POST GRADUATION PROGRAMMES – PROJECT CERTIFICATES

PG & Research Department of Tamil / M.A., (Tamil) / Project Work

சான்றுகள்

"நாட்டுப்புற இலக்கியத்தில் பெண்ணிய சிந்தனைகள்" என்னும் தலைப்பில் சி.காளீஸ்வரி செய்துள்ள இவ் ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக்கழகத்தில் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது.

ூட் புக்கது மேற்பார்வையாளர்

Dr. R. Helers

PRINCIPAL Sakthi College of Aris and Science for Women Stathi Negar, Palskkanuthu (Fee). Oddan mutham, Dimingut Dist - 024 019.

2020 புறமதிப்பீட்டாளர்

M- ரட I se டீ அகமதிப்பீட்டாளர்



சான்றகள்

"பட்டினப்பாலையில் மக்களின் வாழ்வியல்" என்னும் தலைப்பில் கபவித்ரா செய்துள்ள இவ் ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக்கழகத்தில் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது.

மா. முகோத்தான். மேற்பானையாளர்

du Do R.T

(D. Babant PRINCIPAL Sakthi Callege efforts and Brienes for Varsen Sakthi Ragar, Palakhanuthy (Pel, Oscore Latran, Dadigut Dat - 574 of 7

M. T. ISCL'

no

புறமதப்பட்டாளர்

சான்றுகள்

"முக்கூடற்பள்ளு ஓர் ஆய்வு" என்னும் தலைப்பில் த.ரேணுகாதேவி செய்துள்ள இவ் ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக்கழகத்தில் முதுகலை தமிழ் இலக்கியப் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது.

M.J. ISCL

மேற்பார்வையாளர்

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po). Oddanchatram, Dindigut Diat - 624 519.

M-JL ISEL அகமதிப்பீட்டாளர்

80,0008/222

புறமதிப்பீட்டாளர்

arsi Disti

ூத்தைத்தி, தின்றவு தனத்தத்தன் ஓர் ஆப்பு" வல்லும் தலைப்பில் பாதங்கைப்கள் செய்துள்ள இவ் ஆப்பு அன்னவை தொரா வைரிர் பல்கலைகளுக்குல் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பர்த்தனர் செய்யபடுகிறது.

57-4-வெற்பார்கையாளர்

Dr. 2 Hicker. (PAKENT

FRONCIPAL Sector College of the and instance for Transsocial Copyr. Nacharacter 200, Demosteria, Endige Los. EA412

12:12/2020 une fish i sent

M_G_ Ise L'

சான்றுகள்

சிறப்பு'' என்னும் தலைப்பில் "நதி கல்வியின் நூல்களில் சு.வினிதா செய்துள்ள இவ் ஆய்வு அன்னை மகளிர் தெரசா பல்கலைக்கழகத்தில் முதுகலை தமிழ் இலக்கியப் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது.

சு - தனலை ட் சுடு , மேற்பார்வையாளர்

Sul

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkaputhu (Po), Oddanchau am, Dindigul Dist - 624 619.

M.J. Ischi

அகமதிப்பீட்டாளர்

600 புறமதிப்பீட்டாளர்

PG & Research Department of English / M.A., (English) / Project Work

Ms. P. SASI KALA, M.A., MBA., M.Phil., Assistant Professor, Research Department of English, Sakthi College of Arts and Science for Women, Oddanchatram, Dindigul -624 624.

CERTIFICATE

This is to certify that this project titled **PATRICK WHITE'S** *VOSS:* **A JOURNEY TOWARDS MEANING** is a bonafide record of project work done by **P. JEYAPRIYA** submitted to Mother Teresa Women's University, Kodaikanal, in partial fulfillment of requirements for the award of the Degree of Master of Arts in English Literature and that the project work has not formed the basis for the award of any other degree. This is an independent work of the candidate under my guidance.

Place: Oddanchatram Date: 06 08 - 20 20 P. Sasi kalo (RESEARCH GUIDE) (Ms.P.SASI KALA)

80 P. Salikala

HOD AND INTERNAL EXAMINER

Research Department of English Sakihi College of Arts and Science for Women, Sakihi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619. Dindigul Dist. N.Y. EXTERNAL EXAMINER

DR. N.GNANASELVI, MA., B.Ed.M.Phil.Ph.D., ASSISTANT PROFESSOR IN ENGLISH GUIDESHIP NO. 1751 PG & RESEARCH DEPARTMENT OF ENGLISH BRI MEENAKSHI GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUG), MADURAI - 625 002

CIPAL.

PRINCIPAE Sakthi College of Aris and Science for Women Sakthi Nagar, Palakkanuthu (Poj Oddanchatram, Dindigul Dister Ms. M.VENNILA, M.A., M.A.(WS)., M.Ed., M.Phil., (Ph.D), Head and Assistant Professor, Research Department of English, Sakthi College of Arts and Science for Women, Oddanchatram, Dindigul -624 624.

CERTIFICATE

This is to certify that this project titled CONFLICT BETWEEN TRADITIONALISM AND MODERNISM IN THAKAZHI SIVASANKARA PILLAI'S CHEMMEEN is a bonafide record of project work done by T.NANDHINI submitted to Mother Teresa Women's University, Kodaikanal, in partial fulfillment of requirements for the award of the Degree of Master of Arts in English Literature and that the project work has not formed the basis for the award of any other degree. This is an independent work of the candidate under my guidance.

Place: Oddanchatram Date: 06.08.202

IC IP Sankale

HOD AND INTERNAL EXAMINER

Research Department of English Satthi College of Arts and Science for Women, Satthi Nagar, Palakinnuthu (Po), Oudanchatram - 624 619. Dindigul Dist.

