project entitled "THE APPLICATION OF ERLANG LOSS MODEL IN CALL CENTRES" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **F. PAUL BOSCO**, Reg.No.AP210218 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.

Date: 10/04/23



Dr. A. Merceline Anita,

Assistant Professor

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



Dr. A. George Maria Selvam,

Head of the Department
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Submitted for Viva - Voce examination on 08/05/2023

Examiners:


08/05/2023

Internal Examiner

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08/05/23

External Examiner

Dr. ZAHIRUDDEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi



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

CERTIFICATE

This is certify that the project entitled "THE SEE TRANSFORMS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by MARIA ANAND L, Reg.No. AP210219 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.

Date: 05.04.2023

S. Kalaiarasi 05/04/23

Dr. S. KALAIARASI,

Assistant Professor,
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.

George Maria Selvam 05/04/2023
Dr. A. George Maria Selvam,

Head of the Department

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Submitted for Viva - Voce examination on - 08.05.2023

Examiners:

S. Kalaiarasi 08/05/23

Internal Examiner

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Sacred Heart College (Autonomous),
Tirupattur-635 601, Tirupattur Dt. TN.

P. Puviharasu 08/05/23
External Examiner

Dr. P.PUVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mill's College
GUDIYATTAM - 632 602.Vlr.Dt.,



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

CERTIFICATE

This is certify that the project entitled "CAYLEY DIGRAPHS OF THE GROUP GENERATED BY DIFFERENTIAL EQUATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by M. A. AAISHA SIDDIQUA, Reg. No. AP210220 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: 31-03-23.


Dr. S. JOHN BORG,

Dr. S. JOHN BORG
Assistant Professor

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


Dr. A. George Maria Selvam,

Head of the Department

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Submitted for Viva - Voce examination on 8/05/2023

Examiners:


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08/05/2023
External Examiner

Dr. ZAHIRUDDIN, M.Sc., M.Phil., Ph.D.,
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Islamiah College (Autonomous),
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P.G 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 SYSTEM RELIABILITY USING MARKOV MODEL AND ITS APPLICATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by NAVEENKUMAR S, Reg.No: AP210221 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.

Date: 10/04/2023

Dr. A. MERCELINE ANITA

Assistant Professor

Dr. A. Merceline Anita

M.Sc., M.Phil., SET, Ph.D.

Research Supervisor & Assistant Professor
PG & Research Dept. of Mathematics
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Dr. A. GEORGE MARIA SELVAM

Dr. A. GEORGE MARIA SELVAM

Associate Professor & Head,

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Submitted for Viva - Voce examination on 08/05/2023

Examiners:

08/05/2023

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08/05/23
External Examiner

Dr. ZAHIRUDDIN, M.Sc., M.Phil., Ph.D.,

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

CERTIFICATE

This is to certify that the project entitled "PENTAPARTITIONED NEUTROSOPHIC FUZZY SET IN TOPSIS METHOD" being submitted to Sacred Heart College (Autonomous), Tirupattur, by R. RISLEY SAM, Reg.No.AP210222 for the partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bona fide record of the work carried out by him, under my guidance and supervision.

Date: 10.04.2023


Dr. D. Ajay,

Assistant Professor
Dr. D. AJAY
Assistant Professor
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Submitted for Viva - Voce examination on 08-05-2023


Examiners:


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Dr. A. George Maria Selvam,

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Dr. A. GEORGE MARIA SELVAM,
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08/05/23
External Examiner

Dr. ZAHIRUDDEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi-635 752.



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

CERTIFICATE

This is certify that the project entitled "CAYLEY DIAGRAPHS OF HIGHER ORDER DERIVATIVES OF SINE FUNCTION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **L. JAYARAJ**, Reg. No. AP210223 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.

Date: 31/03/2022


01/04/2023
Dr. G. Britto Antony Xavier,

Associate Professor

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


02/04/2023
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 08/05/2023

Examiners:


08/5/23
Internal Examiner

G. BRITTO ANTONY XAVIER
Associate Professor,
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Sacred Heart College,
Tirupattur-635 601, Tirupattur Dt.


9/5/23
External Examiner

Dr. P. PUVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mill's College
GUDIYATTAM - 632 602.Vlr.Dt.,



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

CERTIFICATE

This is certify that the project entitled "CAYLEY DIAGRAPHS OF THE GROUP GENERATED BY HIGHER ORDER DERIVATIVES" being submitted to Sacred Heart College (Autonomous), Tirupattur, by D. SAGAYARAJ, Reg. No. AP210224 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.

