



Sri Sarada College For Women

(An Autonomous Institution)

(Reaccredited with “A” grade by NAAC)

Institution included u/s 2(f) and 12(B) of UGC

Affiliated to Manonmaniam Sundaranar University

(A branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Tirunelveli Thoothukudi –High Road, Maharaja Nagar Post,
Tirunelveli- 627 011.



1.2.5 PG PROJECT

2022-2023

TRAUMA OF WOMEN IN SHASHI DESHPANDE'S *THAT LONG SILENCE*

Project submitted to

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli- 627 012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,
TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

A.LAKSHMIMEERA

Register No: 2021PEN04



Under the Guidance of

Lt S. CHITHRA M.A., M.Phil., DPTE., DGT.

Assistant Professor,

Department of English

&

Associate NCC

Officer

Sri Sarada College for Women (Autonomous),

TIRUNELVELI - 627 011.

NOVEMBER - 2022

LT S. CHITHRA M.A., M.Phil., DPTE., DGT.
Assistant Professor,
Department of English,
&
Associate NCC Officer
Sri Sarada College for Women (Autonomous),
Tirunelveli- 627 011

CERTIFICATE

This is to certify that the project titled "TRAUMA OF WOMEN IN SHASHI
DESHPANDE'S *THAT LONG SILENCE*" is a bonafide work carried out by Selvi A.
LAKSHMIMEERA of Sri Sarada College for Women (Autonomous), Tirunelveli-
627011 during the academic year 2022-2023 in partial fulfillment of the requirements for the
award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar
University, Tirunelveli 627011.


Principal


PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011


Head of the Department

HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


Project Supervisor


Internal Examiner


External Examiner

DR.R.SELVI, M.A., M.Phil., B.Ed
PGDMTE, Ph.D
Associate Professor,
Dept. of English & Research Cent
Sarah Tucker College (Autonomous)
Tirunelveli - 627 007.



A. LAKSHMIMEERA
Register No: 2021PEN04,
M.A English,
Department of English,
Sri Sarada College for Women(Autonomous)
Tirunelveli- 627 011.

DECLARATION

I do hereby declare that the project titled “**TRAUMA OF WOMEN IN SHASHI DESHPANDE’S *THAT LONG SILENCE*** submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the guidance and supervision of **Lt S. CHITHRA, M.A., M.Phil, DPTE, DGT.,** Assistant Professor , Department of English, & Associate NCC Officer, Sri Sarada College for Women (Autonomous) Tirunelveli- 627 011, Tamil Nadu, India, and it has not been submitted/published for the award of any Degree, Diploma, Associate ship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



Place: Tirunelveli
Date: 11.11.22

A. Lakshmimeera 11.11.22
Signature of the Candidate

(A.LAKSHMIMEERA)

S. Chitra
Signature of the Project Supervisor
(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our Secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings. I express my deep sense of gratitude to **Dr.N.Kamala, M.Com, M.Phil, Ph.D., NET, PGDCA., CGT Principal**, for the motivation offered for carrying out this project.

I express my heartfelt thanks to **Dr.N.Renuka, M.A.,M.Phil.,Ph.D,** Associate Professor & Head,Department of English for providing the necessary facilities in the Department.

I profusely submit my sincere thanks humbly to my guide and supervisor **Lt S. CHITHRA, M.A., M.Phil., DPTE., DGT.,** for her valuable guidance, criticalcorrection, and consistent encouragement at every work phase of this project.

I further extend my sincere thanks to all faculty members of our department for their timely help and support in completing this project.

I wish to express my deep sense of gratitude to my beloved parents for having given me the courage and enthusiasm to take up this venture and also to my dear friends for their kind cooperation and timely help directly and indirectly.

**THE AFFILIATION OF PLEASURE AND PAIN IN JOHN
GREEN'S *THE FAULT IN OUR STARS***

Project submitted to

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

E. SELVI

Register No: 2021PEN09



Under the Guidance of

Smt. M. LALITHA, M.A., M.Phil., B.Ed., DGT.

Assistant Professor,

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Dr. E. Selvi, M.A., M.Phil., B.Ed., DGT.
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NOVEMBER - 2022

Smt. M. LALITHA, M.A., M.Phil., B.Ed., DGT.
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Tirunelveli – 627 011.

CERTIFICATE


This is to certify that the project titled **THE AFFILIATION OF PLEASURE AND PAIN IN JOHN GREEN'S *THE FAULT IN OUR STARS*** is a bonafide work carried out by Selvi. E. SELVI of Sri Sarada College for Women (Autonomous), Tirunelveli- 627011 during the academic year 2022-23 in partial fulfillment of the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar University, Tirunelveli 627011.


Principal

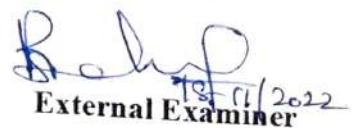
PRINCIPAL
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(Autonomous)
TIRUNELVELI - 627 011


11.11.22

Head of the Department
HEAD, DEPARTMENT OF ENGLISH
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TIRUNELVELI-627 011.


Project Supervisor


Internal Examiner


External Examiner

DR. R. SELVI, M.A., M.Phil., B.Ed.,
Associate Professor,
Dept. of English & Research Centre
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Tirunelveli - 627 007.



E. SELVI
Register No: 2021PEN09,
M.A. English,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627011.

DECLARATION

I do hereby declare that the project titled **THE AFFILIATION OF PLEASURE AND PAIN IN JOHN GREEN'S *THE FAULT IN OUR STARS*** submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the guidance and supervision of **Smt.M.LALITHA, M.A., M.Phil., B.Ed., DGT Assistant Professor of Department of English, Sri Sarada College for Women (Autonomous) Tirunelveli- 627 011, Tamil Nadu, India,** and it has not been submitted/published for the award of any Degree, Diploma, Associateship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



E. Selvi
11/11/2022

Signature of the Candidate
(E. SELVI)

Place: Tirunelveli
Date: 11.11.2022

M. Lalitha
11/11/22
Signature of the Project Supervisor

(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings. I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT** Principal, for the motivation offered for carrying out this project.

I express my heartfelt thanks to **Dr. N. Renuka, M.A., M.Phil., CGT., PGDMTE., Ph.D** Head, Department of English for providing the necessary facilities in the Department.

I profusely submit my sincere thanks humbly to my guide **Smt.M.LALITHA, M.A., M.Phil., B.Ed., DGT** for her valuable guidance, critical correction, and consistent encouragement at every phase of this project.

I further extend my sincere thanks to all faculty members of our department for their timely help and support in completing this project.

I wish to express my deep sense of gratitude to my beloved parents for having given me the courage and enthusiasm to take up this venture and also to my dear friends for their kind cooperation and timely help directly and indirectly.

SCRUTINIZING ENGLISH LANGUAGE TEACHING AND LEARNING IN DIFFERENT MEDIUMS OF SCHOOLS

Project submitted to

**SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)**

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

S. V.LISHISUBHASINY

Register No: 2021PEN05



Under the Guidance of

Dr. (Smt) N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.

Associate Professor & Head

Department of English

Sri Sarada College for Women (Autonomous)

TIRUNELVELI - 627 011

NOVEMBER - 2022

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Associate Professor & Head
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627 011.

CERTIFICATE


This is to certify that the project titled **SCRUTINIZING ENGLISH LANGUAGE TEACHING AND LEARNING IN DIFFERENT MEDIUMS OF SCHOOLS** is a bonafide work carried out by **Selvi S.V.LISHISUBHASINY** of Sri Sarada College for Women (Autonomous), Tirunelveli- 627011 during the academic year 2022-23 in partial fulfillment of the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar University, Tirunelveli 627011.


Principal

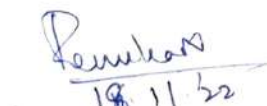
PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011


11. 11. '22

Head of the Department
HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN
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TIRUNELVELI-627 011.


11. 11. '22

Project Supervisor


18. 11. '22
Internal Examiner


12. 11. '22
External Examiner

DR.R.SELVI, M.A., M.Phil., B.Ed.,
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Tirunelveli - 627 007.

S. V. LISHISUBHASINY
Register No: 2021PEN05,
M.A. English,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627011.

DECLARATION

I do hereby declare that the project titled **SCRUTINIZING ENGLISH LANGUAGE TEACHING AND LEARNING IN DIFFERENT MEDIUMS OF SCHOOLS** submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the guidance and supervision of **Dr. N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.,** Associate Professor & Head of Department of English, Sri Sarada College for Women (Autonomous) Tirunelveli- 627 011, Tamil Nadu, India, and it has not been submitted/published for the award of any Degree, Diploma, Associateship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



S.V. Lishisubhasiny
11/11/2022
Signature of the Candidate
(S. V. LISHISUBHASINY)

Place: Tirunelveli
Date: *11.11.2022*

Renuka
11.11.22

Signature of the Project Supervisor
(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings. I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT** Principal, for the motivation offered for carrying out this project.

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**HARBOURING BIG DREAMS AMIDST PATRIARCHY
AND INEQUALITY IN PREETI SHENOY'S *RULE*
*BREAKERS***

Project submitted to

**SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)**

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

In partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

From Manonmaniam Sundaranar University, Tirunelveli-627012

Submitted by

P. DEVI KARUMARI

Register No: 2021PEN02



Under the Guidance of

Dr. (Smt). N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.

Associate Professor & Head

Department of English

Sri Sarada College for Women (Autonomous)

TIRUNELVELI - 627 011

NOVEMBER - 2022

DR. R. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.
Associate Professor & Head
Dept. of English & Research Centre
Sri Sarada College (Autonomous)
Tirunelveli - 627 011

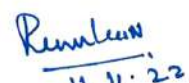
Dr. (Smt). N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.
Associate Professor & Head,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627 011.


CERTIFICATE

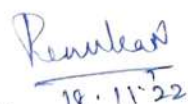
This is to certify that the project titled **HARBOURING BIG DREAMS ADMIST PATRIARCHY AND INEQUALITY IN PREETI SHENOY'S RULE BREAKERS** is a bonafide work carried out by Selvi. P.DEVI KARUMARI of Sri Sarada College for Women (Autonomous), Tirunelveli-627011 during the academic year 2022-23 in partial fulfillment of the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar University, Tirunelveli 627011.


Principal

PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011


Head of the Department
HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN,
(AUTONOMOUS)
TIRUNELVELI-627 011.


Project Supervisor


Internal Examiner


External Examiner



DR.R.SELVI, M.A., M.Phil., Ph.D.
Associate Professor,
Dept. of English & Research Centre
Sri Sarada College (Autonomous)
Tirunelveli - 627 007.

P. DEVI KARUMARI

Register No: 2021PEN02,

M.A. English,

Department of English,

Sri Sarada College for Women (Autonomous),

Tirunelveli – 627011.

DECLARATION

I do here by declare that the project titled “**HARBOURING BIG DREAMS ADMIST PATRIARCHY AND INEQUALITY IN PREETI SHENOY’S *RULE BREAKERS***” submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the guidance and supervision of **Dr. N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.,** Head& Assistant Professor of English, Sri Sarada College for Women (Autonomous) Tirunelveli-627 011, Tamil Nadu, India, and it has not been submitted/published for the award of any Degree, Diploma, Associate ship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



Place: Tirunelveli

P. Devi Karumari 11.11.2022
Signature of the Candidate Date:

(P. DEVI KARUMARI)

Renuka
11.11.22

Signature of the Project Supervisor

(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings. I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT** Principal, for the motivation offered for carrying out this project.

I express my heartfelt thanks to **Dr. N. Renuka, M.A., M.Phil., CGT., PGDMTE., Ph.D.** Head, Department of English for providing the necessary facilities in the Department.

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**THE THEORY OF SURVIVAL OF THE FITTEST
EXPLORED IN CORMAC MCCARTHY'S *THE ROAD*
AND MAX BROOKS' *WORLD WAR Z*: A
COMPARATIVE STUDY**

Project submitted to

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

D.SHANMUGALAKSHMI

Register No: 2021PEN10



Under the Guidance of

Dr. (Smt). N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.

Associate Professor & Head

Department of English

Sri Sarada College for Women (Autonomous)

TIRUNELVELI – 627 011

NOVEMBER - 2022

DR. R. SIVAKUMAR, Ph.D.
Associate Professor
Dept. of English & Research Centre
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Tirunelveli - 627 011

Dr. (Smt) N. RENUKA, M.A. M.Phil. CGT. PGDMTE. Ph.D.
Associate professor & Head
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627 011.

CERTIFICATE

This is to certify that the project titled **THE THEORY OF SURVIVAL OF THE FITTEST EXPLORED IN CORMAC MCCARTHY'S *THE ROAD* AND MAX BROOKS' *WORLD WAR Z*: A COMPARATIVE STUDY** is a bonafide work carried out by **Selvi.D.SHANMUGALAKSHMI** of Sri Sarada College for Women (Autonomous), Tirunelveli- 627011 during the academic year 2022-23 in partial fulfillment of the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar University, Tirunelveli 627011.



Principal

PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

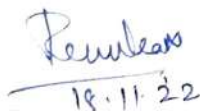


Head of the Department

HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.



Project Supervisor



Internal Examiner



External Examiner

DR.R.SELVI, M.A., M.Phil., Ph.D.
Associate Professor,
Dept. of English & Research Cell
Sri Sarada College (Autonomous)
Tirunelveli - 627 007.



D.SHANMUGALAKSHMI
Register No: 2021PEN10,
M.A. English,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627011.

DECLARATION

I do hereby declare that the project titled “**THE THEORY OF SURVIVAL OF THE FITTEST EXPLORED IN CORMAC McCARTHY’S *THE ROAD* AND MAX BROOKS’ *WORLD WAR Z: A COMPARATIVE STUDY*”** submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the guidance and supervision of **Dr. N. RENUKA, M.A., M.Phil., CGT., PGDMTE., Ph.D.,** Associate Professor & Head of Department of English, Sri Sarada College for Women (Autonomous) Tirunelveli- 627 011, Tamil Nadu, India, and it has not been submitted/published for the award of any Degree, Diploma, Associateship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



Renuka

Place: Tirunelveli

Date: 11.11.2022

D. Shanmugalakshmi/11.11.2022
Signature of the Candidate
(D.SHANMUGALAKSHMI)

Renuka
11.11.22

Signature of the Project Supervisor

(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings. I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT** Principal, for the motivation offered for carrying out this project.

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DEPICTION OF SUBJUCATION IN AMINATTA FORNA'S

"THE MEMORY OF LOVE"

Project submitted to

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Re-Accredited with „A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

A.MALATHI

Register No: 2021PEN06



Under the Guidance of

Smt. T. ANNALAKSHMI, M.A., MA (Hindi)., DGT.

Assistant Professor

Department of English

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TIRUNELVELI – 627 011

NOVEMBER-2022

30.11.2022
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Assistant Professor
Department of English
Sri Sarada College for Women (Autonomous)
Tirunelveli - 627 011

Smt. T.ANNALAKSHMI, MA., MA (HINDI), DGT.
Assistant Professor,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli - 627 011.

CERTIFICATE

This is to certify that the project titled **DEPICTION OF SUBJUCATION IN AMINATTA FORNA'S THE MEMEORY OF LOVE** is a bonafide work carried out by Selvi.A. MALATHI of Sri Sarada College for Women (Autonomous), Tirunelveli-627011 during the academic year 2022-23 in partial fulfillment of the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar University, Tirunelveli 627011.

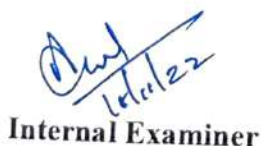

Principal

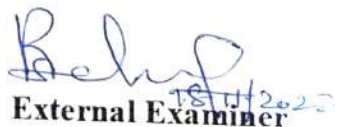
PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011


12.11.22

Head of the Department
HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


Project Supervisor


Internal Examiner


External Examiner

DR.R.SELVI, M.A., M.Phil., S.E.
PGDTE, Ph.D.
Associate Professor,
Dept. of English & Research Centre
Sarah Tucker College (Autonomous)
Tirunelveli - 627 007.