M. Vernile

(RESEARCH GUIDE) (Ms. M.VENNILA)

N.C

EXTERNALEXAMINER DR. N. GNANASELVI, MA, B.Ed. JUPMI, Ph.D., ASSISTANT PROFESSOR IN ENGLISH GUIDE SHIP NG 1751 PG & RESEARCH DEPARTMENT OF ENGLISH MEENAKSHI GOVT ARTS COLLEGE FOR WOME (AUTONOMOUS), MADURAL - 525 002

PRINCIPAE Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po) Od Lanchatrara, Dindigui Dist

LD

Mrs. P. ISAYAKALA. M.A., M. Phil., PGDCA., Assistant Professor, Research Department of English. Sakthi College of Arts and Science for Women, Oddanchatram, Dindigul -624 624.

CERTIFICATE

This is to certify that this project titled REVELATION OF REALITY THROUGH FANTASY FOR POWER OF GLORY IN GEORGE R.R MARTIN'S A CLASH OF KINGS is a bonafide record of project work done by S. RUBITHRA submitted to Mother Teresa Women's University, Kodaikanal, in partial fulfillment of requirements for the award of the Degree of Master of Arts in English Literature and that the project work has not formed the basis for the award of any other degree. This is an independent work of the candidate under my guidance.

Place: Oddanchatram Date: 06. 08 2020

15 P. mikalo

HOD AND INTERNAL EXAMINER Research Department of English Janua Gelege of Arts and Sources for Wence, Solithi Reger, Palakkannikou (Poj. Oddanchatram - 624 619. Dimdigui Dist.

P. I. Sayahale

(RESEARCH GUIDE)

(Mrs. P. ISAYAKALA)

N.el. EXTERNAL EXAMINER

DR. N. ONANASELVI, WA. B.E.N.Ph.D. ASSISTANT PROFESSOR IN ENGLISH GUIDESHOP NO. 1751 PC & RESEARCH DEPARTMENT OF ENGLISH MEENAKSH GOVT. ARTS COLLEGE FOR WOMEN [AUTONOMOUS], MADURAL - 625 002

PRINCIPAL Sector Delirge of Arts and Science for Women Souther Negre, Fuldykannsthungen Md. assessment, Dindigen Dest

Ms. M.VENNILA, M.A., M.A., (WS)., M.Phil., M.Ed., (Ph.D)

Head and Assistant Professor, Research Department of English, Sakthi College of Arts and Science for Women, Oddanchatram, Dindigul -624 624.

CERTIFICATE

This is to certify that this project titled INNER STRENGTH OF SUBALTERN WOMEN IN BAMA'S KARUKKU is a bonafide record of project work done by S.SARANYA submitted to Mother Teresa Women's University, Kodaikanal, in partial fulfillment of requirements for the award of the Degree of Master of Arts in English Literature and that the project work has not formed the basis for the award of any other degree. This is an independent work of the candidate under my guidance.

Place: Oddanchatram

Date: 06-08 2020

Is

P. Sasikala

HOD AND INTERNAL EXAMINER Research Department of English Small College of Arts and Science for Women, Sastin Mager, Palakkanuthu (Po), Oddanchaitam - 624 619. Dindigul Dist. M. Vennila (RESEARCH GUIDE) (Ms.M.VENNILA)

N.el

EXTERNAL EXAMINER

DR. N.GNANASELVI. MA., B.Ed. M. PHI, Ph.D. ASSISTANT PROFESSOR IN ENGLISH GUIDE SHIP NO. 1.751 PG & RESEARCH DEPARTMENT OF ENGLISH GRI MEENAKSHI GOVT ARTS COLLEGE THE MEMORY (AUTONOMOUSI. MADURAT

PRINCIPAD Sanths College of Arts and Science for Women Sakthi Nagar, Falakkanuthu Fel

ner 3

Ms. M. MEENA, M.A., M.Phil., (Ph.D) Assistant Professor, Research Department of English, Sakthi College of Arts and Science for Women, Oddanchatram, Dindigul - 624 624.

CERTIFICATE

This is to certify that this project titled SELF TO COSMIC CONSCIOUSNESS: TRANSFORMATIVE JOURNEY OF SHIVA IN AMISH TRIPATHI'S *THE IMMORTALS OF MELUHA* is a bonafide record of project work done by **S. SATHIYA** submitted to Mother Teresa Women's University, Kodaikanal, in partial fulfillment of requirements for the award of the Degree of Master of Arts in English Literature and that the project work has not formed the basis for the award of any other degree. This is an independent work of the candidate under my guidance.

Place: Oddanchatram Date: 06 . 08 - 20 20

M. Meena (RESEARCH GUIDE)

(Ms. M. MEENA)

IC P. Sasikalo

HOD AND INTERNAL EXAMINER

Research Department of English Satin College of Arts and Science for Wanes, Satthi Nagar, Palakkanuthu (Po), Oddanchatram -624 619. Dindigul Dist.

Nel EXTERNAL EXAMINER

DR. N.GNANASELVI, M.A., B.Ed.M.Phil, Phil, ASSISTANT HIGH ESSOR IN ENGLISH GUIDE SHID NIG 1251 PO & RESEARCH OF HARMENT OF UNGLISH IRI MEENAKSHI GOVT ARTS COLLEDE FOR WOMEN (AUTONOMOUS), MADURAI - 525 002

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanutha (Po) Oddaachatram, Dindigul Dist

PG & Research Department of Maths / M.Sc., (Maths) / Project Work

Mrs. S.MAIVIZHI SELVI M.Sc., M.Phil., B.Ed.,

Assistant Professor,

Department of Mathematics,

Sakthi college of Arts and Science for Women,

Oddanchatram -624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON PETAL GRAPH" is a record of work carried out by the candidate A.ABINAYA, (Reg. No184921ER001) in partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE in mathematics, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018-2020 undermy guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of

the candidate.