Date: 03/04/2023


Dr. S. JOHN BORG.

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


Dr. A. GEORGE MARIA SELVAM,

Head of the Department
Dr. A. GEORGE MARIA SELVAM,
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Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - Voce examination on 08.05.2023

Examiners:


Internal Examiner

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External Examiner

Dr. ZAHIRUDDEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi-635 752.



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

CERTIFICATE

This is certify that the project entitled "STUDY ON RELAXED MEAN AND CORDIAL LABELING" being submitted to Sacred Heart College (Autonomous), Tirupattur, by SINDHU T, Reg.No.AP210225 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: 05.04.2023


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,
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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.

Submitted for Viva - Voce examination on 08/05/23

Examiners:


Internal Examiner

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External Examiner



P.G and Research Department of Mathematics,
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Tirupattur (Dt) - 635 601.

CERTIFICATE

This is certify that the project entitled "AN MCDM BASED ON NEUTROSOPHIC ANALYTIC HIERARCHY PROCESS FOR OPTING HIGHER EDUCATION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **JERINA ANTO J**, Reg. No. **AP210226** 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: 05/04/2023


05/04/2023

Dr. A. Merceline Anita,

Assist **Dr. A. Merceline Anita**
M.Sc., M.Phil., SET, Ph.D.
Research Supervisor & Assistant Professor
PG & Research Dept. of Mathematics
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur Dt., (TN)


05/04/2023

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 - Voce examination on 08/05/2023

Examiners:


08/05/2023

Internal Examiner

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Research Supervisor & Assistant Professor
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Tirupattur-635 601, Tirupattur Dt., (TN)


08/05/2023

External Examiner

Dr. ZAHIRUDDIEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous),
Vaniyambadi - 635 75



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

CERTIFICATE

This is certify that the project entitled "MATHEMATICAL MODELLING OF LAKE POLLUTION USING DIFFERENTIAL EQUATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **LIDIYA JOY J**, Reg.No: **AP210227** 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: **05-04-2023**.


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 02/05

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. ZARIRUDDOEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi-635 752.



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

CERTIFICATE

This is to certify that the project entitled "ANALYSIS OF DISCRETE MODEL OF COVID-19 SPREAD USING SPREADSHEET" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **AJITH P**, Reg.No: **AP210230** 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.

Date: 10/04/2023


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 22/05

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. ZAHIRUDDIN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vanlyambadi-635 752.



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

CERTIFICATE

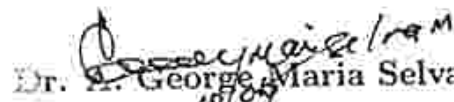
This is certify that the project entitled "DOMINATION IN GRAPH " being submitted to Sacred Heart College (Autonomous), Tirupattur, by S. GOKUL, Reg. No. AP210231 for the partial fulfillment for the award of Degree of MASTER OF SCIENCE IN MATHEMATICS in a bonafide record of the work carried out by him, under my guidance and supervision.

Date: 10/04/2023


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,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.


Submitted for Viva - Voce examination on

08/05

Examiners:


Internal Examiner

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


External Examiner
Dr. P. PUVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mil's College
GUDIYATTAM - 632 602.Vlr.Dt.,




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

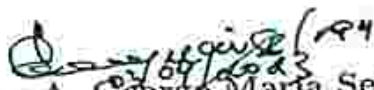
CERTIFICATE

This is certify that the project entitled "FUNDAMENTAL THEOREM OF DIFFERENCE EQUATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by P. AARTHI, Reg. No. AP210232 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: 31-03-23


d/04/2023
Dr. G. Britto Antony Xavier,
Associate Professor

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


d/04/2023
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 08/05/2023

Examiners:


08/5/23
Internal Examiner

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


08/5/23
External Examiner

Dr. P. PUVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mill's College
GUDIYATTAM - 632 602. Tir.Dt.,



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

CERTIFICATE

This is certify that the project entitled "BREADTH FIRST SEARCH SPANNING TREES FOR COMPLETE GRAPH" being submitted to Sacred Heart College (Autonomous), Tirupattur, by KISHOR. C, Reg. No. AP210233 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.