A.MALATHI
Register No: 2021PEN06,
M.A. English,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627011.

DECLARATION

I do hereby declare that the project titled **DEPICTION OF SUBJUCATION**
IN AMINATTA FORNA'S *THE MEMEORY OF LOVE* submitted by me for the
Degree of Master of Arts in English is the result of my original and independent research
work carried out under the Guidance and Supervision of Smt. T. ANNALAKSHMI, M.A.,
M.A (Hindi), DGT Assistant Professor of English, Sri Sarada College for Women
(Autonomous) Tirunelveli- 627 011, Tamil Nadu, India, and it has not been
submitted/published for the award of any Degree, Diploma, Associate ship and Fellowship of
any University/Institution. The data and reports submitted are true to the best of my
knowledge.



Place: Tirunelveli
Date: 11/11/22

A. Malathi 11/11/22
Signature of the Candidate
(A. MALATHI)


Signature of the Project Supervisor
(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings.

I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT Principal**, for the motivation offered for carrying out this project.

I express my heartfelt thanks to **Dr. N. Renuka, M.A., M.Phil., CGT., PGDMTE., Ph.D**, Head, Department of English for providing the necessary facilities in the Department.

I profusely submit my sincere thanks humbly to my guide **Smt. T.Annalakshmi, M.A., M.A (Hindi), DGT.** for her valuable guidance, critical correction, and consistent encouragement at every phase of this project.

I further extend my sincere thanks to all faculty members of our department for their timely help and support in completing this project.

I wish to express my deep sense of gratitude to my beloved parents for having given me the courage and enthusiasm to take up this venture and also to my dear friends for their kind cooperation and timely help directly and indirectly.

MAPPING OF MULTICULTURALISM IN ZADIE SMITH'S *WHITE TEETH*

Project submitted to

**SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)**

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

S. PRAMMA LAKSHMI

Register No: 2021PEN08



Under the Guidance of

Smt. T. ANNALAKSHMI, M.A., M.A (Hindi), DGT.

Assistant Professor

Department of English

Sri Sarada College for Women (Autonomous)

TIRUNELVELI – 627 011

NOVEMBER – 2022

DR. S. ANNALAKSHMI, M.A., M.A (Hindi), DGT.
Assistant Professor
Dept. of English & Research Co-ordinator
Sri Sarada College for Women (Autonomous)
Tirunelveli - 627 011

Smt T. ANNALAKSHMI, M.A., M.A., (Hindi)., DGT.
Assistant Professor,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627 011.

CERTIFICATE

This is to certify that the project titled **MAPPING OF
MULTICULTURALISM IN ZADIE SMITH'S *WHITE TEETH*** is a bonafide
work carried out by Selvi. S. PRAMMA LAKSHMI of Sri Sarada College for Women
(Autonomous), Tirunelveli- 627011 during the academic year 2022-23 in partial fulfillment of
the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from
Manonmaniam Sundaranar University, Tirunelveli 627011.


Principal

PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011


11. 11. 22

Head of the Department
HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


4/11/2022
Project Supervisor


Internal Examiner


18/11/2022
External Examiner

DR.R.SELVI, B.A., B.P.H., B.
P.G.D.T.E., Ph
Associate Professor,
Dept. of English & Research Co
Sarah Tucker College (Autonom
Tirunelveli - 627 007.



S. PRAMMA LAKSHMI
Register No: 2021PEN08,
M.A. English,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627011.


DECLARATION

I do hereby declare that the project titled **MAPPING OF MULTICULTURALISM IN ZADIE SMITH'S *WHITE TEETH*** submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the guidance and supervision of **Smt T. ANNALAKSHMI, M.A., M.A (Hindi)., DGT Assistant Professor of Department of English, Sri Sarada College for Women (Autonomous) Tirunelveli- 627 011, Tamil Nadu, India,** and it has not been submitted/published for the award of any Degree, Diploma, Associateship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



Place: Tirunelveli
Date: 11.11.2022

S. Pramma Lakshmi
11/11/2022
Signature of the Candidate
(S. Pramma Lakshmi)


Signature of the Project Supervisor
(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings.

I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT.** Principal, for the motivation offered for carrying out this project.

I express my heartfelt thanks to **Dr. N. Renuka, M.A., M.Phil., CGT., PGDMTE., Ph.D.** Head, Department of English for providing the necessary facilities in the Department.

I profusely submit my sincere thanks humbly to my guide **Smt T. Annalakshmi, M.A., M.A (Hindi), DGT.** for her valuable guidance, critical correction, and consistent encouragement at every phase of this project.

I further extend my sincere thanks to all faculty members of our department for their timely help and support in completing this project.

I wish to express my deep sense of gratitude to my beloved parents for having given me the courage and enthusiasm to take up this venture and also to my dear friends for their kind cooperation and timely help directly and indirectly.

SELF-DISCOVERY AND FEMININE ATTACHMENT IN SEFI ATTA'S *EVERYTHING GOOD WILL COME*

Project submitted to

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Re-Accredited with "A" Grade by NAAC)

Institution recognized u/s 2(f) and 12(B) of UGC

(Affiliated to Manonmaniam Sundaranar University Tirunelveli-627 012)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Sarada Nagar, Ariyakulam, Maharajanagar Post,

TIRUNELVELI-627011, Tamil Nadu, India

in partial fulfillment of the requirements for the award of the degree of

MASTER OF ARTS IN ENGLISH

from Manonmaniam Sundaranar University, Tirunelveli 627012

Submitted by

R.SUBASHINI

Register No: 2021PEN11



Under the Guidance of

Dr. S. VIJI, M.A., M.Phil., B.Ed., MA (Edn)., Ph.D.

Assistant Professor

Department of English

Sri Sarada College for Women (Autonomous)

TIRUNELVELI – 627 011

NOVEMBER - 2022

Dr. S. Viji, M.A., M.Phil., B.Ed., MA (Edn)., Ph.D.
Associate Professor
Dept. of English & Research Centre
Sri Sarada College for Women
Tirunelveli



Dr. S. VIJI, M.A., M.Phil., B.Ed., MA (Edn.), Ph.D.
Assistant Professor,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627 011.


CERTIFICATE

This is to certify that the project titled **SELF-DISCOVERY AND FEMININE ATTACHMENT IN SEFI ATTA'S *EVERYTHING GOOD WILL COME*** is a bonafide work carried out by **Selvi. R. SUBASHINI** of Sri Sarada College for Women (Autonomous), Tirunelveli- 627011 during the academic year 2022-23 in partial fulfillment of the requirements for the award of Degree of **MASTER OF ARTS IN ENGLISH** from Manonmaniam Sundaranar University, Tirunelveli 627011.



Principal

PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011



Head of the Department

HEAD, DEPARTMENT OF ENGLISH
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.



Project Supervisor



Internal Examiner



DR.R.SELVI, M.A., M.Phil., B.Ed.
PGDTE, Ph.D.
Associate Professor,
Dept. of English & Research Centr
Sarah Tucker College (Autonomous)
Tirunelveli - 627 007.



R.SUBASHINI
Register No: 2021PEN11,
M.A. English,
Department of English,
Sri Sarada College for Women (Autonomous),
Tirunelveli – 627 011.

DECLARATION

I do hereby declare that the project titled **SELF-DISCOVERY AND FEMININE ATTACHMENT IN SEFI ATTA'S *EVERYTHING GOOD WILL COME*** submitted by me for the Degree of Master of Arts in English is the result of my original and independent research work carried out under the Guidance and Supervision of **Dr.S. VIJI M.A., M.Phil., B. Ed., MA (Edn) ., Ph.D** Assistant Professor of Department of English, Sri Sarada College for Women (Autonomous) Tirunelveli- 627 011, Tamil Nadu, India, and it has not been submitted/published for the award of any Degree, Diploma, Associateship and Fellowship of any University/Institution. The data and reports submitted are true to the best of my knowledge.



Place: Tirunelveli

Date: 11.11.2022

R Subashini 11.11.22
Signature of the Candidate
(R.SUBASHINI)


Signature of the Project Supervisor

(Seal)

ACKNOWLEDGEMENT

My pranams to the Almighty and our Holy Mother Sri Sarada Devi for the successful completion of this project.

I express my sincere thanks to our secretary **Yatiswari Saravanabhavapriya Amba** for her valuable blessings. I express my deep sense of gratitude to **Dr.N.Kamala, M.Com., M.Phil., Ph.D., NET, PGDCA., CGT Principal**, for the motivation offered for carrying out this project. I express my heartfelt thanks to **Dr. N. Renuka, M.A., M.Phil., CGT., PGDMTE., Ph.D**, Head, Department of English for providing the necessary facilities in the Department.

I profusely submit my sincere thanks humbly to my guide **Dr. S. VIJI, M.A., M.Phil., B.Ed., MA (Edn)., Ph.D**, for her valuable guidance, critical correction, and consistent encouragement at every phase of this project.

I further extend my sincere thanks to all faculty members of our department for their timely help and support in completing this project.

I wish to express my deep sense of gratitude to my beloved parents for having given me the courage and enthusiasm to take up this venture and also to my dear friends for their kind cooperation and timely help directly and indirectly.

A STUDY ON CORDIAL LABELING IN ZERO DIVISOR GRAPHS

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

L.ABINAYA – 2021PMA01

Under the guidance of

Selvi A. Shunmugapriya, M.Sc., M.Phil., DGT

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with “A” Grade by NAAC

(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

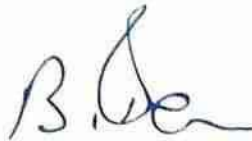
CERTIFICATE

This is to certify that the project work titled "**A STUDY ON CORDIAL LABELING IN ZERO DIVISOR GRAPHS**" is a bonafide work done by **L. ABINAYA** of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** during the academic year 2022-23.




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HEAD, DEPARTMENT OF MATHEMATICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011,



INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled “**A STUDY ON CORDIAL LABELING IN ZERO DIVISOR GRAPHS**” was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



L. Abinaya
(L. Abinaya)



Signature of the Internal Guide

A STUDY ON COMMUTATIVE LATTICE ORDERED GROUP AND RINGS

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

C. CHELLAMMAL - 2021PMA02

Under the guidance of

Smt. B. Revathy, M.Sc., M.Phil., PGDCA, DGT

Assistant Professor and Head, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with 'A' Grade by NAAC

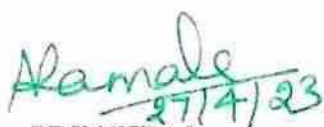
(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.


CERTIFICATE

This is to certify that the project work titled "**A STUDY ON COMMUTATIVE LATTICE ORDERED GROUP AND RINGS**" is a bonafide work of C. CHELLAMMAL of Final M Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli - 627 011, in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** during the academic year 2022-23.


27/4/23

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HEAD, DEPARTMENT OF MATHEMATICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.



INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled “**A STUDY ON COMMUTATIVE LATTICE ORDERED GROUP AND RINGS**” was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



C. Chellammal
(C. CHELLAMMAL)



Signature of the Internal Guide

A STUDY ON GLOBAL WEAK DOMINATION NUMBER OF GRAPHS

A project work report submitted to the
Department of Mathematics
in partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by
S. Chitra Devi – 2021PMA03

Under the guidance of
Dr. A.Mahalakshmi, M.Sc., M.Phil., Ph.D.,
Assistant Professor, Department of Mathematics
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)
Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with “A” Grade by NAAC
(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE


This is to certify that the project work titled "A STUDY ON GLOBAL WEAK DOMINATION NUMBER OF GRAPHS" is a bonafide work done by S CHITRA DEVI of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.


27/4/23

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HEAD, DEPARTMENT OF MATHEMATICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.

EXTERNAL EXAMINER


DECLARATION

I do hereby declare that the project work titled "**A STUDY ON GLOBAL WEAK DOMINATION NUMBER OF GRAPHS**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



s. chitra Devi

(S. Chitra Devi)



Signature of the Internal Guide

A STUDY ON STEINER DOMINATION NUMBER OF GRAPHS

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

S. Gomathi Radha– 2021PMA04

Under the guidance of

Dr. K.Ramalakshmi, M.Sc., M.Phil., Ph.D.,

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with “A” Grade by NAAC

(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that the project work titled “A STUDY ON STEINER DOMINATION NUMBER OF GRAPHS” is a bonafide work done by S. GOMATHI RADHA of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.


27/4/23
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(Autonomous)
TIRUNELVELI - 627 011


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HEAD, DEPARTMENT OF MATHEMATICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled "**A STUDY ON STEINER DOMINATION NUMBER OF GRAPHS**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



S. Gomathi Radha
(S. Gomathi Radha)



Signature of the Internal Guide

A STUDY ON HOP DOMINATION NUMBER OF GRAPHS

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

S. Indhu Mathi– 2021PMA05

Under the guidance of

T.Lingeswari, M.Sc., M.Phil.,

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with “A” Grade by NAAC

(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that the project work titled "A STUDY ON HOP DOMINATION NUMBER OF GRAPHS" is a bonafide work done by S. INDHU MATHI of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.



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(Autonomous)
TIRUNELVELI - 627 011



HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF MATHEMATICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011,



INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled "**A STUDY ON HOP DOMINATION NUMBER OF GRAPHS**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



S. Indhu Mathi
(S. Indhu Mathi)



Signature of the Internal Guide

A STUDY ON HOP DOMINATION IN MIDDLE GRAPH

A project work report submitted to the
Department of Mathematics
in partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

M. Iswarya– 2021PMA06

Under the guidance of

Smt. K. Prammappriya, M.Sc., B.Ed., M.Phil.,

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with “A” Grade by NAAC

(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that the project work titled "A STUDY ON HOP DOMINATION IN MIDDLE GRAPH" is a bonafide work done by M. ISWARYA of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.

Ramale
27/4/23

PRINCIPAL

PRINCIPAL

SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

B. Se

HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF MATHEMATICS

SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.

K. B. 08/4/23
INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled “**A STUDY ON HOP DOMINATION IN MIDDLE GRAPHS**” was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



M. Iswarya
M. Iswarya

K. B. Bani

Signature of the Internal Guide

A STUDY ON GRAPH COLORING AND ITS APPLICATIONS

A project work report submitted to the

Department of Mathematics

in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

R.Maharasi- 2021PMA07

Under the guidance of

Smt. B.Revathy, M.Sc., M.Phil., PGDCA, DGT

Assistant Professor & Head, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with "A" Grade by NAAC

(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,


TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that the project work titled "A STUDY ON GRAPH COLORING AND ITS APPLICATIONS" is a bonafide work done by R.MAHARASI of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.


PRINCIPAL

PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011


HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF MATHEMATICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled "**A STUDY ON GRAPH COLORING AND ITS APPLICATIONS**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



R. Maharasi
(R.Maharasi)

A handwritten signature in black ink, appearing to read "B. Ge".

Signature of the Internal Guide

A STUDY ON DOMINATION IN HAMILTONIAN GRAPHS

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

V.Muthuselvi – 2021PMA08

Under the guidance of

Dr. K.Ramalakshmi, M.Sc., M.Phil., Ph.D.,

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

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(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,


TIRUNELVELI-627 011, TAMIL NADU, INDIA.


CERTIFICATE

This is to certify that the project work titled "A STUDY ON DOMINATION IN HAMILTONIAN GRAPHS" is a bonafide work done by V. MUTHUSELVI of Final M.Sc , Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.


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(AUTONOMOUS)
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INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled "**A STUDY ON DOMINATION IN HAMILTONIAN GRAPHS**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



V. Muthuselvi
(V. Muthuselvi)

A handwritten signature in black ink, appearing to read 'K. Rallu'.

Signature of the Internal Guide

A STUDY ON FUZZY MODULAR PAIR AND SEMI DISTRIBUTIVE LATTICE

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

S RAMYA – 2021PMA09

Under the guidance of

Smt. B. Revathy, M.Sc., M.Phil., PGDCA, DGT

Assistant Professor and Head, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that the project work titled "**A STUDY ON FUZZY MODULAR PAIR AND SEMI DISTRIBUTIVE LATTICE**" is a bonafide work of S. RAMYA of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011 in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** during the academic year 2022-23.