Place: Oddanchatram

Date: 6.8.2020

J. Long Head of the Department

S. Mairighiselut Internal Examiner

3. Mouringhis o hri Research Guide

C. Athy External Examiner

.R. Well

PRINCIPAD Sakini College of Arts and Science for Womep Sakini Nagar, Falakkinutau (Po) Oddansuscadi, Ulu Liga, Oliv

Mrs. S.MAIVIZHI SELVI M.Sc., M.Phil., B.Ed.,

Assistant Professor,

Department of Mathematics,

Sakthi college of Arts and Science for Women,

Oddanchatram -624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON PRIME GRAPH OF A RING" is a record of work carried out by the candidate B.POORANI, (Reg. No184921ER002) in partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE in mathematics, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018-2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram Date: 6 · 8 · 2020

J. Mean

S. Mairinghiselut

& Mainthisolui Research Guide

External Examiner

Allee. n

Principal PRINCIPAE Sakthi College of Arts and Science for Women Sakthi Nagar, Palaksa uthu (Po) Oddouch ett sai Diodigul Dist

Mrs. S.MAIVIZHI SELVI M.Sc., M.Phil., B.Ed.,

Assistant Professor,

Department of Mathematics,

Sakthi College of Arts and Science for Women,

Oddanchatram-624619

CERTIFICATE

This is to certify that the project entitled "A STUDY ON OPERATOR M-CONVEX FUNCTIONS IN HILBERT SPACE" is a record of work carried out by the candidate M. RAMADEVI, (Reg.No:184921ER003) in partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE in Mathematics, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 - 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree ,diploma, associate ship, fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 6.8.20 20 '

J. Menon"

Head of the Department

S. Mairiz hiselir.

S. Mai vi of hiselin Research Guide

C. Altr. External Examiner

Do R. Charles

Mrs.J.YOGESWARI.,M.Sc.,M.Sc.,M.Phil.,B.Ed

Assistant Professor,

Department of Mathematics,

Sakthi College of Arts and Science for Women,

Oddanchatram-624619

CERTIFICATE

This is to certify that the project entitled "A STUDY ON FRACTIONAL COLORING" is a record of work carried out by the candidate S.SANGEETHA, (Reg. No 184921ER004) in partial fulfillment of the requirement for the award of MASTER OF SCIENCE, in Mathematics, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,ODDANCHATRAM, during the year 2018-2020 under my guidance. The Project has not previously formed the basis for the award to the candidate of any degree, diploma ,associate ship, fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation independent work of the candidate.

J. Marani Head of the Department

9. Mairi Frischi . Internal Examiner

J. Unano

Research Guide

CI. Ally .. External Examiner

Dr. R. Ihre. Principal

PRINCIPAD Santhi Culture of Aris and Science for Wemen Santhi Namari Falanar Lucture (9) Odunitorationalis Lingingui Diabri

Mrs. J. YOGESWARI M.Sc., M.Sc., M.Phil., B.Ed.,

Assistant Professor,

Department of Mathematics,

Sakthi college of Arts and Science for Women,

Oddanchatram -624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON

CLASSIFICATION OF DIGRAPHS" is a record of work carried out by the candidate V.SIVAGAMI, (Reg. No 184921ER005) in partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE in Mathematics, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018-2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

& Mairi ghischi. Internal Examiner

J. Construction Research Guide

C. Athy External Examiner

Principal PRINCIPAD of Arts and Science for Wotte Sakthi Nagar, Talakkanuthu (te)

Mrs. J.YOGESWARI M.Sc., M.Sc., M.Phil., B.Ed.,

Assistant Professor,

Department of mathematics,

Sakthi college of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON RAINBOW CONNECTION IN GRAPHS" is a record of work carried out by the candidate N.VARSHA, (Reg. No 184921ER006) in partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE in Mathematics, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 - 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that

the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 6-8-2020

Head of the Department

S. Mairi Thiselui

J. Marano

Research Guide

G. Athy External Examiner

Principal

PRINCIPAD Sakthi College of Arts and Science for Women Sakthi Nagar, Calakkanuthu (Pol Oddanchatram, Dindigul Dist

PG & Research Department of Physics / M.Sc., (Physics) / Project Work

DEPARTMENT OF PHYSICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM Sakthi Nagar, Dindugul- Palani Main Road, Palakkanuthu Post, Dindugul- 624 624

Dr.S.PORCHELVI M.Sc., B.Ed., M.Phil., Ph.D., Head and Associate Professor, Department Of Physics

CERTIFICATE

This is to certify that the project report entitled "PREPARATION AND CHARACTERIZATION OF PVA/TiO₂ NANOCOMPOSITE MEMBRANE FOR FUEL CELL APPLICATIONS" is a bonafide record of work done by AARTHI.V(Register no:184922ER001), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university. Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on-05-8:2020

Signature of the Guide

Internal Examiner

Sature of Head of the Department of Physics Sature of Head of the Department

Dindigui D

External Examiner

Dr. K.NEYVASAGAM, M.Sc., M.Phil, Ph.D., Associate Professor, Department of Physics, The Madura College, Madural - 625 011.

Date: 05-8-2020

PRINCIPAE Sakthi College of Arts and Science for Womes, Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dindigul Dist



DEPARTMENT OF PHYSICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM Sakthi Nagar, Dindugul- Palani Main Road,

Palakkanuthu Post, Dindugul- 624 624

Date: 5.8.2020

Ms.M.N.JOTHI M.Sc., M.Phil., B.Ed., [Assistant Professor, Department Of Physics]

CERTIFICATE

This is to certify that the project report entitled "INVESTIGATION ON THE EFFECT OF ZIRCONIUM CHLORIDE NANOPARTICLE DOPED HYDROXYAPATITE BIOCERAMICS BY CO-PRECIPITATION METHOD" is a bonafide record of workdone by BIRUNDHA.A (Register no:184922ER002), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY,KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree,diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on ちょりゅうの

01 the Guide

Internal Exa

Pescar Signature of Head of the Department, Sakini Nagar. Paiakkanuthu (Po), Oddanchatram 624 019. Dincigui Di t

External Examiner

Dr. K.NEYVASAGAM, M.S., M.Phil, Ph.D., Associate Profess 1010 Department of Physics The Madura College, Madural - 625 011.