Date: 03.04.2023

Mr. S. Joseph,

Associate Professor, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.

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 08/05/2023

Examiners:

Internal Examiner

S. JOSEPH, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.

External Examiner



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

CERTIFICATE

This is to certify that the project entitled "ROHIT TRANSFORM AND ITS APPLICATIONS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by CHARLES XAVIO A, Reg.No: AP210234 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.

Date: 03/04/2023

R. Murali
Dr. R. Murali

3/4/2023

Associate Professor

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

A. George Maria Selvam
03/04

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

8.5.2023

Examiners:

R. Murali
Internal Examiner

8/5/2023
Dr. R. MURALI

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

A. George Maria Selvam
08/5/23
External Examiner



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

CERTIFICATE

This is to certify that the project entitled "WIENER INDICES OF STAIRCASE AND AZTEC DIAMOND GRAPHS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by ANUJA M R, Reg.No: AP210235 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: 05/09/23


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 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 08-05-2023

Examiners:

Internal Examiner


External Examiner



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

CERTIFICATE

This is to certify that the project entitled "ELECTRE METHOD WITH PENTAPARTITIONED NEUTROSOPHIC FUZZY SET" being submitted to Sacred Heart College (Autonomous), Tirupattur, by A. JOSI JERINE, Reg.No.AP210236 for the partial fulfillment for the award of degree of MASTER OF SCIENCE IN MATHEMATICS is a bona fide record of the work carried out by him, under my guidance and supervision.

Date: 10.04.2023


Dr. D. Ajay,

Assistant Professor

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

Examiners:


Internal Examiner

Dr. D. AJAY
Assistant Professor
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tir-635 601, 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-Voce examination on 08-05-2023


08/05/2023
External Examiner

Dr. ZAHIRUDDEN, M.Sc., M.Phil., Ph.D.,
Assistant Professor of Mathematics,
Islamiah College (Autonomous)
Vaniyambadi - 635 752.



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

CERTIFICATE

This is certify that the project entitled "DEGREE BASED TOPOLOGICAL INDICES OF DODECANE ISOMERS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by BANUPRIYA S, Reg.No. AP210237 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. 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,
Associate Professor & Head,
Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt. 635 601.

Submitted for Viva - Voce examination on

08/05

Examiners:


Internal Examiner

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


External Examiner
Dr. P. J. ARASU
B.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mil's College
GUDIYATTAM - 632 602.Vir.Dt.,



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

CERTIFICATE

This is to certify that the project entitled "CRYPTOGRAPHY USING KNIGHT'S TOUR" being submitted to Sacred Heart College (Autonomous), Tirupattur, by DANIEL PRAVEEN RAJ K, Reg.No: AP210238 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.

Date: 05/04/2023

S. Kalaiarasi
05/04/23
Dr. S. KALAIARASI

Assistant Professor
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. A. George Maria Selvam
05/04/2023
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 08.05.2023

Examiners:

S. Kalaiarasi
08/05/23
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. P. Puvir Arasu
08/05/23
External Examiner

Dr. P. PUVI ARASU,
M.Sc, M.Phil, B.Ed, Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mill's College
GUDIVATTAM - 632 602, Vir.Dt.,



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

CERTIFICATE

This is to certify that the project entitled “ANALYSIS OF DIMENSION OF VECTOR SPACES” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **VINOTHINI S., Reg. No. AP210239** for the partial fulfilment 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: 05.04.2023


05/04/23

Dr. S. Kalaiarasi,

Assistant professor


05/04/2023

Dr. A. George Maria Selvam,

Head of the Department

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. 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 08.05.2023

Examiners:


08/05/23

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.


8/5/23

External Examiner

Dr. P. PUVVI ARASU,
M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor
Department of Mathematics
Government Thirumagal Mil's College
GUDIYATTAM - 632 602, Vir. Dt.,



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

CERTIFICATE

This is to certify that the project entitled "GRAPH COLOURING"
being submitted to Sacred Heart College (Autonomous), Tirupattur, by
ABINAYA CHRISTI Y J, Reg.No: **AP210240** 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: **03/04/2023**


Mr. S. Joseph

S. JOSEPH, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.


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 **08/05/2023**

Examiners:


Internal Examiner

S. JOSEPH, M.Sc., M.Phil.,
Associate Professor in Mathematics,
Sacred Heart College (Autonomous)
Tirupattur - 635 601.
Tirupattur District, Tamil Nadu.