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DECLARATION

I do hereby declare that the project work titled "**A STUDY ON FUZZY MODULAR PAIR AND SEMI DISTRIBUTIVE LATTICE**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



S Ramya
(S. RAMYA)



Signature of the Internal Guide

A STUDY ON PAIRED DOMINATION NUMBER OF GRAPH

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

G. Sukashree – 2021PMA10

Under the guidance of

Dr. A.Mahalakshmi, M.Sc., M.Phil., Ph.D.,

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

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(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,


TIRUNELVELI - 627011, TAMIL NADU, INDIA.


CERTIFICATE

This is to certify that the project work titled "A STUDY ON PAIRED DOMINATION NUMBER OF GRAPH" is a bonafide work done by G. SUKASHREE of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.


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INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that the project work titled "**A STUDY ON PAIRED DOMINATION NUMBER OF GRAPH**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



G. Sukashree
(G. Sukashree)

A. Malilel

Signature of the Internal Guide

A STUDY ON HYPERGRAPHS AND ITS APPLICATIONS

A project work report submitted to the
Department of Mathematics
in partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by
M. SUNDARI – 2021PMA11

Under the guidance of
Selvi A. Shunmugapriya, M.Sc., M.Phil., DGT
Assistant Professor, Department of Mathematics
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)
Institution recognized u/s 2(f) and 12(B) of UGC & Reaccredited with “A” Grade by NAAC
(A branch of Sri Ramakrishna Tapovanam, Thirupparaithurai)
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
TIRUNELVELI-627 011, TAMIL NADU, INDIA.

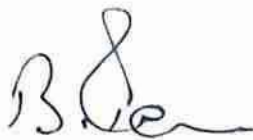
CERTIFICATE

This is to certify that the project work titled “A STUDY ON HYPERGRAPHS AND ITS APPLICATIONS” is a bonafide work done by M. SUNDARI of Final M.Sc., Mathematics, Sri Sarada College for Women (Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN MATHEMATICS during the academic year 2022-23.


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DECLARATION

I do hereby declare that the project work titled “**A STUDY ON HYPERGRAPHS AND ITS APPLICATIONS**” was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



M. Sundari
(M. Sundari)



Signature of the Internal Guide

A STUDY ON k-REGULARITY OF BLOCK FUZZY MATRICES

A project work report submitted to the

Department of Mathematics

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS



Submitted in April 2023 by

A.VANDI MALACHI – 2021PMA12

Under the guidance of

Smt. K.Prammapriya, M.Sc., B.Ed., M.Phil.,

Assistant Professor, Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that the project work titled “A STUDY ON k-REGULARITY OF BLOCK FUZZY MATRICES” is a bonafide work done by A.Vandi Malachi of Final M.Sc., Mathematics, Sri Sarada College for Women(Autonomous), Tirunelveli-627 011, in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN MATHEMATICS** during the academic year 2022-23.



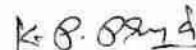
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DECLARATION

I do hereby declare that the project work titled “**A STUDY ON k -REGULARITY OF BLOCK FUZZY MATRICES**” was carried out by me for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is my original work.



A. Vandi Malachi
(A. Vandi Malachi)



Signature of the Internal Guide

DEVELOPMENT OF $\text{Cu}_2\text{CdZnS}_4$ NANOPARTICLE AS AN EFFICIENT COUNTER ELECTRODE FOR HIGH PERFORMANCE DYE-SENSITIZED SOLAR CELL

A project work report submitted to the
Department of Physics
in partial fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS



Submitted on November 2022 by
P. BALA RANGA NAYAGI

Under the Guidance of
Dr. (Smt) E.S. SOWBAKKIYAVATHI M.Sc., Ph.D.,
Assistant Professor, Department of Physics
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)
Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC
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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
TIRUNELVELI- 627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled **Development of $\text{Cu}_2\text{CdZnS}_4$ nanoparticle as an efficient counter electrode for high performance dye-sensitized solar cell** is a bonafide work of P. BALA RANGA NAYAGI of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022 – 23.


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(AUTONOMOUS)
TIRUNELVELI-627 011.


10/11/22

INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project work titled "DEVELOPMENT OF $\text{Cu}_2\text{CdZnS}_4$ NANOPARTICLE AS AN EFFICIENT COUNTER ELECTRODE FOR HIGH PERFORMANCE DYE-SENSITIZED SOLAR CELL" was carried out for the award of the degree of MASTER OF SCIENCE IN PHYSICS is my original work.



P. Bala Ranga Nayagi
(P. BALA RANGA NAYAGI)



Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr.(Smt). N. Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Assistant professor & Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. (Smt) E.S. SOWBAKKIYAVATHI M.Sc., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

GROWTH AND CHARACTERIZATION OF AN INORGANIC NLO LITHIUM CHLORIDE SINGLE CRYSTAL.

A project work report submitted to the
Department of Physics
in partial fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS



Submitted in November 2022 by

K.BHAVANI – 2021PPH02

Under the Guidance of

Dr. S. Bagavathi, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA

CERTIFICATE

This is to certify that this project work titled '**GROWTH AND CHARACTERIZATION OF AN INORGANIC NiO LITHIUM CHLORIDE SINGLE CRYSTALS**' is a bonafide work of K.BHAVANI of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022 - 23.


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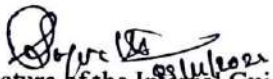
EXTERNAL EXAMINER

DECLARATION

I do hereby that this project work titled "**GROWTH AND CHARACTERIZATION OF - AN INORGANIC NLO LITHIUM CHLORIDE SINGLE CRYSTAL**" was carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.



K. Bhavani
(K.BHAVANI)


Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. We wish to convey our respect to our Principal Dr. (Smt) N.Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Head, Department of Physics for her constant encouragement

I am extremely grateful thank to my guide Dr. S. Bagavathi, M.sc., M.Phil.,Ph.D., for her consistent review, constructive suggestion and critical interpretation through the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, beloved parents, siblings at home, my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

**PHYTO SYNTHESIS AND CHARACTERIZATION
OF AG / ZNO NANOCOMPOSITE BY
MURRAYA KOENIGII**

A project work report submitted to the
Department of Physics
In partial fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS




Submitted in November 2022 by
M. BHUVANESWARI –2021PPH03


Under the Guidance of
Smt. S. MAGARA JOTHI LAKSHMI M.Sc., M.Phil.,
Head of the department, Department of Physics
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)
Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC
(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
TIRUNELVELI-627011, TAMILNADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'PHYTOSYNTHESIS AND CHARACTERIZATION OF Ag / ZnO NANO COMPOSITE BY MURRAYA KOENIGII' is a bonafide work of M. BHUVANESWARI of Final M.Sc., Physics, Sri Sarada College for Women(Autonomous), Tirunelveli 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022-23.


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(AUTONOMOUS)
TIRUNELVELI-627 011.


10/11/22
INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project work titled **"PHYTOSYNTHESIS AND CHARACTERIZATION OF Ag / ZnO NANOCOMPOSITE BY MURRAYA KOENIGII"** was carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.



M. Bhuvaneshwari

(M. BHUVANESWARI)

S. Hargana Jithi Lakshmi
10/11/22
Signature of the Internal Guide

ACKNOWLEDGEMENT

I thank God Almighty for his abundant grace which have let us to finish my project work successfully. I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. We wish to convey my respect to our Principal Dr. (Smt.) N. Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Smt. S. Magara Jothi lakshmi, M.Sc., M.Phil., Head, Department of Physics for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

SYNTHESIS, CRYSTAL GROWTH AND CHARACTERIZATION OF SEMI-ORGANIC NLO MATERIAL: L-ALANINE LITHIUM CHLORIDE AS OPTO ELECTRONICS SENSOR

A project work report submitted to the

Department of Physics

in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN PHYSICS



Submitted in November 2022 by
S. KARTHIKA – 2021PPH04

Under the Guidance of

Dr. (smt.) S. Bagavathi, M.Sc., M. Phil., Ph.D.

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'SYNTHESIS, CRYSTAL GROWTH AND CHARACTERIZATION OF SEMI ORGANIC NLO MATERIAL: L-ALANINE LITHIUM CHLORIDE AS OPTO ELECTRONICS SENSOR' is a bonafide work of S.KARTHIKA of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN PHYSICS during the academic year 2021 - 23.


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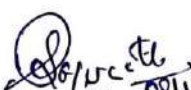
EXTERNAL EXAMINER

DECLARATION

I do hereby that this project work titled **“SYNTHESIS, CRYSTAL GROWTH AND CHARACTERIZATION OF SEMI ORGANIC NLO MATERIAL: L-ALANINE LITHIUM CHLORIDE AS OPTO ELECTRONICS SENSOR”** was carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.




(S.KARTHIKA)


Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr.(Smt.) N. Kamala, M.Com., M. Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt S. Magara Jothi Lakshmi, M.Sc., M. Phil., Head, Department of Physics for her constant encouragement

I am extremely grateful thank to my guide Dr.(smt.) S. Bagavathi, M.sc., M.Phil.,Ph.D., for her consistent review, constructive suggestion and critical interpretation through the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, beloved parents, siblings at home, my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

STRUCTURAL CHARACTERISATION OF COPPER NICKEL OXIDE NANOMATERIALS USING CO- PRECIPITATION METHOD.

A project work report submitted to the

Department of Physics

In partial fulfillment of the requirements for the award of the degree
of

MASTER OF SCIENCE in PHYSICS



Submitted in November 2022 by

A. PRIYANKA–2021PPH05

Under the Guidance of

Dr. (Smt.) S. MUTHURANI, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Physics

SRISARADA COLLEGE FOR WOMEN

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai) Ariyakulam,

Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627011, TAMILNADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**STRUCTURAL CHARACTERISATION OF COPPER NICKEL OXIDE NANOMATERIALS USING CO-PRECIIPITATION METHOD**' is a bonafide work of A. PRIYANKA of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022 - 23.

A. Ramale
10/11/22
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TIRUNELVELI - 627 011

S. Magare Sathisaleshwari
10/11/22
HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF PHYSICS
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(AUTONOMOUS)
TIRUNELVELI-627 011.

M. J. R.
10/11/22
INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project work titled “**STRUCTURAL CHARACTERISATION OF COPPER NICKEL OXIDE NANOMATERIALS USING CO-PRECIIPITATION METHOD**” was carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.



A. Priyanka

(A.PRIYANKA)

LMTHR
10/11/22

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. (Smt.) S. Muthurani, M.Sc., M.Phil., Ph.D for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

If I further acknowledge the inquisitive interaction of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and timely and indirectly.

SYNTHESIS AND STRUCTURAL PROPERTIES OF ZINC OXIDE NANO PARTICLES

A project work report submitted to the
DEPARTMENT OF PHYSICS
in partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS



Submitted in November 2022

by

A.RAMALAKSHMI-2021PPH06

Under the Guidance of

Dr. (Smt.) P.GOMATHY, M.Sc., M.Phil., Ph.D.,

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC &

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI- 627 011, TAMIL NADU, INDIA

CERTIFICATE

This is to certify that this project work titled " SYNTHESIS AND STRUCTURAL PROPERTIES OF ZINC OXIDE NANO PARTICLES " is a bonafide work of A.RAMALAKSHMI of final year M.Sc.,Physics, Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022-23.

		
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(Autonomous)	(AUTONOMOUS)	
TIRUNELVELI - 627 011	TIRUNELVELI-627 011.	

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project titled“ **SYNTHESIS AND STRUCTURAL PROPERTIES OF ZINC OXIDE NANO PARTICLES** ” carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.



A. Ramalakshmi
(A.RAMALAKSHMI)

Pentti 8/11/22
Signature of the Internal Guide

ACKNOWLEDGEMENT

I thank God, the Almighty for giving me the strength and knowledge for the successful completion of this work. I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings.

I wish to convey our respect to our Principal Dr. (Smt.) N.Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S.Magara Jothi Lakshmi, M.Sc., M.Phil., Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. (Smt.) P.Gomathy M.Sc., M.Phil., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members in the department, our beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly

DEVELOPMENT OF $\text{Cu}_2\text{NiZnS}_4$ NANOPARTICLE AS AN EFFICIENT COUNTER ELECTRODE FOR HIGH PERFORMANCE DYE-SENSITIZED SOLAR CELL

A project work report submitted to the
Department of Physics
in partial fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS



Submitted on November 2022 by
M. SARANYA

Under the Guidance of
Dr. (Smt) E.S. SOWBAKKIYAVATHI M.Sc., Ph.D.,
Assistant Professor, Department of Physics
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)
Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC
(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
TIRUNELVELI- 627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled **Development of $\text{Cu}_2\text{NiZnS}_4$ nanoparticle as an efficient counter electrode for high performance dye-sensitized solar cell** is a bonafide work of M. SARANYA of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022 – 23.


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SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project work titled "DEVELOPMENT OF $\text{Cu}_2\text{NiZnS}_4$ NANOPARTICLE AS AN EFFICIENT COUNTER ELECTRODE FOR HIGH PERFORMANCE DYE-SENSITIZED SOLAR CELL" was carried out for the award of the degree of MASTER OF SCIENCE IN PHYSICS is my original work.



M. Saranya.
(M. SARANYA)



Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr.(Smt). N. Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Assistant professor & Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. (Smt) E.S. SOWBAKKIYAVATHI M.Sc., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

SYNTHESIS AND EVALUTION OF STRUCTURAL, FUNCTIONAL AND MORPHOLOGICAL PROPERTIES OF COPPER MANGANESE OXIDE VIA CO-PRECIIPITATION TECHNIQUE

A project work report submitted to the
Department of Physics
in partial fulfilment of the requirements for the award of the degree
of
**MASTER OF SCIENCE IN
PHYSICS**



Submitted in November 2022 by
S. SHANMUGA PRIYA – 2021PPH08

Under the Guidance of
Selvi. K. NIRANJANA DEVI M.Sc., M.Phil., DGT.,
Assistant Professor, Department of Physics
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)
Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC
(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai) Ariyakulam,
Maharaja Nagar Post, Thoothukudi NH, **TIRUNELVELI- 627011,**
TAMILNADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'SYNTHESIS AND EVALUTION OF STRUCTURAL, FUNCTIONAL AND MORPOLOGICAL PROPERTIES OF COPPER MANGANESE OXIDE VIA CO-PRECIPITATION TECHNIQUE' is a bonafide work of S. SHANMUGA PRIYA of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN PHYSICS during the academic year 2022 - 23.

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PRINCIPAL	HEAD, DEPARTMENT OF PHYSICS	(K. NIRANJANA DEVI)
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(Autonomous)	(AUTONOMOUS)	
TIRUNELVELI - 627 011	TIRUNELVELI-627 011.	


EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project work titled "SYNTHESIS AND EVALUATION OF STRUCTURAL, FUNCTIONAL AND MORPHOLOGICAL PROPERTIES OF COPPER MANGANESE OXIDE VIA CO-PRECIIPITATION TECHNIQUE" was carried out for the award of the degree of MASTER OF SCIENCE IN PHYSICS is my original work.



S. Shanmuga Priya
(S. SHANMUGA PRIYA)


Signature of the Internal Guide
(K. NIRANJANA DEVI)

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey our respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Selvi. K. Niranjana Devi, M.Sc., M.Phil., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

SYNTHESIS AND INVESTIGATION ON STRUCTURAL PROPERTIES OF TIN OXIDE NANOPARTICLES

A project work report submitted to the
DEPARTMENT OF PHYSICS
in partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS



Submitted in November 2022

by

R.SUDALILAKSHMI - 2021PPH09

Under the Guidance of

Dr. P.GOMATHY, M.Sc., M.Phil., Ph.D.,

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

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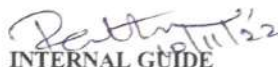
(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI- 627 011, TAMIL NADU, INDIA

CERTIFICATE

This is to certify that this project work titled “**SYNTHESIS AND INVESTIGATION ON STRUCTURAL PROPERTIES OF TIN OXIDE NANOPARTICLES**” is a bonafide work of **R.SUDALILAKSHMI** of final year M.Sc..Physics, Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022-23.