Saktni College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dindigul Distriction



DEPARTMENT OF PHYSICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM

Sakthi Nagar, Dindugul- Palani Main Road, Palakkanuthu Post, Dindugul- 624 624

Ms. M.N.JOTHI M.Sc., M.Phil., B.Ed., Assistant Professor, Department Of Physics

Date: 05-8-2020

CERTIFICATE

This is to certify that the project report entitled "ACOUSTICAL & SPECTROSCOPIC STUDY OF DIFFERENT JUICES AND FRESH JUICES WITH BINARY MIXTURES AND TERNARY MIXTURES" is a bonafide record of workdone by NIVETHA.R (Register no:184922ER004), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY,KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 05.08.2020

Signature of the Guide

Internal Examiner

Research Department of Physics Saxin College of Arr and Science to Women, Signature of Head of the Department Oodanchatram 624 019.

Dincigui Dist.

External Examiner Dr. K.NEYVASAGAM, MSc., MPhil, Ph.D., Associate Professor, Department of Physics, The Madura College, Madural - 625 011.

Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dindigul Dist-



Ms. M.N.JOTHI M.Sc., M.Phil., B.Ed., Assistant Professor, Department Of Physics

Date: 5-8-2020

CERTIFICATE

This is to certify that the project report entitled "GREEN SYNTHESIS OF TITANIUM DIOXIDE NANAOPARTICLES USING ANDROGRAPHIS PANICULATA LEAF EXTRACT AND STUDY THEIR ANTIMICROBIAL ACTIVITY" is a bonafide record of workdone by PAVITHRA.S (Register no:184922ER006), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY,KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 5.8:2000

M.N. O. Guide

Research Department of Physics Sasta Sector of Arts and Science to Withen,

Signature of Head of the Department

trernal Examiner

Dr. K.NEYVASAGAM, M.S., M.P.B., PLD.

25 011.

Department of Phy

Dinaigundiai

) REDMINOTE 8) AI QUAD CAMERA

rincipal



Ms.M.N.JOTHI M.Sc., M.Phil., B.Ed., [Assistant Professor, Department Of Physics]

Date: 5.8.2020

CERTIFICATE

This is to certify that the project report entitled "GREEN SYNTHESIS OF CUPRIC NITRATE NANOPARTICLES USING MUNTINGIA CALABURA LEAF EXTRACT AND STUDY THEIR ANTIMICROBIAL ACTIVITIES" is a bonafide record of workdone by PUNITHA.M(Register no:184922ER007), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY,KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 5:2:3020.

M. Noth Signature of the Guide

Resear Doorthent of Physics Seria College Arts and Science 10: Whiteu, Signaturelof: Head of the Department Oddanchatram 624019

indigui Dist

External Examiner

Dr. K.NEYVASAGAM, M.S., MPHI, PAD, Associate Professor, Department of Physics, The Madura College, Madurai - 625 011.

Sakthi College of Arts and Science for women Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dindigul Disber



Date: 05-08-2020

Dr.S.PORCHELVI M.Sc.,B.Ed.,M.Phil.,Ph.D., Head and Associate Professor, Department Of Physics CERTIFICATE

This is to certify that the project report entitled "PREPARATION AND CHARACTERIZATION OF PVA BASED POLYMER MEMBRANE FOR BATTERY APPLICATIONS" is a bonafide record of work done by SANGEETHA.R (Register no:184922ER008), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 05-08-2020 Research Department of Physics

Signature of the Guide

Internal Examiner

Sazth: College of Aris and Science for Women, Signature of Head of the Department Uddattenstran 024019

Exernal Examiner

Bern ingeneral

DE K.NEYVASAGAM, M.S., M.Phil, Ph.D. Associate Professor. Department of Physics Madura College, Madurai - 625 01).

PRINCIPAD Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dindigul Dist



Date: 5.8.2020

Dr.S.PORCHELVI M.Sc., B.Ed., M.Phil., Ph.D., Head and Associate Professor, Department Of Physics CERTIFICATE

This is to certify that the project report entitled "PREPARATION AND CHARACTERIZATION OF PVA/KNO3 POLYMER MEMBRANE FOR ELECTROCHEMICAL APPLICATION" is a bonafide record of work done by SELVA PRIYA.M (Register no: 184922ER009), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 5.8.2020

Signature of the Guide

Internal Examiner

Research Department of Physics Sector voltere of Aris and Science for Watten, Signature of Head of the Department Oadanchatram 624 019. Dangigui Dist.

External Examiner

Dr. K.NEYVASAGAM, M.M., M.Phil, Ph.D. Associate Professor, Department of Physics, The Madera College, Mediumi - 625 000

PRINCIPAL Sakini College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Poj Oddanchatram, Dindigul Dist



Ms.G.JEYA.JOTHI M.Sc., M.Phil., M.Ed., [Assistant Professor, Department Of Physics]

Date: 5-8-2020

Signature of Head of the Department

External Examiner

Ocdanchairam 624 619. Umaigui Dist.

CERTIFICATE

This is to certify that the project report entitled "PREPERATION AND CHARACTERIZATION OF SILVER NANOWIRES BY CO-PRECIPITATION METHOD" is a bonafide record of workdone by SELVARENUKA.P (Register no:184922ER010), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR MOTHER TERESA WOMEN'S WOMEN, ODDANCHATRAM affiliated to UNIVERSITY, KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university .