External Examiner

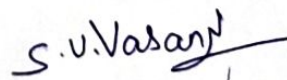


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "SOLUTION OF q -FIBONACCI EQUATION AND ITS APPLICATION IN SPIDER WEB" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **E.MEERA**, Reg.No. BP210201 for the partial fulfilment 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
P.G. and Research Department of Mathematics
Sacred Heart College (Autonomous)
Tirupattur-635 601. Vellore District.


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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner


External Examiner
18/04/2023

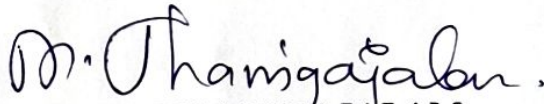
Dr. A. MOHAMED ALI
M.Sc., M.Phil., B.Ed., Ph.D., Sr.
Associate Professor & Research Supervisor
PG and Research Department of Mathematics
Islamiah College (Autonomous)
Vaniyambadi - 635 752. (Vellore Dist.)

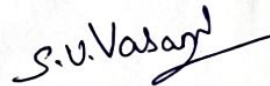


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**The Skolem Mean Like Labeling For $k_{1,l} \wedge k_{1,l} \wedge k_{1,m} \wedge k_{1,n}$, $l \leq m \leq n$, $n = 2l + m - 6$, $n = 2l + m - 7$ And $k_{1,l} \wedge k_{1,l} \wedge k_{1,l} \wedge k_{1,m} \wedge k_{1,n}$, $l \leq m \leq n$, $n = 3l + m - 2$, $n = 3l + m - 3$ ” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **M.NITHYA**, Reg.No. **BP210204** 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


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

Submitted for Viva -Voce examination on 18/04/2023

Examiners:


Internal Examiner


External Examiner
Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics,
Government Arts College (A)
Salem-636 007.

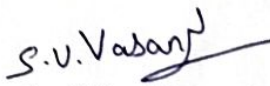


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "**FUNDAMENTAL THEOREMS FOR HIGHER ORDER DIFFERENCE EQUATION BY USING BINOMIAL EXPANSION**" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **S. VINOTHINI, Reg.No. BP210205** 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. SATHINATHAN
Assistant Professor
Dr. T. SATHINATHAN
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601, Tirupattur Dt.


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

Submitted for Viva -Voce examination on ----- 18/04/23 -----

Examiners:

Internal Examiner


External Examiner

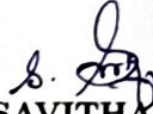
Dr. A. MOHAMED ALI
M.Sc., M.Phil., B.Ed., Ph.D.
Associate Professor & Research Supervisor
PG and Research Department of Mathematics
Islamiah College (Autonomous)
Weniyambodi - 635 752 (Vellore Dist)



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

CERTIFICATE

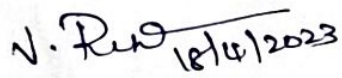
This is to certify that the project entitled “**SIR MODEL FOR THE GROWTH OF CANCER CELLS USING RUNGE KUTTA METHOD AT THE EARLIER STAGES** ” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **P . MONIKA** , Reg.No. **BP210206** for the partial fulfillment for the award of degree of **MASTER OF SCIENCE** in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.


Mrs. S. SAVITHA, M.Sc., M.Phil., B.Ed., Assistant Professor
Head of the Department
Dr. S.U. VASANTHAKUMAR
Asst. Professor and PG Head (Shift-II)
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601, Tirupattur Dt. TN.

Submitted for Viva -Voce examination on 18.04.2023

Examiners:


Internal Examiner

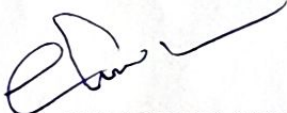

External Examiner
Dr. V. RAJESWARI
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
DON BOSCO COLLEGE
DHARMAPURI-636 809.

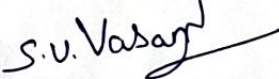


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

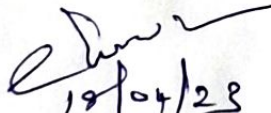
This is to certify that the project entitled "ANALYSIS OF M/M/1 QUEUING MODEL WITH CATASTROPHICAL EVENTS" being submitted to Sacred Heart College (Autonomous), Tirupattur, by N. SHARULATHA, Reg. No. BP210207 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by her, under my guidance and supervision.