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EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this project titled “SYNTHESIS AND INVESTIGATION ON STRUCTURAL PROPERTIES OF TIN OXIDE NANOPARTICLES” was carried out for the award of the degree of MASTER OF SCIENCE IN PHYSICS is my original work.



R. Sudalilakshmi

(R.SUDALILAKSHMI)


Signature of the Internal Guide

ACKNOWLEDGEMENT

I thank God, the Almighty for giving me the strength and knowledge for the successful completion of this work. I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings.

I wish to convey our respect to our Principal Dr. N.Kamala, M.Com. M.Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M.Phil., Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. P.Gomathy M.Sc., M.Phil., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members in the department, our beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly

MECHANISM OF SOLAR COOKERS

A project work report submitted to the
Department of Physics
in partial fulfilment of the requirements for the award of the degree
of
**MASTER OF SCIENCE IN
PHYSICS**



Submitted in November 2022 by

K. VENI-2021PPH10

Under the Guidance of

Dr. (Smt.) N. BOOMA DEVI, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

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Tirupparaithurai) Ariyakulam, Maharaja Nagar Post,

Thoothukudi NH, **TIRUNELVELI- 627 011,**

TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**MECHANISM OF SOLAR COOKERS**' is a bonafide work of K. VENI of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF SCIENCE IN PHYSICS** during the academic year 2022 – 23.

A. Ramale
15/11/22
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S. Magara Pothu Lakshmi
10/11/22
HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF PHYSICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.

N. Boomadevi
INTERNAL GUIDE

DECLARATION

I do hereby declare that this project work titled "MECHANISM OF SOLAR COOKERS" was carried out for the award of the degree of MASTER OF SCIENCE IN PHYSICS is my original work.



K. Veni
(K.VENI)

N. Boomadevi
Signature of the Internal Guide

ACKNOWLEDGEMENT

I thank God Almighty for his abundant grace which have let me to finish my project work successfully. I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt.) N. Kamala, M.Com., M. Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M. Phil., Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. (Smt.) N. Booma Devi, M.Sc., M. Phil., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

STRUCTURAL CHARACTERISATION OF COPPER ZINC OXIDE NANOMATERIALS USING CO- PRECIPITATION METHOD

A project work report submitted to the
Department of Physics
In partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS



Submitted in November 2022 by
S. VIGNESHWARI – 2021PPH11

Under the Guidance of
Dr. (Smt.) S. MUTHURANI, M.Sc., M. Phil., Ph.D.

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI - 627011, TAMIL NADU, INDIA.

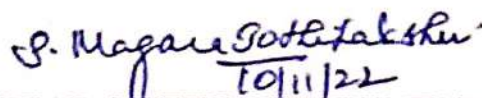
CERTIFICATE

This is to certify that this project work titled 'STRUCTURAL CHARACTERISATION OF COPPER ZINC OXIDE NANOMATERIALS USING CO-PRECIPITATION METHOD' is a bonafide work of S.VIGNESHWARI of final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN PHYSICS during the academic year 2022-23.


10/11/22

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(Autonomous)
TIRUNELVELI - 627 011


10/11/22

HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF PHYSICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.


10/11/22

INTERNAL GUIDE

EXTERNAL EXAMINER

DECLARATION

I do here by declare that this project work titled “**STRUCTURAL CHARACTERISATION OF COPPER ZINC OXIDE NANOMATERIALS USING CO-PRECIIPITATION METHOD**” was carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.



S. Vigneshwari

(S. VIGNESHWARI)

[Signature]
10/11/22

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt.) N. Kamala, M.Com., M. Phil., NET., PGDCA., Ph.D., for her ceaseless support.

With deep sense of respect, I profusely thank Smt. S. Magara Jothi Lakshmi, M.Sc., M. Phil., (Ph.D) Head, Department of Physics for her constant encouragement.

I submit my honest and humble reverence to my guide, Dr. (Smt.) S. Muthurani, M.Sc., M.Phil., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interaction so faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly

A STUDY ON NUCLEAR STABILITY USING NUCLEAR MODELS

A project work report submitted to the
Department of Physics
in partial fulfilment of the requirements for the award of the degree of
**MASTER OF SCIENCE IN
PHYSICS**



Submitted in November 2022 by
M. VIJAYAPATHI-2021PPH12

Under the Guidance of
Dr. (Smt.) N. BOOMA DEVI, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Physics

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam,

Tirupparaithurai) Ariyakulam, Maharaja Nagar Post,

Thoothukudi NH, **TIRUNELVELI- 627 011,**

TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'A STUDY ON NUCLEAR STABILITY USING NUCLEAR MODELS' is a bonafide work of M. VIJAYAPATHI of Final M.Sc., Physics, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN PHYSICS during the academic year 2022 – 23.

Ramale
10/11/22

PRINCIPAL

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SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

P. Nagare
10/11/22

HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF PHYSICS
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI-627 011.

N. Boomadevi

INTERNAL GUIDE

DECLARATION

I do hereby declare that this project work titled "**A STUDY ON NUCLEAR STABILITY USING NUCLEAR MODELS**" was carried out for the award of the degree of **MASTER OF SCIENCE IN PHYSICS** is my original work.



M. Vijayapathi.
(M.VIJAYAPATHI)

N. Boomadevi
Signature of the Internal Guide

ACKNOWLEDGEMENT

I thank God Almighty for his abundant grace which have let me to finish my project work successfully. I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt.) N. Kamala, M.Com., M. Phil., NET., PGDCA., Ph.D., for her ceaseless support.

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I submit my honest and humble reverence to my guide Dr. (Smt.) N. Booma Devi, M.Sc., M. Phil., Ph.D., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

TIMESHEET FRAMEWORK USING APEX VISUALFORCE

A project work report submitted to the

Department of Computer Science

In partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN COMPUTER SCIENCE



Submitted in April 2023 by

N. VENNILA – 2021PCS04

Under the guidance of

Dr. V. VALLINAYAGI M.Sc., M.Phil., Ph.D.,

Head and Associate Professor,

Department of Computer Science

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated Manonmaniam Sundaranar University, Tirunelveli – 627 011)

(Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled “TIMESHEET FRAMEWORK USING APEX VISUALFORCE” is a bonafide work of N. VENNILA of final M.Sc., Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli – 627 011 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN COMPUTER SCIENCE during the academic year 2022 - 23.

Ramale
27/4/23
PRINCIPAL
PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

Bellingayag
HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMPUTER SCIENCE
SRI SARADA COLLEGE FOR WOMEN,
(AUTONOMOUS)
TIRUNELVELI - 627 011.

Bellingayag
GUIDE

T. Anitha
4/5/2023
EXTERNAL EXAMINER

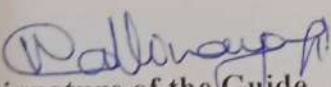


DECLARATION

I hereby declare that this project work titled "**TIMESHEET
FRAMEWORK USING APEX VISUALFORCE**" was carried out by me for the award of
the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** is my original work.



N. Vennila.
(N.VENNILA)


Signature of the Guide



Sweet Potato Tec

Office address: H135 Anbu Nagar Main Road,
Maharaja Nagar, Tirunelveli-627011

E-mail: info@sweetpotatotec.com
Website: www.sweetpotatotec.com

Ref: SPT/IND/Intern/

Date: 26.4.23

TO WHOM IT MAY CONCERN

This is to certify that Ms. N. VENNILA (REG NO: 2021PCS05), Department of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli has undergone her internship as a partial fulfillment of the requirement for the award of the degree of Master of Computer Science in Sweet Potato Tec Private Limited, Tirunelveli.

The Internship duration is from 23rd January 2023 to 14th April 2023. During the period of the internship program with us she was found punctual, hardworking, and inquisitive.

We wish her every success in life.

For: SWEET POTATO TEC Pvt Ltd,
for Sweet Potato Tec PVT Ltd.,

Director

Authorized Signature



ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba ' s blessings. I wish to convey my respect to our Principal Dr. N. KAMALA M.com., M.Phil., NET., PGDCA, Ph.D., DGT for her ceaseless support.

With deep sense of respect, I profusely thank Dr. V. VALLINAYAGI M.Sc., M.Phil., Ph.D., Head and Associate Professor, Department of Computer Science and also my guide for her constant encouragement.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

ABSTRACT

The project timesheet helps to track, record, and organise essential information related to the project and generate accurate billables. To capture data regarding the project timeline on a daily, weekly, biweekly, or monthly basis and analyse it to understand how the project is developing. A project timesheet template records the time an employee invests in multiple projects and tasks. To bill the clients conveniently using this timesheet data. Some employers like to visualise timesheet data for better understanding of patterns in hours worked; they typically create a timeline graph in Excel with the data. The project timesheet template helps track the projects that employees work on, along with the time it takes them to complete them. It uses a timesheet to track projects for any pay period and multiple clients. A daily timesheet template records employee work-hour data, including total hours worked in a day and the projects they worked on. This simple timesheet template helps track billable hours separately for each project. Employees fill in relevant information manually on a timesheet template. However, collecting, organising, and analysing timesheets is tedious, especially since they'll grow in number and pile up over time. Nowadays, people use tools like Microsoft Excel, Google Sheets, etc. In addition to recording time entries and project status, these tools can automate calculations. This way, these tools can make timesheet management a little easier. Automatically create time sheets from a template so that service resources can track their time and work. Specify the period for which to use the timesheet, such as a week or month, and track specific tasks, travel time, and break time. The time was set one day before their start date. The timesheet entry system is simple to use and provides a comprehensive user experience. The client can now keep track of the total time spent by employees on each ongoing project or milestone. It can also now keep a record of all its staff members' working hours every week and analyse the progress and performance of every staff member independently. The client wanted to develop a timesheet entry system in Salesforce that allows each user to insert the time spent on different projects, programmes, and milestones.

A MATHEMATICAL MODELLING FOR QUALITY-BASED ULTRASOUND BREAST CANCER IMAGE USING COLOR PROPERTIES IN PYTHON

A project work report submitted to the

Department of Computer Science

In partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN COMPUTER SCIENCE



Submitted in April 2023 by

S. NIRMALA- 2021PCS02

Under the guidance of

Dr. K. AMUTHA MCA., M.Phil., Ph.D.,

Assistant Professor,

Department of Computer Science

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated Manonmaniam Sundaranar University, Tirunelveli – 627 011)

(Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled "A MATHEMATICAL MODELLING FOR QUALITY-BASED ULTRASOUND BREAST CANCER IMAGE USING COLOR PROPERTIES IN PYTHON" is a bonafide work of S. NIRMALA of final M.Sc., Computer Science, Sri Sarada college for women (Autonomous), Tirunelveli - 627 011 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN COMPUTER SCIENCE during the academic year 2022 - 23.

Ramade
27/4/23
PRINCIPAL
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SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

Valinayagi
HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMPUTER SCIENCE
SRI SARADA COLLEGE FOR WOMEN,
(AUTONOMOUS)
TIRUNELVELI - 627 011.

K. Sathya
GUIDE

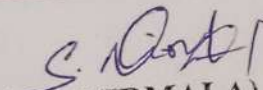
T. Anandhi
4/5/2023
EXTERNAL EXAMINER

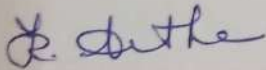


DECLARATION

I hereby declare that this project work titled "A MATHEMATICAL MODELLING FOR QUALITY-BASED ULTRASOUND BREAST CANCER IMAGE USING COLOR PROPERTIES IN PYTHON" was carried out by me for the award of the degree of MASTER OF SCIENCE IN COMPUTER SCIENCE is my original work.




(S. NIRMALA)



Signature of the Guide



Date: 24/04/2023

Project Completion Certificate

This is to certify that **Ms. S. Nirmala** (Reg. No. 2021PCS02) studying M.Sc. (Computer Science) at Sri Sarada College for women (Autonomous), Tirunelveli has successfully completed 3 months project from 18 January 2023 to 31 March 2023 under my guide ship at the Department of Clinical Research, Dr. Agarwal's Eye Hospital & Post Graduate Institute of Ophthalmology, Tirunelveli.

A. Heber

Prof. A. Heber

Head - Academics & Research

Prof. HEBER ANANDAN
HEAD ACADEMICS & RESEARCH
Dr. Agarwal's Eye Hospital
Tirunelveli, Tamilnadu.



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3rd Floor, Buhari Towers, No.4, Moores Road, off Greams Road, Near Asan Memorial School, Chennai - 600 006.
Contact : 78248 19990 Email : info@dragarwal.com
Website : www.dragarwal.com CIN : U85100TN2010PLC075403 GST No. : 33AADCD4418M1Z0

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba ' s blessings. I wish to convey my respect to our Principal Dr. N. KAMALA M.com., M.Phil., NET., PGDCA, Ph.D., DGT for her ceaseless support.

With deep sense of respect, I profusely thank Dr. V. VALLINAYAGI M.Sc., M.Phil., Ph.D., Head and Associate Professor, Department of Computer Science for her constant encouragement.

I submit my honest and humble reverence to my guide Dr. K. AMUTHA MCA.,M.Phil.,Ph.D., consistent review, constructive suggestion, and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

ABSTRACT

Breast cancer is a significant public health issue affecting millions of women worldwide. The earlier breast cancer is detected, the better the chances of successful treatment and improved survival rates. Mammography is the most common screening method for breast cancer, but it can be challenging to interpret, leading to missed diagnoses and delayed treatment. Therefore, the development of accurate and efficient machine learning models for breast cancer prediction using mammography images can significantly improve breast cancer diagnosis and management. Convolutional Neural Networks (CNNs) are a class of deep learning algorithms that have shown promising results in various image classification tasks, including breast cancer prediction. CNNs can learn complex patterns and features from mammography images, making them suitable for breast cancer prediction. Additionally, they can automatically extract relevant features from the images, reducing the need for manual feature engineering, which can be time-consuming and error-prone. To achieve 80% accuracy in breast cancer prediction using CNN, several challenges must be overcome. One of the challenges is the limited availability of labeled mammography datasets, which can limit the model's performance. Therefore, data augmentation techniques such as random rotations, flips, and zooms can be used to increase the dataset's size and diversity, reducing overfitting and improving model generalization. Another challenge is the selection of an appropriate CNN architecture that can effectively extract relevant features from mammography images. Several CNN architectures, such as AlexNet, VGG16, and ResNet, have been used in previous studies for breast cancer prediction. The choice of the CNN architecture can significantly impact the model's performance, and it should be selected based on the dataset size, complexity, and computational resources available. Hyperparameter tuning is also crucial in achieving high accuracy in breast cancer prediction using CNN. The learning rate, batch size, and a number of epochs are essential hyperparameters that can affect the model's training and performance. Optimizing these hyperparameters can improve the model's convergence speed, prevent overfitting, and increase the model's accuracy. In conclusion, breast cancer prediction using CNN is a promising area of research that can significantly improve breast cancer diagnosis and management. Achieving 80% accuracy in breast cancer prediction using CNN requires a well-designed and trained model, appropriate dataset pre-processing and augmentation, careful hyperparameter tuning, and extensive model evaluation. These efforts can ultimately lead to more accurate and efficient methods for breast cancer diagnosis and management, improving patient outcomes and saving lives.

ENHANCED BANDWIDTH ESTIMATION IN COMPUTER NETWORKS

A project work report submitted to the

Department of Computer Science

In partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN COMPUTER SCIENCE



Submitted in April 2023 by

K. KARUMARI KALYANI SELVI – 2021PCS01

Under the guidance of

Selvi. E. SUBA LAKSHMI, M.Sc., M.Phil.,
Assistant Professor,

Department of Computer Science

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated Manonmaniam Sundaranar University, Tirunelveli – 627 011)

(Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled "ENHANCED BANDWIDTH ESTIMATION IN COMPUTER NETWORKS" is a bonafide work of K. KARUMARI KALYANI SELVI of final M.Sc., Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli – 627 011 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN COMPUTER SCIENCE during the academic year 2022 - 23.