Submitted for the university examination held at Sakthi College of Arts and Science for Women Research Department of Physics

0 Ula -Signature of the Guide

Internal Examiner

Dr. K.NEYVASAGAM, M.S., M.Phil, Ph.D. Associate Professor, Department of Physic dura College, Madurai - 625 011.

and Science for women,

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dindigul Dist-



DEPARTMENT OF PHYSICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM Sakthi Nagar, Dindugul- Palani Main Road,

Palakkanuthu Post, Dindugul- 624 624

MsG JEYAJOTHI M.Sc., M.Phil., M.Ed., [Assistant Professor, Department Of Physics]

Date: 5 - 8. 2020

CERTIFICATE

This is to certify that the project report entitled "PREPERTION AND CHARACTERIZATION OF TIO2 NANO PARTICLES BY USING SOL-GEL METHOD" is a bonafide record of workdone by SIVARANJANI.C(Register no:184922ER011), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY,KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree,diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 5...8.2020

Ma - of Signature of the Guide

Research Department of Physics Signature of Head of the Department

Oddanchatten 02+019

Interna Examiner

External Examiner

Dr. K.NEYVASAGAM, M.Sc. M.Phil, Ph.D., Associate Professor, Department of Physics, The Madura College, Madurai - 625 012.

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Falakkanuthu (Po) Oddanchatram, Dindigul Dist-



DEPARTMENT OF PHYSICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM Sakthi Nagar, Dindugul- Palani Main Road,

Palakkanuthu Post, Dindugul- 624 624

Dr.S.PORCHELVI M.Sc., B.Ed., M.Phil., Ph.D., Head and Associate Professor, Department Of Physics Date: 5.8.202

CERTIFICATE

This is to certify that the project report entitled "FABRICATION AND CHARACTERIZATION OF POLYMER ELECTROLYTE MEMBRANE" is a bonafide record of work done by THAMARAI SELVLN (Register no:184922ER012), submitted to SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM affiliated to MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN PHYSICS during the year 2019-2020 in the department of physics under my supervision and the project report has not previously formed the basis for the award of any degree, diploma or any other similar titles in this university or any other university.

Submitted for the university examination held at Sakthi College of Arts and Science for Women Oddanchatram on 5.8.2000

Women Oddanchatram on 5.8.2000

Signature of the Guide

Internal Examiner

Research Department of Physics Sastar College of Arts and Science 10 Princip, Signature of Head of the Department Ocdanchatram 624619. Dindigui Dist

External Examiner

DL K.NEYVASAGAM, M.S. MPNL PAD.

PRINCIPAL saktni College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Poj Oddanchatram, Dindigul Dist

Principal

PG & Research Department of Chemistry / M.Sc., (Chemistry) / Project Work

Mrs. S. MEENA M.Sc., M.Ed., M.Phil., (Ph.D).,

Assistant Professor,

Department of chemistry,

Sakthi College of Arts and Science for Women,

MENT

of Science in women

and share with the

ases

Oddanchatram - 624 619.

CERTIFICATE

This is to certify that the dissertation entitled "ETHANOLIC EXTRACT OF ACALYPHA INDICA AS AN ECO-FRIENDLY CORROSION INHIBITOR FOR CARBON STEEL IN HYDROCHLORIC ACID MEDIUM is a record of work carried out by the candidate Ms. A. BENASIR BEGUM, Reg. No: 184923ER002 in partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY, Sakthi College of Arts & Science for Women, Oddanchatram, during the year 2019 – 2020 under my guidance.

Place: Oddanchatram

Date: 05.08. 2020

HEAD OF

SIGNATURE OF THE GUIDE

5. Maana INTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. K. BALASUBRAMANI Assistant Professor. Department Of Chemistry. Govt. Arts College (Autonomous). KARUR - 639 005. Dr.R.THENMOZHI, M.Sc., M.Phil., Ph.D.,

Head and Associate Professor,

Department of Chemistry,

Sakthi college of Arts and Science for Women,

Oddanchatram-624 619.

CERTIFICATE

This is to certify that the dissertation entitled "GREEN SYNTHESIS AND CHARACTERIZATION OF FERROUS SULPHATE NANOPARTICLES FROM *PISONIA ALBA LEAF*" is a record of work carrier out by the candidate **T.KOWSHALYA DEVIReg.No:184923ER004** in partial fulfillment of the requirement for the award of the degree of Master of Science in Chemistry, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2019-2020 under my guidance. The Dissertation has not previously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship or other similar titles and that the dissertation as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 5.8.2020 Do. R. There RESEARCH GUIDE

Do.R. The Bew

Research Department of Chancestry Sekthi College of any an income of Mollek Sarry Nugan Procession Du (PO), Sector State Oraci (PO), Sector State Oraci (PO),

PRINCIPAL Sakthi College of Arts and Science for So Sakthi Nagar, Fulakkanathi (Po Oddanchatram, Dinfigul Dist

S. Meena INTERNAL EXAMINER

EXTERNALEXAMINER

Dr. K. BALASUBRAMANI Assistant Professor, Department Of Chemistry, Govt. Arts College (Autonomous), KARUR - 639 005. Dr.R.THENMOZHI, M.Sc., M.Phil., Ph.D.,

Head & Associate Professor,

Department of Chemistry,

Sakthi college of Arts and Science for Women,

Oddanchatram-624 619.