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


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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


18/04/23
Internal Examiner


18-04-23
External Examiner
Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics,
Government Arts College (A)
Salem-636 007.



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

CERTIFICATE

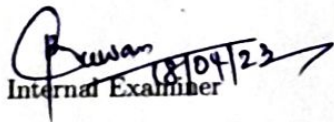
This is to certify that the project entitled "DISCRETE DOUBLE LAPLACE TRANSFORM OF $\sin nx$ & $\sin^n x$ " being submitted to Sacred Heart College (Autonomous), Tirupattur, by S. KAMALANATHAN, Reg.No. BP210208 for the partial fulfillment for the award of degree of MASTER OF SCIENCE in Mathematics is a bonafide record of the work carried out by his, under my guidance and supervision.


Dr. B. Govindan

Assistant Professor
Dr. B. GOVINDAN
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Vellore Dist. 635 601.

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner


External Examiner

Dr. A. MOHAMED ALI
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 **FUNDEMENTAL THEOREMS USING DELTA DIFFERENCE OPERATOR** being submitted to Sacred Heart College (Autonomous), Tirupattur, by **K. POOVENDHAN**, Reg.No. **BP210209** 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.


Miss D. SARASWATHI

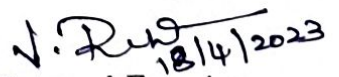
Assistant Professor


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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner


External Examiner

Dr. V. RAJESWARI
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
DON BOSCO COLLEGE
DHARMAPURI-636 809.



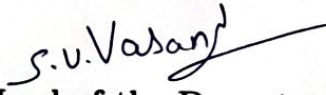
PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "The Skolem Mean Like Labeling Graph For $k_{1,l} \wedge k_{1,l} \wedge k_{1,m} \wedge k_{1,n}$, $l \leq m \leq n$, $n = 2l + m - 4, n = 2l + m - 8$ And $K_{1,l} \wedge k_{1,l} \wedge k_{1,l} \wedge k_{1,m} \wedge k_{1,n}$, $l \leq m \leq n$, $n = 3l + m, n = 3l + m - 1$ being submitted to Sacred Heart College (Autonomous), Tirupattur, by S.Balachander, Reg.No. BP210210 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


Head of the Department

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

Submitted for Viva -Voce examination on 18/04/2023-----

Examiners:


Internal Examiner


External Examiner

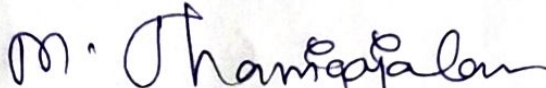
Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics
Government Arts College (A)
Salem-636 007.

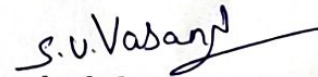


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "The Skolem Mean Like Labeling Graph For $k_{1,l} \wedge k_{1,l} \wedge k_{1,m} \wedge k_{1,n}$, $l \leq m \leq n$, $n = 2l + m - 5, n = 2l + m - 9$ And $k_{1,l} \wedge k_{1,l} \wedge k_{1,l} \wedge k_{1,m} \wedge k_{1,n}$, $l \leq m \leq n$, $n = 3l + m - 4, n = 3l + m - 5$ " being submitted to Sacred Heart College (Autonomous), Tirupattur, by M.KAVIARASU, Reg.No. BP210211 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


Head of the Department
Dr. S.U. VASANTHAKUMAR
Asst. Professor and PG Head (Shift-II)
PG & Research Dept. of Mathematics,
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Submitted for Viva -Voce examination on 12/02/2023

Examiners:


Internal Examiner


External Examiner
Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics,
Government Arts College (A)
Salem-636 007.



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 M/G/1 QUEUE WITH TWO STAGE SERVICES " being submitted to Sacred Heart College (Autonomous), Tirupattur, by P. SABITHA, Reg.No. BP210212 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. CHANDRASEKAR


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


Dr. S.U. VASANTHAKUMAR

Head of the Department
Dr. S.U. VASANTHAKUMAR
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PG & Research Dept. of Mathematics,
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Submitted for Viva -Voce examination on 18/04/22

Examiners:


18/04/24
Internal Examiner


External Examiner

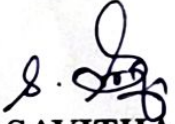
Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics,
Government Arts College (A)
Saalem-636 007.