Alamale
27/4/23

PRINCIPAL

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TIRUNELVELI - 627 011

Valayagan
HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF COMPUTER SCIENCE
SRI SARADA COLLEGE FOR WOMEN,
(AUTONOMOUS)
TIRUNELVELI - 627 011.

S. Subalakshmi

GUIDE

T. Anurag
4/5/2023

EXTERNAL EXAMINER

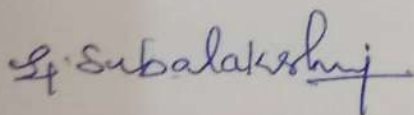


DECLARATION

I hereby declare that this project work titled "**ENHANCED BANDWIDTH ESTIMATION IN COMPUTER NETWORKS**" was carried out by me for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** is my original work.



K. Karumari Kalyani selvi
(K. KARUMARI KALYANI SELVI)



Signature of the Guide

TO WHOMSOEVER IT CONCERNS

ETS/2023

22/04/2023

This is to certify that **K.KARUMARI KALYANI SELVI (RegNo: 2021pcs01)** pursuing **M.Sc(CS)** of **Sri Sarada College for Women, Tirunelveli** has undergone internship training in our concern as a part of her curriculum for the period from **Feb,2023 to April ,2023** and Successfully Completed the training in the domain of **NETWORKING**.

Her attendance during that duration is 100%. She was sincere and took keen interest in the work assigned to her. Her conduct and behavior were found to be good during the duration of internship training.

We wish her all success in future.

For Eminent Technology Solutions,



Authorized Signature

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba ' s blessings. I wish to convey my respect to our Principal Dr. N. KAMALA M.com., M.Phil., NET., PGDCA, Ph.D., DGT for her ceaseless support.

With deep sense of respect, I profusely thank Dr. V. VALLINAYAGI M.Sc., M.Phil., Ph.D., Head and Associate Professor, Department of Computer Science for her constant encouragement.

I submit my honest and humble reverence to my guide Selvi. E. SUBA LAKSHMI M.Sc., M. Phil., consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

ABSTRACT

Enhanced Bandwidth presents a unique probing scheme, a rate adjustment algorithm, and a modified excursion detection algorithm (EDA) for estimating the available bandwidth (ABW) of an end-to-end network path more accurately and less intrusively. The proposed algorithm is based on the well-known concept of self-induced congestion and it features a unique probing train structure in which there is a region where packets are sampled more frequently than in other regions.

This high-density region enables our algorithm to find the turning point more accurately. When the dynamic ABW is outside of this region, we readjust the lower rate and upper rate of the packet stream to fit the dynamic ABW into that region. We appropriately adjust the range between the lower rate and the upper rate using spread factors, which enables us to keep the number of packets low, and we are thus able to measure the ABW less intrusively. Finally, to detect the ABW from the one-way queuing delay, we present a modified EDA from PathChirps' original EDA to better deal with sudden increase and decrease in queuing delays due to cross-traffic burstiness. For the experiments, an Android OS-based device was used to measure the ABW over a commercial 4G/LTE mobile network of a Japanese mobile operator, as well, as real testbed measurements were conducted over fixed and WLAN networks. Simulations and experimental results show that our algorithm can achieve ABW estimations in real time and outperform other state-of-the-art measurement algorithms in terms of accuracy, intrusiveness, and convergence time. End-to-end available Bandwidth estimation is very much important for real-time services such as voice over internet protocol, video conferencing, and peer-to-peer streaming. The performance of a multimedia application is directly affected by bandwidth availability. One of the most important Quality of Service characteristics is ABW at a wireless route and it can be demarcated as the least unused capacity of links instituting a network route. Now there have been many bandwidth estimation techniques available in the literature to increase network performance.



Sweet Potato Tec

Office address: H135 Anbu Nagar Main Road,
Maharaja Nagar, Tirunelveli-627011

E-mail: info@sweetpotatotec.com
Website: www.sweetpotatotec.com

Ref: SPT/IND/Intern/

Date: 26.4.23

TO WHOM IT MAY CONCERN

This is to certify that Ms. E. YAZHINI THAYAMMAL (REG NO: 2021PCS05), Department of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli has undergone her internship as a partial fulfillment of the requirement for the award of the degree of Master of Computer Science in Sweet Potato Tec Private Limited, Tirunelveli.

The Internship duration is from 23rd January 2023 to 14th April 2023. During the period of the internship program with us she was found punctual, hardworking, and inquisitive.

We wish her every success in life.

For, SWEET POTATO TEC Pvt Ltd,
For Sweet Potato Tec Pvt Ltd,

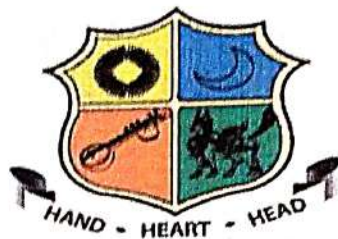
Director

Authorized Signature



EVALUATION OF POSTERIOR CAPSULE OPACIFICATION USING PYTHON

A project work report submitted to the
Department of Computer Science
In partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN COMPUTER SCIENCE



Submitted in April 2023 by
P.PARAMESWARI – 2021PCS03

Under the guidance of
Smt. M. VIJAYALAKSHMI, M.SC., M.PHIL., SET
Assistant Professor,
Department of Computer Science
SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated Manonmaniam Sundaranar University, Tirunelveli – 627 011)

(Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC)

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled "EVALUATION OF POSTERIOR CAPSULE OPACIFICATION USING PYTHON" is a bonafide work of P.PARAMESWARI of final M.Sc., Computer Science, Sri Sarada college for women (Autonomous), Tirunelveli – 627 011 in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN COMPUTER SCIENCE during the academic year 2022 - 23.

Ramale
27/4/23
PRINCIPAL
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(Autonomous)
TIRUNELVELI - 627 011

Pallinayagi
HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMPUTER SCIENCE
SRI SARADA COLLEGE FOR WOMEN,
(AUTONOMOUS)
TIRUNELVELI - 627 011.

M. Vijayalakshmi
GUIDE

T. Anitha
4/5/2023
EXTERNAL EXAMINER



DECLARATION

I hereby declare that this project work titled "EVALUATION OF POSTERIOR CAPSULE OPACIFICATION USING PYTHON " was carried out by me for the award of the degree of MASTER OF SCIENCE IN COMPUTER SCIENCE is my original work.



P. Parameswari
(P.PARAMESWARI)

M. Vijayalakshmi
Signature of the Guide



Dr Agarwals Eye Hospital

Date: 24/04/2023

Project Completion Certificate

This is to certify that Ms. P. Parameswari (Reg. No. 2021PUS03) studying M.Sc., (Computer Science) at Sri Sarada College for women (Autonomous), Tirunelveli has successfully completed 3 months project from 18 January 2023 to 31 March 2023 under my guide ship at the Department of Clinical Research, Dr. Agarwal's Eye Hospital & Post Graduate Institute of Ophthalmology, Tirunelveli.

Prof. A. Heber

Prof. A. Heber

Head - Academics & Research

Prof. HEBER ANANDAN
HEAD ACADEMICS & RESEARCH
Dr. Agarwal's Eye Hospital
Tirunelveli, Tamilnadu.



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Contact : 78248 10990 Email : info@dragarwal.com
Website : www.dragarwal.com CIN : U85100TN2010PLC075403 GST No. : 33AADCD441BMIZO

D/A

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba blessings. I wish to convey my respect to our Principal Dr. N. KAMALA M.com., M.Phil., NET., PGDCA, Ph.D., DGT for her ceaseless support.

With deep sense of respect, I profusely thank Dr. V. VALLINAYAGI M.Sc., M.Phil., Ph.D., Head and Associate Professor, Department of Computer Science for her constant encouragement.

I submit my honest and humble reverence to my guide Smt. M.VIJAYALAKSHMI, M.SC., M.PHIL., SET consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

ABSTRACT

Posterior capsule opacification (PCO) is a common complication of cataract surgery, which can lead to decreased visual acuity and quality of life. This project aims to develop a Python-based computer-aided diagnostic (CAD) system for the automatic detection of PCO using image processing and machine learning techniques. The study involves the collection of posterior capsule images from patients who have undergone cataract surgery. The images are pre-processed using filtering techniques to remove noise and improve image quality. Then, various image processing techniques, such as edge detection, morphological operations, and feature extraction, are applied to the images to segment the posterior capsule and to identify the PCO region. The PCO detection system is developed using Python programming language, and machine learning algorithms such as convolutional neural networks (CNN) and support vector machines (SVM) used to train and test the system using a dataset of labeled images. The performance of the system will be evaluated using sensitivity, specificity, accuracy, and area under the receiver operating characteristic curve (AUC). The results of this study are provide a proof-of-concept for the development of a CAD system for the automatic detection of PCO using Python programming language. The system has the potential to assist ophthalmologists in the early detection and management of PCO, leading to improved patient outcomes and quality of life. The use of Python makes the system more accessible and user-friendly to the broader scientific community, enabling further advancements in the field of PCO detection and management. Posterior capsule opacification (PCO) is a common complication that can occur after cataract surgery. This project, proposed a Python-based application that automatically detects and quantifies the extent of PCO in digital images of the posterior capsule. The application uses image processing techniques, such as edge detection and thresholding, to segment the opacified regions and calculate various metrics, such as the opacification index and percentage of opacified area. The PCO detection and quantification results are displayed in a graphical user interface for easy visualization and analysis.

DETECTION AND CLASSIFICATION OF FRUIT DISEASE USING SUPPORT VECTOR MACHINE ALGORITHM

A project work report submitted to the
Department of Computer Applications
in partial fulfillment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

S. ESAKKIAMMAL - 2021PCA03

Under the Guidance of
Dr. B. Parvathi Devi., MCA., M.Phil., Ph.D.

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled "DETECTION AND CLASSIFICATION OF FRUIT DISEASE USING SUPPORT VECTOR MACHINE ALGORITHM" is a bonafide work of S. ESAKKIAMMAL of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

A. Amale
11/11/22

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(Autonomous)
TIRUNELVELI - 627 011

[B. M. Halim]
11/11/22

HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMPUTER APPLICATIONS
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011.

B. Pankaj
INTERNAL GUIDE

B. G. S.
EXTERNAL EXAMINER
17/11/22



DECLARATION

I do hereby declare that this project work titled "**DETECTION AND CLASSIFICATION OF FRUIT DISEASE USING SUPPORT VECTOR MACHINE ALGORITHM**" was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



S Esakkiammal
(S. ESAKKIAMMAL)

B. Pambidi

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr. (Smt) M.Malini the Director cum-PG Head, Department of Computer Applications, for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Dr. (Smt) B. Parvathi Devi, MCA., M.Phil., Ph.D., for her consistent review, constructive suggestion, and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home, and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

WEB APPLICATION FOR RECOGNIZING THE DIFFERENT HUMAN FACE EMOTIONS IN REAL TIME USING REACT JAVASCRIPT

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

G.MAHALAKSHMI - 2021PCA09

Under the Guidance of
Dr.B.Parvathi Devi MCA.,M.Phil.,Ph.D
Assistant Professor, Department of Computer Applications
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'WEB APPLICATION FOR RECOGNIZING THE DIFFERENT HUMAN FACE EMOTIONS IN REAL TIME USING REACT JAVASCRIPT' is a bonafide work of G.MAHALAKSHMI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

A. Ramale
11/11/22

PRINCIPAL
PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

Dr. M. Malini
11/11/22

HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMPUTER APPLICATIONS
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011.

B. Pankaj
INTERNAL GUIDE

B. G. S.
EXTERNAL EXAMINER
17/11/22



DECLARATION

I do hereby declare that this project work titled “**WEB APPLICATION FOR RECOGNIZING THE DIFFERENT HUMAN FACE EMOTIONS IN REAL TIME USING REACT JAVASCRIPT**” was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



G. Mahalakshmi
(G.MAHALAKSHMI)

A handwritten signature in black ink, appearing to read 'B. Pavan Kumar'.

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil.,NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini the Director cum - PG Head, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide., Dr.(Smt) B.Parvathi Devi for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department,my beloved parents and siblings at home and my classmates and contemporary graduate friendswho have rendered their help and time directly and indirectly.

PREDICTION OF LEAF DISEASE OF THE CROP USING CONVOLUTIONAL NEURAL NETWORK

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022 by

G.RAJESHWARI - 2020PCA13

Under the Guidance of

Ms.V.Durga Jayanthi M.Sc.,M.Phil.,

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**PREDICTION OF LEAF OF THE CROP USING CONVOLUTIONAL NEURAL NETWORK**' is a bonafide work of G.RAJESHWARI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022 - 2023.

A. Ramale
17/11/22
PRINCIPAL

PRINCIPAL
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011

[Signature]
17/11/22
HEAD OF THE DEPARTMENT

HEAD, DEPARTMENT OF COMPUTER APPLICATIONS
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011.

V. Durga Jayanthi
INTERNAL GUIDE

B. G. [Signature]
EXTERNAL EXAMINER
17/11/22



DECLARATION

I do hereby declare that this project work titled "**PREDICTION OF LEAF DISEASE OF THE CROP USING CONVOLUTION NEURAL NETWORK**" was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



G. Rajeshwari
(G.RAJESHWARI)

V. Durga Jayanthi

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini, the Director cum PG Head, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Ms. V.Durga Jayanthi M.sc.,M.Phil., for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

AN EMPIRICAL STUDY OF COVID-19 ONLINE DETECTION TRACKING SYSTEM USING REACTJS

**A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS**



Submitted in November 2022
by

G.VAISHNAVI - 2021PCA18

Under the Guidance of
SMT.P.ANUSHA, MCA., MPhil., DGT

**Assistant Professor, Department of Computer Applications
SRI SARADA COLLEGE FOR WOMEN
(An Autonomous Institution)**

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'AN EMPIRICAL STUDY OF COVID-19 ONLINE DETECTION TRACKING SYSTEM USING REACTJS' is a bonafide work of G.VAISHNAVI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

A. Ramale
11/11/22

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TIRUNELVELI - 627 011

[Dr. M. Halim]

HEAD OF THE DEPARTMENT

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SRI SARADA COLLEGE FOR WOMEN
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TIRUNELVELI - 627 011.

P. Anurag
11/11/2022

INTERNAL GUIDE

B. S. S.
EXTERNAL EXAMINER

17/11/22



DECLARATION

I do hereby declare that this project work titled **“AN EMPIRICAL STUDY OF COVID-19 ONLINE DETECTION TRACKING SYSTEM USING REACTJS”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



G. vaishnavi
(G.VAISHNAVI)

P. Anusha 11/11/2022
Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini, the Director cum - PG Head of the department, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Smt. P. Anusha, M.C.A.,MPhil.,DGT, for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

WEB APPLICATION FOR PREDICTION OF KIDNEY DISEASE USING RANDOM FOREST CLASSIFIER

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

H.MUTHULAKSHMI – 2021PCA11

Under the Guidance of

Smt. G.Ramani MCA.,M.Phil.,SET

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**WEB APPLICATION FOR PREDICTION OF KIDNEY DISEASE USING RANDOM FOREST CLASSIFIER**' is a bonafide work of H.MUTHULAKSHMI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022-2023.

Ramale
11/11/22

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(Autonomous)
TIRUNELVELI - 627 011

[Signature]
Dr. H. Muthulakshmi

HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMPUTER APPLICATIONS
SRI SARADA COLLEGE FOR WOMEN
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TIRUNELVELI - 627 011.