CERTIFICATE

This is to certify that the dissertation entitled "GREEN SYNTHESIS

AND CHARACTERIZATION OF COBALT NANOPARTICLES FROM PISONIA ALBA LEAF" is a record of work carrier out by the candidate S.LATHA Reg.No:184923ER005 in partial fulfillment of the requirement for the award of the degree of M.Sc Chemistry, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2019-2020 under my guidance. The Dissertation has not previously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship or other similar titles and that the dissertation as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 5 8 2020 Pr. R. hane RESEARCH GUIDE

Dr. R. Theseo

Do F. there PRINCIPA

Research Department of Chemistry PHINCIPAE Sakthi College of Arts and Science for Women Sakthi Nagar, Pelakkanuthu (Pol Oddanchatram, Dindigul Dist Draidinger and Science for Women Sakthi Nagar, Pelakkanuthu (Pol Oddanchatram, Dindigul Dist

S. Moena INTERNAL EXAMINER

M R EXTERNAL EXAMINER

Dr. K. BALASUBRAMANI Assistant Professor, Department Of Chemistry, Govt. Arts College (Autonomous), KARUR - 639 005,

CERTIFICATE

This is to certify that the dissertation entitled "EFFECT OF (AI, Mn) DOPPING IN MAGNETIC NATURE OF ZINX OXIDE NANOPARTICLE STUDIED BY COMPUTATIONAL METHOD", submitted to the MOTHER TERESA WOMEN'S UNIVERSITY", KODAIKANAL, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record of original research work done by P.MADHUMITHA (Reg: No.184923ER006) her study in the Department of chemistry at SAKTHI College of Arts & Science for Women, Oddanchatram, under my supervision and guidance.

> R shanmuga selvan RESEARCH GUIDE

S. Meana Internal Guide

Dak

Head of the department Research Department of Chemistry Same onling of Arts are screen as sound, Same Name Production (19), Ordening of the State State (19), Ordening of the State State (19), Demander the State State (19), External Guide DT. K BALASU BRAMANI Assistant Protocoor, Department Of Chemosity, Govt Arm College (Automotics), KARUR - 639 005.

FUI-SE DE AL. Salathi Different innen onnen bei Weitten

Principal

CERTIFICATE

This is to certify that the dissertation entitled " EFFECT OF (AL, MG) DOPING ON ZINC OXIDE NANOPARTICLES STUDIED BY COMPUTATIONAL METHOD" MASTER OF SCIENCE IN CHEMISTRY, submitted to the" MOTHER TERESA WOMEN'S UNIVERSITY", KODAIKANAL, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record of original research work done by Ms S.PAVITHRA.(Reg no:184923ER008) her study in the department of chemistry at SAKTHI College of Arts and Science for Women, Oddanchatram. under my supervision and guidance.

> R. Shanmuga Selvan RESEARCH GUIDE

5. Meena Internal Guide

Head of the department Research Department of Chemistry Satthi College of Arts and Science for Women, Sakthi Nagar, Palakkenuthu (Po).

Oddenchatram - 624 619. Dindigul Dist. Department Of Chemistry, Govt. Arts College (Autonomous),

KARUR - 639 005. R. Theseo Principal

PRINCIPAL Sakthi College of Arts and Science for Womer Sakthi Regar, Falskinger Barba Oddanchatram, Dinitizer Das Dr.R.THENMOZHI, M.Sc., M.Phil., Ph.D.,

Associate Professor,

Department of Chemistry,

Sakthi college of Arts and Science for Women,

Oddanchatram-624 619.

CERTIFICATE

This is to certify that the dissertation entitled "GREEN SYNTHESIS AND CHARACTERIZATION OF CALCIUM NANOPARTICLES FROM PISONIA ALBA LEAF" is a record of work carrier out by the candidate R. SUDHA Reg.No:184923ER009 in partial fulfillment of the requirement for the award of the degree of Master of science in Chemistry, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2019-2020 under my guidance. The Dissertation has not previously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship or other similar titles and that the dissertation as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 5 8 2020 RESEARCH GUIDE

Dr. R. Uhsee

Research Department of Chemistry Sakthi College of any and opened for Woulds, Sakthi Machine Mickson and (Poj, Opened Science - 024-019, Chemistry Dist.

S. Meena INTERNAL EXAMINER

PRINCIPAE Sakth: College of Arts and Seitere for Sakth: Navar, Palakkanutha (Oddanchatram, Dindigul Disp

EXTERNAL EXAMINER

BE K. BALASUBRAMANE Assistant Professor Besariment Of Chemisiry, Beve Arts College (Autongmeus), KARUR - 639 005,

PG & Research Department of Commerce / M.Com., (Commerce) / Project Work

Mrs.P.KANAGARATHINAM, M.com., M.Phil., PGDCA., BA(Eng)., B.Ed.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON CHALLENGES AND OPPORTUNITIES OF E-COMMERCE IN DINDIGUL DISTRICT "is a record of work carried out by the candidate B.GAYATHRI, (Reg. No 184941ER001) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07.08.2020 the Department and Science int deanchatram - 624 619. Dindigul Dist.

nternal Examiner

Research Guide

200m **External Examiner**

Dark Principal

Lt.Cdr.Dr.I. NAGARAJAN. M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

PRINCIPAE Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po) Oddanchatram, Dineigul Dist

Ms. G.RATHIKA, M.Com, M. Phil.,

Assistant Professor, Department of Commerce, Sakthi College of Arts and Science for Women, Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ONLINE BANKING SERVICES IN DINDIGUL" is a record of work carried out by the candidate S.ISWARYA, (Reg. No.184941ER002) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 - 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 7 8 2020

The The Thang Research Department of Commerce Santas College of Arts and Science for Women, Head of the Departmento, Uadanchatram - 624 619.

Dindigul Dist.