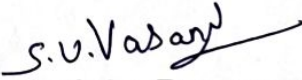


PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "ANALYSIS OF TEIR MODEL FOR TUBERCULOSIS USING RUNGE KUTTA METHOD " being submitted to Sacred Heart College (Autonomous), Tirupattur, by **GAYATHRI. A, Reg.No. BP210213** 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.

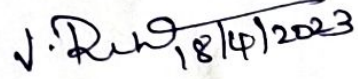

Mrs. SAVITHA, M. Sc., M. Phil., B. ED.,
Assistant Professor and UG Head,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt.


Head of the Department
Dr. S.U. VASANTHAKUMAR
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Tirupattur-635 601, Tirupattur Dt. TN.

Submitted for Viva -Voce examination on 18.04.2023

Examiners:


Internal Examiner


External Examiner
Dr. V. RAJESWARI
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
DON BOSCO COLLEGE
DHARMAPURI-636 809.



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

CERTIFICATE

This is to certify that the project entitled "A STUDY OF NEW VARIANT OMICRON IN CAPUTO TYPE FRACTIONAL DERIVATIVE USING DIFFUSION COEFFICIENT" being submitted to Sacred Heart College (Autonomous), Tirupattur, by M.KARUNA, Reg.No. BP210214 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. N. AVINASH, M.Sc., NET.,
Assistant Professor

Head of the Department

Dr. S.U. VASANTHAKUMAR
Asst. Professor and PG Head (Shift-II)
PG & Research Dept. of Mathematics,
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Submitted for Viva -Voce examination on 18/04/23

Examiners:

Internal Examiner
External Examiner

Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics,
Government Arts College (A)
Salem-636 007.



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

CERTIFICATE

This is to certify that the project entitled “**FRACTIONAL ORDER q-FIBONACCI EQUATION AND ITS APPLICATION IN PLANTS**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **N. RAMYA**, Reg.No. **BP210215** 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. GERLY
Dr. T.G. Gerly
Assistant Professor

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

Head of the Department

Dr. S.U. VASANTHAKUMAR
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PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601, Tirupattur Dt. TN.

Submitted for Viva -Voce examination on ----- 18/04/23 -----

Examiners:

Internal Examiner

18/04/23

External Examiner

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



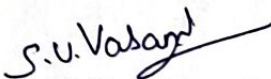
PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "FUNDAMENTAL THEOREMS FOR DELTA-a DIFFERENCE EQUATION BY USING BINOMIAL EXPANSION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by A. SOWMIYA, Reg.No. BP210216 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. SATHINATHAN

Assistant Professor
Dr. T. SATHINATHAN
Assistant Professor,
PG and Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur-635 601, Tirupattur Dt.


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

Submitted for Viva -Voce examination on 18/04/23

Examiners:

Internal Examiner


18/04/2023

External Examiner

Dr. A. MOHAMED ALI
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.)



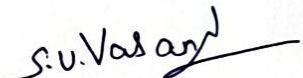
PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled "INFINITE SUM OF FRACTIONAL ORDER USING ' $\ell - \alpha$ ' FIBONACCI OPERATOR AND ITS APPLICATION IN VIRUS MUTATION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **K.PRIYA**, Reg.No. BP210217 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)
Tirupattur-635 601. Vellore District.


Head of the Department

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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner


External Examiner

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



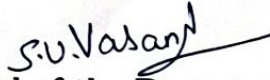
PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

CERTIFICATE

This is to certify that the project entitled “**DISCRETE DOUBLE LAPLACE TRANSFORM OF $\cosh nx$ & $\sinh nx$** ” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **T. SURYA**, Reg.No. **BP210218** 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 his, under my guidance and supervision.


Dr. B. Govindan

Assistant Professor
Dr. B. GOVINDAN
Assistant Professor
PG & Research Dept of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Vellore Dist 635 601.


Head of the Department

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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner


External Examiner

Dr. A. MOHAMED ALI
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 "SKOLEM MEAN LIKE LABELING FOR CONNECTED SIX STAR GRAPH" being submitted to Sacred Heart College (Autonomous), Tirupattur, by S.PUVIZHI, Reg.No. BP210220 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. VASANTHA KUMAR, M.Sc., M.Phil., Ph.D.
Assistant Professor,
Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, (Vr.Dt.) - 635 601.