A. Ramesh

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EXTERNAL EXAMINER
17/11/22



DECLARATION

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(H.MUTHULAKSHMI)

H. Muthulakshmi

G. Ramani

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

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WEB APPLICATION DEVELOPMENT FOR HEART DISEASE PREDICTION USING REACT JS

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

K. MUTHU MALATHI - 2021PCA10

Under the Guidance of

Smt. G. Ramani MCA., MPhil., SET

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled "WEB APPLICATION DEVELOPMENT FOR HEART DISEASE PREDICTION USING REACTJS" is a bonafide work of K. Muthu Malathi of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

Ramale
17/11/22
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[Signature]
[Do. M. Malathi]
HEAD OF THE DEPARTMENT

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DECLARATION

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K. Muthu Malathi
(K. MUTHU MALATHI)

G. Raman

Signature of the Internal Guide

ACKNOWLEDGEMENT

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WEB APPLICATION FOR ONLINE QUIZ USING REACT JAVASCRIPT

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022

by

M. CHIDHAMBARA ABIRAMI – 2021PCA02

Under the Guidance of

Smt. M. Sudarveni@subha MCA.,M.Phil.,DGT

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

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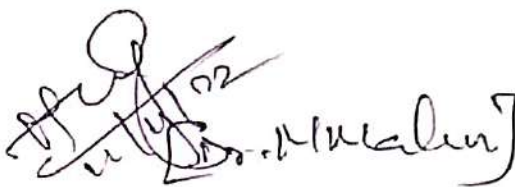
TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**WEB APPLICATION FOR ONLINE QUIZ USING REACT JAVA SCRIPT**' is a bonafide work of M. CHIDHAMBARA ABIRAMI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022 - 2023.

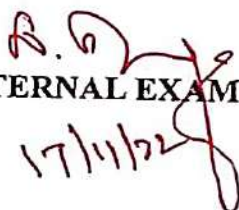

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DECLARATION

I do hereby declare that this project work titled "**WEB APPLICATION FOR ONLINE QUIZ USING REACT JAVASCRIPT**" was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



M. Chidhambara Abirami
(M. CHIDHAMBARA ABIRAMI)

M. Sudar Veni

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

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I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

ASSESSMENT OF PERFORMANCE OF THE MODEL FOR PREDICTION OF DIABETES BY ANALYZING THREE ALGORITHMS

A project work report submitted to the
Department of Computer Applications
In partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

M. INDUMATHI - 2021PCA08

Under the Guidance of

Smt. P. Anusha, MCA, M.Phil., DGT

Assistant Professor & Head, Department of Computer
Applications

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

DECLARATION

I do hereby declare that this project work titled **“ASSESSMENT OF PERFORMANCE OF THE MODEL FOR PREDICTION OF DIABETES BY ANALYZING THREE ALGORITHMS”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.





M. Indumathi
(M. INDUMATHI)

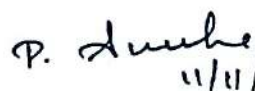
P. Anusha 11/11/2022
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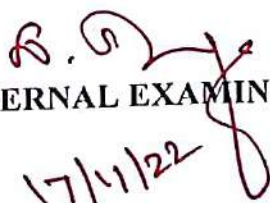
CERTIFICATE

This is to certify that this project work titled "ASSESSMENT OF PERFORMANCE OF THE MODEL FOR PREDICTION OF DIABETES BY ANALYZING THREE ALGORITHMS" is a bonafide work of M. INDUMATHI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.


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17/11/22



ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

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I submit my honest and humble reverence to my guide (Smt). P. Anusha, MCA., M.Phil., DGT for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

WEB APPLICATION DEVELOPMENT FOR THE DETERMINATION OF CALORIES ON FOOD ITEMS USING REACTJS

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by
N.Gomathi – 2021PCA6

Under the Guidance of

Dr.(Smt) M.Malini

Director cum – PG Head, Department of Computer
Applications

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

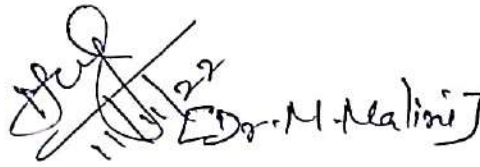
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This is to certify that this project work titled '**WEB APPLICATION DEVELOPMENT FOR THE DETERMINATION OF CALORIES ON FOOD ITEMS USING REACTJS**' is a bonafide work of N.GOMATHI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022 - 2023.


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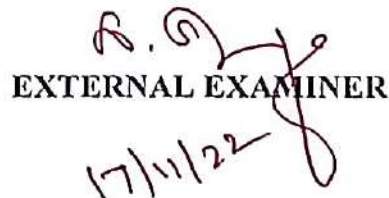

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SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011.


11/11/22

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DECLARATION

I do hereby declare that this project work titled **“WEB APPLICATION DEVELOPMENT FOR THE DETERMINATION OF CALORIES ON FOOD ITEMS USING REACTJS”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



N. Gomathi

(N. GOMATHI)

A handwritten signature in black ink, appearing to be 'S. S. S.', with the date '21/11/22' written below it.

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

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WEB APPLICATION FOR PREDICTING HUMAN DISEASE USING MACHINE LEARNING ALGORITHMS

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022

by

P. AYERATHAMMAL- 2021PCA01

Under the Guidance of

Dr. B. Parvathi Devi MCA., M.Phil., Ph.D

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

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Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled ' **WEB APPLICATION FOR PREDICTING HUMAN DISEASE USING MACHINE LEARNING ALGORITHMS** ' is a bonafide work of P.AYERATHAMAL of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022 - 2023.

Pamale
11/11/22
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[Signature]
11/11/22
[Dr. M. Malini]

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TIRUNELVELI - 627 011.

B. Paruthi
INTERNAL GUIDE

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17/11/22
EXTERNAL EXAMINER



DECLARATION

I do hereby declare that this project work titled **"WEB APPLICATION FOR PREDICTING HUMAN DISEASE USING MACHINE LEARNING ALGORITHMS"** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



P. Ayerathammal
(P. AYERATHAMMAL)

B. Pavithra Devi
Signature of the Internal Guide

ACKNOWLEDGEMENT

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DETECTION OF SKIN CANCER USING CT SCAN IMAGE FROM SVM ALGORITHM

**A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS**



Submitted in November 2022 by

P.SUBBULAKSHMI - 2021PCA15

Under the Guidance of

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Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

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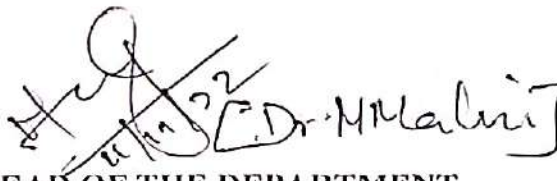
TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

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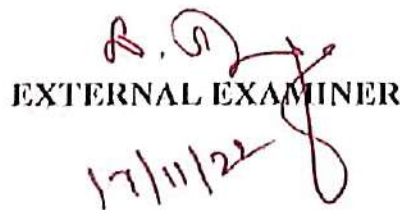
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17/11/22



DECLARATION

I do hereby declare that this project work titled "**DETECTION OF SKIN CANCER USING CT SCAN IMAGE FROM SVM ALGORITHM**" was carried out by my self for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



P. Subbulakshmi

(P.SUBBULAKSHMI)


Signature of the Internal Guide

ACKNOWLEDGEMENT

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DETECTION OF BRAIN TUMOR AND DETERMINATION OF STAGE OF THE TUMOR USING SVM ALGORITHM FROM MEDICAL IMAGE

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

R. INDHU RANI – 2021PCA07

Under the Guidance of

Smt. P. Anusha, MCA., MPhil., DGT

Assistant Professor & Head, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

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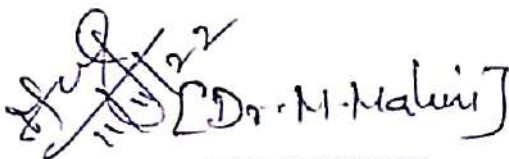
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled "DETECTION OF BRAIN TUMOR AND DETERMINATION OF STAGE OF THE TUMOR USING SVM ALGORITHM FROM MEDICAL IMAGE" is a bonafide work of R. INDHU RANI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.


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TIRUNELVELI - 627 011.


INTERNAL GUIDE 17/11/2022


EXTERNAL EXAMINER

17/11/22



DECLARATION

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R. Indhu Rani.
(R. INDHU RANI)

P. Anand
11/11/2022
Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr. (Smt) M.Malini the Director cum - PG Head, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Smt. P. Anusha, MCA., MPhil., DGT for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

PERFORMANCE ASSESSMENT OF ALGORITHMS IN CLUSTERING THE DNA SEQUENCE USING MACHINE LEARNING ALGORITHMS

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022 by

R.NANDINI-2021PCA12

Under the Guidance of

Dr.M.Malini

Director cum – PG Head, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**PERFORMANCE ASSESSMENT OF ALGORITHMS IN CLUSTERING THE DNA SEQUENCE USING MACHINE LEARNING ALGORITHMS**' is a bonafide work of R.NANDINI of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022 - 2023.


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11/11/22

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(Autonomous)
TIRUNELVELI - 627 011.


11/11/22

INTERNAL GUIDE


17/11/22

EXTERNAL EXAMINER



DECLARATION

I do hereby declare that this project work titled **“PERFORMANCE ASSESSMENT OF ALGORITHMS IN CLUSTERING THE DNA SEQUENCE USING MACHINE LEARNING ALGORITHMS”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



R. Nandini
(R. NANDINI)

[Signature]

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings.

I wish to convey my respect to our Principal Dr.(Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini the Director cum – PG Head , Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Dr.(Smt) M.Malini the Director, for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

WEB APPLICATION DEVELOPMENT FOR PREDICTION OF BREAST CANCER USING RANDOM FOREST ALGORITHM IN PYTHON

A project work report submitted to the
Department of Computer Applications
in partial fulfillment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022 by

S. ESAKKIAMMAL– 2021PCA04

Under the Guidance of

S.Vimala, MCA., MPhil.,

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

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Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC

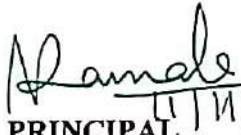
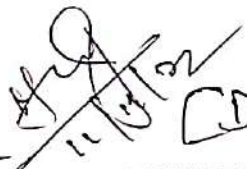

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

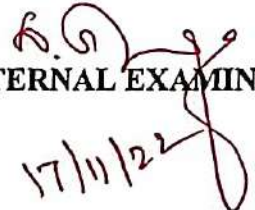
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled is "WEB APPLICATION DEVELOPMENT FOR PREDICTION OF BREAST CANCER USING RANDOM FOREST ALGORITHM IN PYTHON" a bona fide work of S. ESAKKIAMMAL of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

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TIRUNELVELI - 627 011	TIRUNELVELI - 627 011,	


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EXTERNAL EXAMINER



I do hereby declare that this project work titled **“WEB APPLICATION DEVELOPMENT FOR PREDICTION OF BREAST CANCER USING RANDOM FOREST ALGORITHM IN PYTHON”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



S. Esakkiammal.
(S. ESAKKIAMMAL)

S. Vimala
Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr. (Smt) M.Malini the Director & PG Head of the department, Department of Computer Applications, for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide S.Vimala MCA., MPil, for her consistent review, constructive suggestion, and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home, and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

WEB APPLICATION TO PUBLISH THE TUTORIAL FOR PYTHON PROGRAMMING ON THE GOOGLE DOMAIN

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022 by

S.Gayathri – 2021PCA05

Under the Guidance of

Dr.(Smt) M.Malini

Director cum – PG Head, Department of Computer
Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

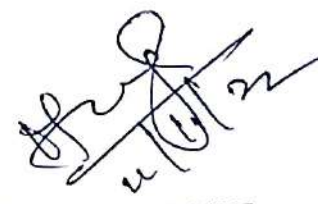
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

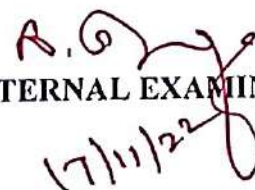
TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled '**WEB APPLICATION TO PUBLISH THE TUTORIAL FOR PYTHON PROGRAMMING ON THE GOOGLE DOMAIN**' is a bonafide work of S.Gayathri of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli – 627011 in partial fulfilment of the requirements for the award of degree of **MASTER OF COMPUTER APPLICATIONS** during the academic year 2022 - 2023.


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HEAD, DEPARTMENT OF COMPUTER APPLICATIONS
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011.


17/11/22
EXTERNAL EXAMINER



DECLARATION

I do hereby declare that this project work titled **“WEB APPLICATION TO PUBLISH THE TUTORIAL FOR PYTHON PROGRAMMING ON THE GOOGLE DOMAIN”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



S Gayathri
(S. GAYATHRI)

A handwritten signature in black ink, appearing to be 'S. Gayathri', with the date '12/11/22' written below it.

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini the Director cum - PG Head, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Dr.(Smt) M.Malini for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

**RECOGNITION OF AUTOMOBILE'S NUMBER FROM THE IMAGE OF
VEHICLE NUMBER PLATE USING SUPPORT VECTOR MACHINE
ALGORITHM**

A project work report submitted to the
Department of Computer Applications
In partial fulfillment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

S. RESHMA - 2021PCA14

Under the Guidance of

Dr.B. Parvathi Devi, MCA., M.Phil., Ph.D

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by
NAAC(A Branch of Sri Ramakrishna Tapovanam, Tirupparithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'RECOGNITION OF AUTOMOBILE'S NUMBER FROM IMAGE OF VEHICLE NUMBER PLATE USING SUPPORT VECTOR MACHINE ALGORITHM IN MATLAB' is a bonafide work S. RESHMA of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfillment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

Ramale
11/11/22

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[Signature]

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(Autonomous)
TIRUNELVELI - 627 011.

B. Pankaj

INTERNAL GUIDE

B. G.
EXTERNAL EXAMINER
(7/11/22)



DECLARATION

I do hereby declare that this project work titled "RECOGNITION OF AUTOMOBILE'S NUMBER FROM IMAGE OF VEHICLE NUMBER PLATE USING SUPPORT VECTOR MACHINE ALGORITHM IN MATLAB" was carried out by myself for the award of the degree of MASTER OF COMPUTER APPLICATIONS is my original work.



Reshma S
(S.RESHMA)

B. Pankaj

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amb blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com, M.Phil.,NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini the Director cum-PG Head, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide Dr.(Smt) B. Parvathi Devi, MCA., M.Phil., Ph.D for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

HIDDING A TEXT USING ENCODING AND DECODING TECHNIQUE IN PYTHON

A project work report submitted to the
Department of Computer Applications
In partialfulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



**Submitted in November 2022
by**

V.SUGANYA - 2021PCA16

Under the Guidance of

Dr. (Smt) M .Malini

Director cum PG Head, Department of Computer
Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

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Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

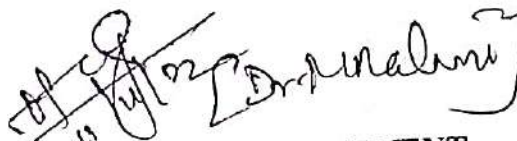
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627011, TAMILNADU, INDIA.

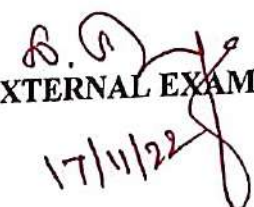
CERTIFICATE

This is to certify that this project work titled "HIDDING A TEXT USING ENCODING AND DECODING TECHNIQUE IN PYTHON" is a bonafide work of V. SUGANYA of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 -2023.


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(Autonomous)
TIRUNELVELI - 627 011.


INTERNAL GUIDE


EXTERNAL EXAMINER
17/11/22



DECLARATION

I do here by declare that this project work titled **“HIDDING A TEXT USING ENCODING AND DECODING TECHNIQUE IN PYTHON”** was carried out by myself for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is my original work.



V. Suganya
(V. SUGANYA)



Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil.,NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr. (Smt) M. Malini, the Director cum - PG Head, Department of Computer Applications for her commendable support for the successful completion of this work.