Internal Examiner

Research Guide

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerc-Thiagarajar College Madurai - 625 009

ede 13/2020

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Pol Oddanchatram. Dinuigal Dist

Mrs. T.GOWRI THANGAM, M.com, M. Phil., B.Ed.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled **"A STUDY ON COMPARTIVE BETWEEN TRADITIONAL MARKETING AND DIGITAL MARKETING"** is a record of work carried out by the candidate **P.NANDHINI**, (Reg. No 184941ER004) in partial fulfillment of the requirement for the award of the degree of **MASTER OF COMMERCE**, **SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM**, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

lace: Oddanchatram

ate: 07.08.2020 CTJ Tal

Sarthi Nagar. Paige kaputou (*0), Osdanchatran - 024 019. Dimergui Otst.

ternal Examiner

External Examiner Lt.Cdr.Dr.I. NAGARAJAN M.Com.,M.B.A.,M.Phil.,Ph.D., Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009

Principal PRINCIPAL Sakthi College of Arts and Science for Women Soluble Dr. S. TAMILSELVI M.Com., M.Phil., M.Ed., PGDCA., Ph.D,
Head & Assistant Professor,
PG & Research Department of commerce,
Sakthi College of Arts and Science for Women,
Oddanchatram - 624 619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ASIAN PAINTS IN DINDIGUL DISTRICT" is a record of work carried out by the candidate M. NISANTHI, (Reg.No:184941ER005) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07108/2020 Rescarce Department of Commerce anni Course of Arts and Science for Women. Head of the Department. Head of the Department. Head of the Department. Din algui Dist. Internal Examiner

S. Tam **Research** Guide

External Examiner

FRINCIPAL SERthi College of Arts and Science for Women Bakthi Nagar, Palakkanuthu (Poj Öddanshatram, Dindigul Dist.

Lt.Cdr.Dr.I. NAGARAJA M.Com., M.B.A., M.Phil. P Associate Professor & Head PG & Research Department of Com Thiagarajar College Madurai - 625 009

Mrs. S.SEEMA JERIN, M.com, M.Phil.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON PASSENGER'S SATISFACTION TOWARDS RAILWAY SERVICE IN DINDIGUL JUNCTION" is a record of work carried out by the candidate R.RAMYA,(Reg. No 184941ER006) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram Date: 01,08.2020

arch Department of Commans.

Santi College of Arts and Scient Headlioff the Department () Casaachatram - 624 0 19. Dindigul Dist.

Internal Examiner

Research Guide

Lt.Cdr.Dr.I. NAGARAJAN M.Com.M.B.A., M.Phil., Ph.D. External: Inventeers Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

PRINCIPAD Sakthi College of Arts and Science for Womer Sakthi Nagar, Palakkanuthu (Pe) Ms. K. RAJESWARI M.Com., M.Phil., PGDCA., (Ph.D)

Assistant Professor,

PG & Research Department of Commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624 619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON CONSUMER BEHAVIOUR TOWARDS ORGANIC FOOD PRODUCTS IN DINDIGUL DISTRICT" is a record of work carried out by the candidate M. SELVAPRIYA, (Reg. No 184941ER008) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 -2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07/08/2020 CT. Y Tay mearch Department of Commerce "allege of Arts and Science for wheren, Head of the Department u (Po), Oddanchatram - 624 019. Dindigul Dist. Internal Examiner

K. Kajeswan'. Research Guide

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN M.Com., M.B.A., M.Phil., Ph.D. Associate Professor & Head PG & Research Department of Commerc-Thiagarajar College Madurai - 625 009.

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po)

Oddanchatram, Dindigul Dist

8 2020

3

MRS. S. USHARANI M.Com., M.Phil. B.Ed. Assistant Professor, Department of Commerce, Sakthi College of Arts and Science of Women, Oddanchatram.

CERTIFICATE

This is to Certify that the project entitled "A CUSTOMER SATISFACTION TOWARDS ONLINE SHOPPING WITH SPECIAL REFERENCE IN DINDIGUL" is record of work carried out by the candidate G. THAVAMANI, (Reg.No 184941ER009) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM during the year 2019 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 7 8 2020

Ilc T. y Vay mormeni of Commerce

State since of arts and Scient '0' Hamen, Head of the Department'0), Oddancnatram - 624 619. Dindigui Dist.

Internal Examiner

S. UShakari **Research Guide**

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN, M.Com.,M.B.A.,M.Phil.,Ph.D., Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Falakkanuthu (Po) Oddanchatram, Dindigul Dist

Mrs. A.SARANYA M.COM., M.Phil.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON WORK LIFE BALANCE OF FEMALE TEACHER WORKING IN PRIVATE SCHOOL" is a record of work carried out by the candidate J.VISHALACHI, (Reg. No 184941ER010) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2019 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 7 8 2020

ternal Examiner

Ac J J Lax escarch Department of Commerce ead of the Department List Concerce of arts are Science for Women, Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619. Dindigul Dist.

External Examiner

PRINCIPAD Sakthi College of Arts and Science for Women Sakthi Magar, Palakkanuthu moi Oddanchateon, Siedleid Di

Lt.Cdr.Dr.I. NAGARAJAN M.Com.,M.B.A.,M.Phil.,Ph.D Associate Professor & Head PG & Research Department of Commerc Thiagarajar College Madurai - 625 009.

PG Department of Commerce with Computer Application / M.Com(CA)., / Project Work

Ms. K. RAJESWARI M.Com., M.Phil., PGDCA., (Ph.D) Assistant Professor, PG & Research Department of Commerce, Sakthi College Of Arts and Science for Women,

Oddanchatram - 624 619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON I-TOUR TOURISM CITY IN PHP "is a record of work carried out by the candidate, T.DIVYA, (Reg.No.184942ER001) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATIONS, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018-2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07/08/2020 Head of the Dispartificammerce officer of arts and Science for Motion, Ostalin Nagar, Patrik and URU (PO), Uddauchetram - 624 619. Diadigul Dist.