Submitted for Viva -Voce examination on 18/04/23

Examiners:

S.U. Vasanth
Internal Examiner

S.U. Vasanth

Head of the Department

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

V. Rajeswari 18/4/2023
External Examiner

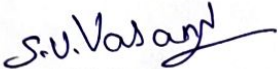
Dr. V. RAJESWARI
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
DON BOSCO COLLEGE
DHARMAPURI-636 809.



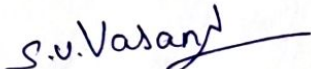
PG and Research Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Tirupattur Dt - 635 601.

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.SANDHIYA, Reg.No. BP210221 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

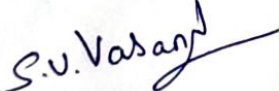
Assistant Professor
Dr. S.U. VASANTHAKUMAR, M.Sc., M.Phil., Ph.D.
Assistant Professor,
Department of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, (Vir.Dt.) - 635 601.

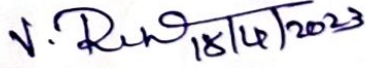

Head of the Department

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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner

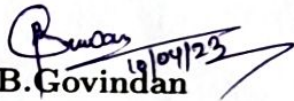

External Examiner
Dr. V. RAJESWARI
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
DON BOSCO COLLEGE
DHARMAPURI-636 809.



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 DOUBLE LAPLACE TRANSFORM OF $\cos nx$ & $\cos^n x$ " being submitted to Sacred Heart College (Autonomous), Tirupattur, by C. KANIMOZHI, Reg.No. BP210223 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

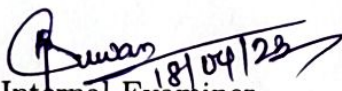
Assistant Professor
DR. B. GOVINDAN
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous),
Tirupattur, Vellore Dist. 635 601.

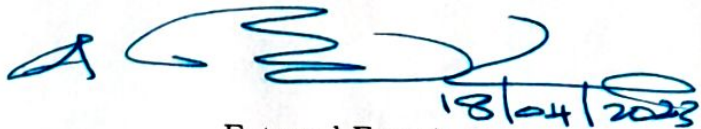

Head of the Department

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

Submitted for Viva -Voce examination on 18/04/23

Examiners:


Internal Examiner


External Examiner

Dr. A. MOHAMED ALI
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 "BERNOULLI - BASED QUEUEING MODEL WORKING VACATIONS, INTERRUPTED VACATION AND BALKING " being submitted to Sacred Heart College (Autonomous), Tirupattur, by D. THIRUMURUKAN, Reg.No. BP210225 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. CHANDRASEKAR
Dr. B. CHANDRASEKAR,
Assistant Professor,
M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor,
PG & Research Dept. of Mathematics,
Sacred Heart College (Autonomous)
Tirupattur, Vellore Dist. 635 601.

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

Submitted for Viva -Voce examination on 18/04/23

Examiners:

18/04/23
Internal Examiner
External Examiner

Dr. R. Vikrama Prasad,
Assistant Professor,
PG & Research Dept. of Mathematics,
Government Arts College (A)
Salem-636 007.



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

CERTIFICATE

This is to certify that the project entitled "MATHEMATICAL MODELING OF HIV/AIDS WITH FUZZY FRACTIONAL ORDER EPIDEMIC MODEL" being submitted to Sacred Heart College (Autonomous), Tirupattur, by **D. PRIYADHARSHINI, Reg.No. BP210226** 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.

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CERTIFICATE

This is to certify that the project entitled “**ENCRYPTION AND DECRYPTION OF DIGRAPH AND TRIGRAPH USING ASCII CODE ALGORITHM**” being submitted to Sacred Heart College (Autonomous), Tirupattur, by **S. SATHISH**, Reg.No. **BP210227** 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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This is to certify that the project entitled "SOLUTION OF THE DIFFERENCE EQUATIONS IN EXPONENTIAL FUNCTION" being submitted to Sacred Heart College (Autonomous), Tirupattur, by S. PRIYANKA, Reg.No. BP210229 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.

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CERTIFICATE

This is to certify that the project entitled "FUNDAMENTAL THEOREMS IN DISCRETE FRACTIONAL CALCULUS USING Δ_t OPERATOR" being submitted to Sacred Heart College (Autonomous), Tirupattur, by J. JAYASMILIE, Reg.No. BP210230 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.

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