I submit my honest and humble reverence to my guide (Smt) M. Malini, the Director cum - PG Head, for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members at the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

WEB DEVELOPMENT OF REAL TIME OBJECT DETECTION USING REACTJS WITH COCO-SSD

A project work report submitted to the
Department of Computer Applications
in partial fulfilment of the requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS



Submitted in November 2022
by

V.UMA KOHILA - 2021PCA17

Under the Guidance of
Smt G.RAMANI MCA,M.Phil,SET

Assistant Professor, Department of Computer Applications

SRI SARADA COLLEGE FOR WOMEN

(An Autonomous Institution)

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re- accredited with 'A' Grade by

NAAC(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

TIRUNELVELI-627 011, TAMIL NADU, INDIA.

CERTIFICATE

This is to certify that this project work titled 'WEB DEVELOPMENT OF REAL TIME OBJECT DETECTION USING REACTJS WITH COCO-SSD' is a bonafide work of V.UMA KOHILA of final year MCA., Sri Sarada College for Women (Autonomous), Tirunelveli - 627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMPUTER APPLICATIONS during the academic year 2022 - 2023.

Ramale
17/11/22

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SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
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17/11/22

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HEAD, DEPARTMENT OF COMPUTER APPLICATIONS
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
TIRUNELVELI - 627 011.

INTERNAL GUIDE

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17/11/22

EXTERNAL EXAMINER



DECLARATION

I do hereby declare that this project work titled 'WEB DEVELOPMENT OF REAL TIME OBJECT DETECTION USING REACTJS WITH COCO-SSD' was carried out by myself for the award of the degree of MASTER OF COMPUTER APPLICATIONS is my original work.



V. Uma Kohila
(V.UMA KOHILA)
2021PCA17

A. Raman

Signature of the Internal Guide

ACKNOWLEDGEMENT

I express my deep gratitude to our Secretary Yatiswari Saravanabhavapriya Amba's blessings. I wish to convey my respect to our Principal Dr. (Smt) N. Kamala, M.Com., M.Phil., NET, PGDCA., Ph.D., for her ceaseless support.

I am greatly indebted to Dr.(Smt) M.Malini the Director cum-PG Department of Computer Applications for her commendable support for the successful completion of this work. I submit my honest and humble reverence to my guide., Smt G.RAMANI MCA, M.Phil, SET for her consistent review, constructive suggestion and critical interpretation throughout the work which enabled me to complete this project harmoniously and successfully.

I further acknowledge the inquisitive interactions of faculty members of the department, my beloved parents and siblings at home and my classmates and contemporary graduate friends who have rendered their help and time directly and indirectly.

**A STUDY ON PROBLEMS AND PROSPECTS FACED BY THE
EMPLOYEES IN SELECTED SPINNING MILLS WITH SPECIAL
REFERENCE TO TIRUNELVELI CITY**

Project submitted to

MANONMANIAM SUNDARANAR UNIVERSITY

In partial fulfillment of the requirements for the award of the degree of

MASTER OF COMMERCE

Submitted by

P. SEETHA LAKSHMI

Reg.No: 2021PCO23



Under the Guidance of

Dr. (Smt) R. PUSHPALATHA M.COM., M.PHIL., PH.D.,

SRI SARADA COLLEGE FOR WOMEN

(Re-Accredited with 'A' Grade by NAAC)

Institution is recognized by UGC under section 2(F) and 12(B)

Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012.

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaitturai)

Sarada Nagar, Ariyakulam, Maharajanagar (P.O).

Tirunelveli – 627011. Tamil Nadu – India.

May 2023

CERTIFICATE


This is to certify that this project work titled 'A STUDY ON PROBLEMS AND PROSPECTS FACED BY THE EMPLOYEES IN SELECTED SPINNING MILLS WITH SPECIAL REFERENCE TO TIRUNELVELI CITY' is a bonafide work of P.SEETHA LAKSHMI Final Year, M.Com,Commerce, Sri Sarada College for women (Autonomous), Tirunelveli-627011 in partial fulfillment of the requirements for the award of degree of MASTER OF COMMERCE during the academic year 2022 - 23

Place: Tirunelveli

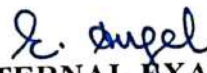
Date: 4.5.2023.


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SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI - 627 011.


INTERNAL GUIDE


EXTERNAL EXAMINER
Lt. Dr. E. Angel Saral Rose.,
M.Com.,M.Phil.,MBA.,PGDCA.,Ph.D.,
Department of Commerce and Research Centre
Sarah Tucker College, Tirunelveli-627007



DECLARATION

I hereby declare that this project work titled "A STUDY ON PROBLEMS AND PROSPECTS FACED BY THE EMPLOYEES IN SELECTED SPINNING MILLS WITH SPECIAL REFERENCE TO TIRUNELVELI CITY" was carried out by me for the award of the degree of Master of Commerce is my original work.



P. Seetha Lakshmi
P. SEETHA LAKSHMI


Signature of the Internal Guide

ACKNOWLEDGEMENT

I think God Almighty who leads me all through this project, **“A STUDY ON PROBLEMS AND PROSPECTS FACED BY THE EMPLOYEES IN SELECTED SPINNING MILLS WITH SPECIAL REFERENCE TO TIRUNELVELI CITY”**

I express my sincere gratitude to our Secretary, **Yatiswari Saravanabhavapriya Ambaji**, Sri Sarada College for Women, Tirunelveli for her blessings.

I wish to convey my sincere gratitude to our honorable Principal **Dr. N.Kamala, M.Com.,M.Phil.,NET.,PGDCA.,Ph.D.,DGT.**, Sri Sarada College for Women for her precious advice and support.

I namely express my credit to **Dr.A.ArunaDevi, M.Com.,M.Phil.,DPTT.,PGDCA.,DGT, ADFTM, Ph.D. (MSW)** Associate Professor & Head PG & Research Department of commerce, Sri Sarada College for women, Tirunelveli -11, for her priceless help throughout my career and her kind support.

I deeply express thanks to my guide **Dr. (Smt), R. PUSHPA LATHA M.Com, M.Phil., Ph.D.**, for her valuable support and guidance for completion of this project.

I owe my thanks to the all the faculties of PG& Research Department of Commerce for their constant support in the completion of the project.

I owe my indebtiness to people who provide data in Tirunelveli where the study was under taken.

I thank my friends for practical and administrative assistance during my work. I am thankful to my parents for their constant support, help, co-operation and encouragement in all possible ways for successful completion of this project.

**A STUDY ON QUALITY OF WORK LIFE BALANCE AMONG EMPOLYEES OF
PRIVATE SECTORS BANKS IN TIRUNELVELI CITY**

Dissertation submitted to

MANONMANIAM SUNDARANAR UNIVERSITY

In partial fulfillment of the requirements for the award of the degree of

MASTER OF COMMERCE

Submitted by

M. BUVANESWARI

Reg. No: 2021PCO05



Under the Guidance of

Dr.(smt) . R. PUSHPALATHA MCom., M.Phil., Ph.D

Assistant professor

PG and Research Department of Commerce

SRI SARADA COLLEGE FOR WOMEN(AUTONOMOUS)

(Re-Accredited with 'A' Grade by NAAC)

Institution is recognized by UGC under section 2(f) and 12(b)

Affiliated to ManonmaniamSundaranar University Tirunelveli-627012.

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaitturai)

Sarada Nagar, Ariyakulam, Maharajanagar (P.O)Tirunelveli – 627011, Tamil Nadu- India.

MAY2023

CERTIFICATE

This is to certify that this project work titled "A STUDY ON QUALITY OF WORK LIFE BALANCE AMONG EMPLOYEES OF PRIVATE SECTORS BANKS IN TIRUNELVELI CITY" is a bonafide work of M. BUVANESWARI Final Year, M.com., Commerce, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMMERCE during the academic year 2022 - 23.

Place: Tirunelveli

Date: 4.5.2023.


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(Autonomous)
TIRUNELVELI - 627 011


HEAD OF THE DEPARTMENT
HEAD, DEPARTMENT OF COMMERCE WITH CORPORATE SECRETARISHP
SRI SARADA COLLEGE FOR WOMEN
(AUTONOMOUS)
TIRUNELVELI - 627 011.


INTERNAL GUIDE


EXTERNAL EXAMINER

Lt. Dr. E. Angel Saral Rose.,
M.Com., M.Phil., MBA., PGDCA., Ph.D.,
Department of Commerce and Research Centre
Sarah Tucker College, Tirunelveli-627007.



DECLARATION

I hereby declare that this project work titled "A STUDY ON QUALITY OF WORK LIFE BALANCE AMONG EMPOLYEEES OF PRIVATE SECTORS BANKS IN TIRUNELVELI CITY" was carried out by me for the award of the degree of MASTER OF COMMERCE is my original work.



M. Buvaneswari

M.BUVANESWARI

II M COM

Place :

M. Buvaneswari

Signature of the scholar

Date:

R. Puth

signature of the internal guide.

ACKNOWLEDGEMENT

I think god almighty who leads me all through the project "A STUDY ON QUALITY OF WORK LIFE BALANCE AMONG EMPOLYEES OF PRIVATE SECTORS BANKS IN TIRUNELVELI CITY".

I express my sincere gratitude to our Secretary, **yatiswariSaravanbhavapriyaAmbaji**, Sri Sarada College for Women (Autonomous), Tirunelveli for her blessings.

I wish to convey my sincere gratitude to our honourable Principal Dr. (Smt). **N. Kamala, M.Com., M.Phil., NET., PDGCA., Ph.D., DGT** Sri Sarada College for Women for her precious advice and support.

I warmly express my credit to **Dr,(smt). A. Aruna Devi, MCom., M.Phil., DPTT., PGDCA., DGT.,Ph.D (MSW)** Associated professor & Head., PG & Research Department Of commerce, Sri Sarada College for Women (Autonomous), Tirunelveli-11 for her priceless help throughout my career and kind of support

I deeply express thanks to my Guide **Dr.(smt) . R. PUSHPALATHA MCom., M.Phil., Ph.D (MSW)**for her valuable support and guidance for completion of this dissertation.

I owe my thanks to all the faculties of PG & Research Department of Commerce for their constant support in the completion of the dissertation.

I owe my ineptness to people who provide data in Tirunelveli where the study was undertaken.

I thank my friends for practical and administrative assistance during my work.

I am thankful to my parents for their constant support, help, co-operation and encouragement in all possible ways for the successful completion of this dissertation.

**“A STUDY ON POSTAL INVESTMENT SCHEME
WITH SPECIAL REFERENCE TO GOVERNMENT EMPLOYEE'S IN
TIRUNELVELI CITY”**

Project Submitted to
MANONMANIAM SUNDARANAR UNIVERSITY

In partial fulfilment of the requirements for the award of the degree of

MASTER OF COMMERCE

Submitted by

M. KALA SHREE

Reg. No: 2021PCO10



Under the Guidance of

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Assistant Professor,

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaiturai)

Sarada Nagar, Ariyakulam, Maharajanagar (P.O),

Tirunelveli – 627011, Tamil Nadu- India

MAY 2023

CERTIFICATE

This is to certify that this project work titled 'A STUDY ON POSTAL INVESTMENT SCHEME WITH SPECIAL REFERENCE TO GOVERNMENT EMPLOYEE'S IN TIRUNELVELI CITY.' is a bonafide work of M.KALA SHREE Final Year, M.com., Commerce, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in partial fulfilment of the requirements for the award of degree of MASTER OF COMMERCE during the academic year 2022 - 23.

Place: Tirunelveli

Date: 4/05/2023



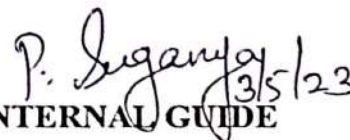
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TIRUNELVELI - 627 011



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HEAD, DEPARTMENT OF COMMERCE WITH CORPORATE SECRETARIYSHIP
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INTERNAL GUIDE



EXTERNAL EXAMINER

Lt. Dr. E. Angel Saral Rose.,
M.Com., M.Phil., MBA, PGDCA, Ph.D.,
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Sarah Tucker College, Tirunelveli-627007



DECLARATION

I hereby declare that this project work titled "**A STUDY ON POSTAL INVESTMENT SCHEME WITH SPECIAL REFERENCE TO GOVERNMENT EMPLOYEE'S IN TIRUNELVELI CITY**" was carried out by me for the award of the degree of **MASTER OF COMMERCE** is my original work.



M. Kala Shree
M. Kala Shree

P. Suganya 3/5/23
Signature of the Internal Guide

ACKNOWLEDGEMENT

I thank God Almighty who leads me all through this dissertation **"A STUDY ON POSTAL INVESTMENT SCHEME WITH SPECIAL REFERENCE TO GOVERNMENT EMPLOYEE'S IN TIRUNELVELI CITY"**

I express my sincere gratitude to our Secretary, **Yatiswari Saravanbhavapriya Ambaji**, Sri Sarada College for Women (Autonomous), Tirunelveli for her blessings.

I wish to convey my sincere gratitude to our honourable Principal **Dr. (Smt). N. Kamala, M.Com., M.Phil., NET., PDGCA., Ph.D., DGT** Sri Sarada College for Women for her precious advice and support.

I warmly express my credit to **Dr.(Smt). A. Aruna Devi, M.Com., M.Phil., DPTT., PGDCA., DGT., Ph.D (MSW)** Associate professor & Head, PG & Research Department of Commerce, Sri Sarada College for Women (Autonomous), Tirunelveli – 11, for her priceless help throughout my career and her kind support.

I deeply express thanks to my Guide **Dr.(Smt)P.SUGANYA M.COM, M.Phil., PGDCA, CGT, Ph.D** for her valuable support and guidance for completion of this dissertation.

I owe my thanks to all the faculties of PG & Research Department of Commerce for their constant support in the completion of the dissertation.

I owe my indebtedness to people who provide data in Tirunelveli where the study was undertaken. I thank my sister for practical and administrative assistance during my work I am thankful to my parents for their constant support, help, co-operation and encouragement in all possible ways for the successful completion of this Project.

**A STUDY ON PERCEPTION TOWARDS ONLINE PAYMENT SYSTEM
AMONG CUSTOMERS WITH SPECIAL REFERENCE TO
TIRUNELVELI CITY**

Project submitted to

MANONMANIAM SUNDARANAR UNIVERSITY

In partial fulfillment of the requirements for the award of the degree of

MASTER OF COMMERCE

Submitted by

S.MUTHU ESWARI

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Under the Guidance of

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Affiliated to Manonmaniam Sundaranar University Tirunelveli-627012.

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Sarada Nagar, Ariyakulam, Maharajanagar (P.O),

Tirunelveli – 627011. Tamil Nadu – India.

May 2023

CERTIFICATE

This is to certify that this project work titled 'A STUDY ON PERCEPTION TOWARDS ONLINE PAYMENT SYSTEM AMONG CUSTOMERS WITH SPECIAL REFERENCE TO TIRUNELVELI CITY' is a bonafide work of S. MUTHU ESWARI Final Year, M.Com, Commerce, Sri Sarada Collage for women (Autonomous), Tirunelveli-627011 in partial fulfillment of the requirements for the award of degree of MASTER OF COMMERRCE during the academic year 2022 - 23

Place: Tirunelveli

Date: 04.05.2023



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HEAD, DEPARTMENT OF COMMERCE WITH CORPORATE SECRETARIATSHIP

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INTERNAL GUIDE



EXTERNAL EXAMINER

Lt. Dr. E. Angel Saral Rose.,
M.Com, M.Phil, MBA, PGDCA, Ph.D.,
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Sarah Tucker College, Tirunelveli-627007.



DECLARATION

I hereby declare that this project work titled "A STUDY ON PERCEPTION TOWARDS ONLINE PAYMENT SYSTEM AMONG CUSTOMERS WITH SPECIAL REFERENCE TO TIRUNELVELI CITY" was carried out by me for the award of the degree of Master of Commerce is my original work.



S. Muthu Eswari
S. MUTHU ESWARI

E. J. Gnana Sundari
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S. Muthu Eswari
SIGNATURE OF THE SCHOLAR.
(S. MUTHU ESWARI)

ACKNOWLEDGEMENT

I think God Almighty who leads me all through this project, **“A STUDY ON PERCEPTION TOWARDS ONLINE PAYMENT SYSTEM AMONG CUSTOMERS WITH SPECIAL REFERENCE TO TIRUNELVELI CITY”**

I express my sincere gratitude to our Secretary, Yatiswari Saravanabhavapriya Ambaji, Sri Sarada College for Women, Tirunelveli for her blessings.