Internal Examiner

Klajemi Research Guide

adopt External Examiner

5 20 20 Lt.Cdr.Dr.I. NAGARAJAN. M.Com.M.B.A.M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

PRINCIPAL Sakthi C. Harts and Science for Watheb Sakthi Nagar, Falakkanuthu (Pa) Oddanchatram, Dindigui Dist

Principal

Mrs. S. USHARANI M.COM., M. PHIL., B.ED.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "AN WEB BASED MOBILE APPLICATION FOR CAREER GUIDANCE "is a record of work carried out by the candidate A.KARTHIGAIJOTHI, (Reg. No 184942ER003) in partial fulfillment of the requirement for the award of the WITH OF COMMERCE degree of MASTER APPLICATION, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2019 - 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 7 8 2020 Son merce Department Tomen Sakthi Nagar, Palakkanuthu (Po), Oddanchstram - 624 619 Internal Examiner

Sugharan

Research Guide

External Examiner

25/10/2020 incipal

Lt.Cdr.Dr.I. NAGARAJA! M.Com., M.B.A., M.Phil., Ph Associate Professor & Head PG & Research Department of Comm Thiagarajar College Madurai - 625 009

PRINCIPAL arean College of Area and Science for Women . Sakthi Nagar, Palakkanuthu (Po) Oddaschstram, Dindigul Dist-

Mrs.T.GOWRI THANGAM M.Com., M. Phil., B.Ed., Assistant Professor, Department of Commerce, Sakthi College of Arts and Science for Women, Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON DUSTBIN MANAGEMENT SYSTEM IN PHP" is a record of work carried out by the candidate G.NIRMAL ASHA, (Reg. No 184942ER004) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATION, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 - 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07/08/2020 The The Hard Commerce Sexthe College of Arts and Science to service. Head of the Department UnunDenstram - 624 619 LIMAIRUI Dist. Internal Examiner

4 Than **Research** Guide

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN

M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head FG & Research Department of Commerc Thiagarajar College Madurai - 625 009.

PRINCIPAL Santai College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po) . Oddanchatram, Dindigul Dist

Mrs. S. SEEMA JERIN M.com., M.Phil.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "GREEN HOUSE REMOTE MONITORING SYSTEM BASED ON THE ANDROID SYSTEM" is a record of work carried out by the candidate J.NIVETHITHA,(Reg. No 184942ER005) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATION, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07/08/2029 J Lay Research Department of Commerce she act of the Departmentene Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624 • 19. Undigul Dist. Internal Examiner

Brugny . S

Research Guide

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Falakkanuthu (Po) Oddanchatram, Dindigul Dist Dr. S. TAMILSELVI, M.com, M. Phil, M.Ed, PGDCA, ph.D.,

Head, Department of Commerce PG & Research Department of Commerce, Sakthi College of Arts and Science for Women, Oddanchatram -624619

CERTIFICATE

This is to certify that the project entitled"A STUDY ON FARMER INFORMATION FOR AGRICULTURE IN PHP"is record of work carried out by the candidate S.PANDI MEENA, (Reg. No. 184942ER006) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATIONS, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018-2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Do.R. Ihseo

Principal signature

PRINCIPAL

Sakthi Nagar, Palakkanutha Pal

Place: Oddanchatram

Date: 07.08,2020

Tay Department of Commerce

Beience for Women. partment muthu (Po), EL CAN

d Examiner

S. Tamil Selvi Research Guide

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN, M.Com.M.B.A.M.Phil.Ph.D. Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009. Sakthi College of Arts and Science for Women

Dr. S. TAMILSELVI M.com, M.Phil, M.Ed, PGDCA, ph.D.,

Head, Department of Commerce

PG& Research Department of Commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram- 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON BLOOD AVAILABILITY BETWEEN DONAR'S PHP ACCEPTOR" is a record of work carried out by the candidate V.PAVITHRA, (Reg. No 184942ER007) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATIONS, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018-2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as a whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07 08 2020 Farce Department of Cor Sauta: College of Arts and Science . . . Head of the department uturning GERRCASTIND 624019 Dinaigui Dioi

Internal Examiner

Principal

Sakthi College of Aris and Science for Women Sakthi Nagar, Palakkanuthu (Pa) Oddanchatram, Dindigul Disb

S. Tamilseli Research Guide

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN, M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerc Thiagarajar College Madurai - 625 009. Mrs. P.KANAGARATHINAMM.com., M.Phil., PGDCA., BA(Eng)., B.Ed.,

Assistant Professor,

Department of commerce,

Sakthi College of Arts and Science for Women,

Oddanchatram - 624619.

CERTIFICATE

This is to certify that the project entitled "A STUDY ON FOOD WASTE REDUCTIONMOBILE APPLICATIONIN PHP" is a record of work carried out by the candidate R.SOBHIYA,(Reg. No 184942ER008) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATION, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that a project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07 . 08 . 2020

Let Commerce Research Departmen Salthi College of Arts one Science an Houses,

Sakthi Nagar, Pringkenotho (Po),

Head of the Department Dincigut Dist.

Internal Examiner

P. KanagaraThnam Research Guide

External Examiner

CLt.Cdr.Dr.I. NAGARAJAN. M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

PRINCIPAD Sakthi College of Arts and Science for Women Sakthi Nagat, Palakkanuthu (Pa) Odd worb stram. Dia taori Linst Mrs.A.SARANYA, M.com., M.Phil., Assistant Professor, Department of commerce, Sakthi College of Arts and Science for Women, Oddanchatram – 624619.

CERTIFICATE

This is to certify that the project entitled "TOLL GATE MANAGEMENT SYSTEM USING WEB APPLICATION "is a record of work carried out by the candidate M.VIDHYA, (Reg. No 184942ER009) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATIONS, SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN, ODDANCHATRAM, during the year 2018 – 2020 under my guidance. The project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, fellowship or other similar titles and that the project as the whole in its approach to the subject, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

Place: Oddanchatram

Date: 07.08 . 2020

Rescarch Department of Commerce Sanai College of Aris and Science to Science to Science of the Department Official of the Department Official California (1990) Dindigue (1990) Dindigue (1990) Internal Examiner

Research Gu

External Examiner

Lt.Cdr.Dr.I. NAGARAJAN M.Com.,M.B.A.,M.Phil.,Ph.D. Associate Professor & Head PG & Research Department of Commerce Thiagarajar College Madurai - 625 009.

Dr.R. WW 18 2 Principal Signature PRINCIPAL Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Pa). Oddanchatram, Bindigul Diste