I wish to convey my sincere gratitude to our honourable Principal **Dr. N. Kamala, M.Com., M.Phil., NET., PGDCA., Ph.D., DGT.,** Sri Sarada College for Women for her precious advice and support.

I namely express my credit to **Dr.A.ArunaDevi, M.Com., M.Phil., DPTT., PGDCA., DGT, ADFTM, Ph.D. (MSW)** Associate Professor & Head PG & Research Department of commerce, Sri Sarada College for women, Tirunelveli -11, for her priceless help throughout my career and her kind support.

I deeply express thanks to my guide **Selvi. E. Thiru Gnana Sundari M.com., M.Phil.** for her valuable support and guidance for completion of this project.

I owe my thanks to the all the faculties of PG& Research Department of Commerce for their constant support in the completion of the project.

I owe my indebtedness to people who provide data in Tirunelveli where the study was under taken.

I thank my friends for practical and administrative assistance during my work. I am thankful to my parents for their constant support, help, co-operation and encouragement in all possible ways for successful completion of this project.

**A STUDY ON “PROBLEMS AND PROSPECTS OF SMALL RUBBER
CULTIVATORS IN MARTHANDAM AREA” WITH SPECIAL
REFERENCE TO KANYAKUMARI DISTRICT**

Project submitted to

MANONMANIAM SUNDARANAR UNIVERSITY

In partial fulfilment of the requirements for the award of the degree of

MASTER OF COMMERCE

Submitted by

Harishma.R

Reg. No: 2021PCO08



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MAY 2023

ACKNOWLEDGEMENT

I thank God Almighty who leads me all through this dissertation **A STUDY ON “PROBLEMS AND PROSPECTS OF SMALL RUBBER CULTIVATORS IN MARTHANDAM AREA” WITH SPECIAL REFERENCE TO KANYAKUMARI DISTRICT.**

I express my sincere gratitude to our Secretary, **Yatiswari Saravanbhavapriya Ambaji**, Sri Sarada College for Women (Autonomous), Tirunelveli for her blessings.

I wish to convey my sincere gratitude to our honourable Principal **Dr. (Smt). N. Kamala, M.Com., M.Phil., NET., PDGCA., Ph.D., DGT** Sri Sarada College for Women for her precious advice and support.

I warmly express my credit to **Dr.(Smt). A. Aruna Devi, M.Com., M.Phil., DPTT., PGDCA., DGT., Ph.D (MSW)** Associate professor & Head, PG & Research Department of Commerce, Sri Sarada College for Women (Autonomous), Tirunelveli – 11, for her priceless help throughout my career and her kind support.

I deeply express thanks to my Guide **Dr.(Smt)P.SUGANYA M.Com, M.Phil., PGDCA, CGT, Ph.D** for her valuable support and guidance for completion of this dissertation.

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I owe my indebtedness to people who provide data in Tirunelveli where the study was undertaken.

I thank my friends for practical and administrative assistance during my work.

I am thankful to my parents for their constant support, help, co-operation and encouragement in all possible ways for the successful completion of this dissertation.

**A PILOT STUDY: POTTERY WORKERS IN TIRUNELVELI AND TENKASI
BORDER REGION**

A project work report submitted to the
Department of Social Work
In partial fulfilment of the requirements for the award of the degree of
MASTER OF SOCIAL WORK



Submitted in

MAY 2023

by

JAYASHREE. P 2021PSW03

Under the Guidance of
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&
Joint Internal Project Mentor

Professor Sowjanya Dharmasankar

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli – 627012)

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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

Tirunelveli – 627011, Tamil Nadu, India.

DECLARATION

I hereby declare that this Project work titled "**A PILOT STUDY: POTTERY WORKERS IN TIRUNELVELI AND TENKASI BORDER REGION**" was carried out by me for the award of the degree of **MASTER OF SOCIAL WORK** is my original work.

01-5-2023


(Ms. Jayashree. P)






JAYASHREE. P

2021PSW03

CERTIFICATE

This is to certify that this project work titled "A PILOT STUDY: POTTERY WORKERS IN TIRUNELVELI AND TENKASI BORDER REGION" is a bonafide work of Jayashree. P Final Year MSW, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 submitted for the partial fulfillment of the requirements for the award of Degree of MASTER OF SOCIAL WORK during the academic year 2022-23.

 
Project Guide-External Project Mentor-Internal
Professor Kathleen Westman, Professor Sowjanya Dharmasankar


Principal
Dr N. Kamala


Head of the Department
Dr P. Akila

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A. Sathya Beo
04/05/2023



ACKNOWLEDGEMENT

I express my profound gratitude to our Secretary Amba, Yatiswari Saravanabhavapriya for her consistent blessings. I acknowledge Professor (Major) P.Chandrasekaran for his selfless support all through the programme in all possible ways and means. We would like to express my gratitude to Principal Dr.(Smt)N.Kamala, for her care and concern. I remember and thank Dr.(Smt).P.Akila, Head of the Department of Social Work.

I submit my honest and humble reverence to my overseas guide Professor Kathleen Westman, International Higher Education Consultant, Fulbright-Hays Scholar, Professor Emerita of Sociology, International Visiting Professor, Co-director International Study Abroad Course, Higher Education Sociology Professor Working in Philippines, Cambodia, UK, France and India for the profound care and review of the project work. I further thank Prof. Sowjanya Dharmasankar, Overseas Visiting Faculty for her initiative on my work at the beginning of the project and her incessant rapport for the successful completion of the project.

I further acknowledge the inquisitive interactions of faculty members at the department, our beloved parents, siblings at home and our class mates who have rendered their help directly and indirectly.

01-05-2023

**A PILOT STUDY ON THE STATUS OF PUBLIC AWARENESS ABOUT RURAL
WELFARE SCHEMES OF THE CENTRAL GOVERNMENT AT CHOSEN PLACES
OF SOUTHERN DISTRICTS OF TAMIL NADU**

A project work report submitted to the
Department of Social Work
In partial fulfilment of the requirements for the award of the degree of
MASTER OF SOCIAL WORK



Submitted in

MAY 2023

by

GEETHANJALI. S 2021PSW01

Under the Guidance of
Professor Kathleen Westman,
Professor Emerita of Sociology,
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International Visiting Professor, Co-director International Study Abroad Course,
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&

Joint Internal Project Mentor

Dr. Smt. R. Kavitha, M.F.C., M.Phil., Ph.D.,
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SRI SARADA COLLEGE FOR WOMEN

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli – 627012)
Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC
(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)
Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
Tirunelveli – 627011, Tamil Nadu, India.

DECLARATION

I hereby declare that this Project work titled "**A PILOT STUDY ON THE STATUS OF PUBLIC AWARENESS ABOUT RURAL WELFARE SCHEMES OF THE CENTRAL GOVERNMENT AT CHOSEN PLACES OF SOUTHERN DISTRICTS OF TAMIL NADU**" was carried out by me for the award of the degree of **MASTER OF SOCIAL WORK** is my original work.

01-5-2023

Geethanjali . S
(Ms Geethanjali, S)



GEETHANJALI. S

2021PSW01

CERTIFICATE

This is to certify that this project work titled "A PILOT STUDY ON THE STATUS OF PUBLIC AWARENESS ABOUT RURAL WELFARE SCHEMES OF THE CENTRAL GOVERNMENT AT CHOSEN PLACES OF SOUTHERN DISTRICTS OF TAMIL NADU" is a bonafide work of Geethanjali S Final Year MSW, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 submitted for the partial fulfillment of the requirements for the award of Degree of MASTER OF SOCIAL WORK during the academic year 2022-23.


Project Guide-External
Professor Kathleen Westman,
Project Mentor-Internal
Dr R.Kavitha
R. K. K. K.
3/5/23


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A. Sathya Balu
04/05/2023



ACKNOWLEDGEMENT

I express my profound gratitude to our Secretary Amba, Yatiswari Saravanabhavapriya for her consistent blessings. I acknowledge Professor (Major) P. Chandrasekaran for his selfless support all through the programme in all possible ways and means. We would like to express my gratitude to Principal Dr.(Smt)N.Kamala, for her care and concern. I remember and thank Dr.(Smt).P.Akila, Head of the Department of Social Work.

I submit my honest and humble reverence to my overseas guide Professor Kathleen Westman, International Higher Education Consultant, Fulbright-Hays Scholar, Professor Emerita of Sociology, International Visiting Professor, Co-director International Study Abroad Course, Higher Education Sociology Professor Working in Philippines, Cambodia, UK, France and India for the profound care and review of the project work. I further thank Dr.R.Kavitha, Assistant Professor, Department of Commerce, Sri Sarada College for Women (Autonomous), Tirunelveli 627011 for her initiative on my work at the beginning of the project and her incessant rapport for the successful completion of the project.

I further acknowledge the inquisitive interactions of faculty members at the department, our beloved parents, siblings at home and our class mates who have rendered their help directly and indirectly.

01-05-2023

**A STUDY ON SOCIO-ECONOMIC PROFILE OF THE PLAIN FARMERS IN
CHOSEN PLACES OF TUTICORIN DISTRICT**

A project work report submitted to the
Department of Social Work
In partial fulfilment of the requirements for the award of the degree of
MASTER OF SOCIAL WORK



Submitted in

MAY 2023

by

INDHU. V 2021PSW02

Under the Guidance of
Professor Kathleen Westman,
Professor Emerita of Sociology,
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International Visiting Professor, Co-director International Study Abroad Course,
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&
Joint Internal Project Mentor

Dr.V. SANGEETHA., M.Com., M. Phil., MSW, DGT, Ph. D.,
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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli – 627012)

Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

Tirunelveli – 627011, Tamil Nadu, India.

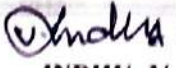
DECLARATION

I hereby declare that this Project work titled "**A STUDY ON SOCIO-ECONOMIC PROFILE OF THE PLAINAIN FARMERN IN CHOSEN PLACES OF TUTICORIN DISTRICT**" was carried out by me for the award of the degree of **MASTER OF SOCIAL WORK** is my original work.

01-5-2023


(Ms. Indhu. V)

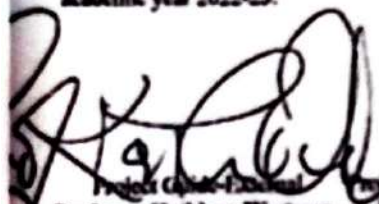




INDHU. V

2021PSW02

CERTIFICATE

This is to certify that this project work titled "A STUDY ON SOCIO-ECONOMIC PROFILE OF THE PLANTAIN FARMERS IN CHOSEN PLACES OF TUTICORIN DISTRICT" is a bonafide work of Indhu. V Final Year MSW, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 submitted for the partial fulfillment of the requirements for the award of Degree of MASTER OF SOCIAL WORK during the academic year 2022-23.

 
Project Guide-Principal Project Mentor-Internal
Professor Kathleen Westman, Dr. V. Sangretha

 
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04/05/2023



ACKNOWLEDGEMENT

I express my profound gratitude to our Secretary Amba, Yatiswari Saravanabhavapriya for her consistent blessings. I acknowledge Professor (Major) P. Chandrasekaran for his selfless support all through the programme in all possible ways and means. We would like to express my gratitude to Principal Dr.(Smt)N.Kamala, for her care and concern. I remember and thank Dr.(Smt).P.Akila, Head of the Department of Social Work.

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I further acknowledge the inquisitive interactions of faculty members at the department, our beloved parents, siblings at home and our class mates who have rendered their help directly and indirectly.

01-05-2023

**CROSS CULTURAL EVALUATION OF GENERATIONAL DIFFERENCES IN
ATTITUDES OF FOOD PREPARATION IN SELECTED PLACE OF SOUTHERN
DISTRICTS OF TAMIL NADU AND MIDWEST USA**

A project work report submitted to the
Department of Social Work
In partial fulfilment of the requirements for the award of the degree of
MASTER OF SOCIAL WORK



Submitted in

MAY 2023

by

MALATHI. P 2021PSW04

Under the Guidance of
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Higher Education Sociology Professor Working in Philippines,
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(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,

Tirunelveli – 627011, Tamil Nadu, India.

DECLARATION

I hereby declare that this Project work titled "CROSS CULTURAL EVALUATION OF GENERATIONAL DIFFERENCES IN ATTITUDES OF FOOD PREPARATION IN SELECTED PLACE OF SOUTHERN DISTRICTS OF TAMIL NADU AND MIDWEST USA" is my original work.

01-5-2023

P. Malathi
(Ms. Malathi P.)



P. Malathi
MALATHI/P

2021PSW04

CERTIFICATE

This is to certify that this project work titled "CROSS CULTURAL EVALUATION OF GENERATIONAL DIFFERENCES IN ATTITUDES OF FOOD PREPARATION IN SELECTED PLACE OF SOUTHERN DISTRICTS OF TAMIL NADU AND MIDWEST USA" is a bonafide work of Malathi. P Final Year MSW, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 submitted for the partial fulfillment of the requirements for the award of Degree of MASTER OF SOCIAL WORK during the academic year 2022-23.

Professor Kathleen Westman
Project guide-External
Professor Kathleen Westman, 3.5.23

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3/5/23
Principal Head of the Department
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04/05/2023



ACKNOWLEDGEMENT

I express my profound gratitude to our Secretary Amba, Yatiswari Saravanabhavapriya for her consistent blessings. I acknowledge Professor (Major) P. Chandrasekaran for his selfless support all through the programme in all possible ways and means. We would like to express my gratitude to Principal Dr.(Smt) N. Kamala, for her care and concern. I remember and thank Dr.(Smt). P. Akila, Head of the Department of Social Work for her constant deliberations during this programme.

I submit my honest and humble reverence to my overseas guide Professor Kathleen Westmann, International Higher Education Consultant, Fulbright-Hays Scholar, Professor Emerita of Sociology, International Visiting Professor, Co-director International Study Abroad Course, Higher Education Sociology Professor Working in Philippines, Cambodia, UK, France and India for the profound care and review of the project work.

I further acknowledge the inquisitive interactions of faculty members at the department, our beloved parents, siblings at home and our classmates and contemporary post graduates who have rendered their help directly and indirectly.

01-05-2023

(Ms. Malathi. P)

**A STUDY ON THE SOCIO - ECONOMIC - EDUCATIONAL - EMPOWERMENT
STATUS OF RURAL SAMATHUVAPURAM OCCUPANTS OF THOOTHUKUDI
DISTRICT**

A project work report submitted to the
Department of Social Work
In partial fulfilment of the requirements for the award of the degree of
MASTER OF SOCIAL WORK



Submitted in

MAY 2023

by

PREETHEESWARL R 2021PSW05

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Institution recognized u/s 2(f) and 12(B) of UGC & Re-accredited with 'A' Grade by NAAC

(A Branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Maharaja Nagar Post, Thoothukudi NH,
Tirunelveli - 627011, Tamil Nadu, India.

DECLARATION

I hereby declare that this Project work titled “A STUDY ON THE SOCIO – ECONOMIC – EDUCATIONAL – EMPOWERMENT STATUS OF RURAL SAMATHUVAPURAM OCCUPANTS OF THOOTHUKUDI DISTRICT” was carried out by me for the award of the degree of **MASTER OF SOCIAL WORK** is my original work.



01-5-2023

R. Preetheswari
(Ms Preetheswari. R)

CERTIFICATE

This is to certify that this project work titled 'A STUDY ON THE SOCIO - ECONOMIC - EDUCATIONAL - EMPOWERMENT STATUS OF RURAL SAMATHUVAPURAM OCCUPANTS OF THOOTHUKUDI DISTRICT' is a bonafide work of R. PREETHEESWARI of senior Master student of social work, Sri Sarada College for Women (Autonomous), Tirunelveli-627011 in Partial fulfillment of the requirements for the award of degree of MASTER OF SOCIAL WORK during the academic year 2022-2023

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