#### POST GRADUATION PROGRAMMES - PROJECT CERTIFICATE S

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

### சான்றுகள்

"மீனாட்சியம்மை பிள்ளைத்தமிழில் புராணச்செய்திகள்" எனும் தலைப்பில் செல்வி.ர.காயத்ரி (பதிவு எண்: 194901TR003) சய்துள்ள இவ்ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக் ஓகத்தில் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பரிந்துரை சய்யப்படுகிறது.

1. 7\_ 1 S e டே மற்பார்வையாளர் Dr. R. Miler

Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624619, Dindigul Dist.

தி தே-அகமதிப்பீட்டாளர்

புறமதிப்பட்டாளர் 24, மடி மடி மூனைவர் வெ.வென்ற கு வியல் மூனைவர் வெ.வைவில் அவியல் உத்தில் பேறாசிரியர் தமிழ் உயராய்வு வையம் அமெரிக்கள் கல்லூரி, மதுகூடு-625 002.



ரெட்டைவால் குருவி சிறுகதையில் காணலாகும் சமூகச்சிக்கல்கள் என்னும் தலைப்பில் ச.கலையரசி (பதிவு எண் 194901TR004) அவர்கள் செய்துள்ள இவ் ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக் கழகத்தில் முதுகலை தமிழ் இலக்கியப் பட்டத்திற்காகப் பரிந்துரை செய்யப்படுகிறது.

இ**ர்** முரியாளர்

Dr. R. Helew முதல்வர்

Sakthi College of Arts and Science for Warra Sakthi Nagar, Palakkanuthii Oddanchatram - 624619, Dinoig......

இத் மதிப்பீட்டாளர்



நாட்டுப்புற மருத்துவம் (உசிலம்பட்டி நகராட்சி) என்னும் கைப்பில் அ.கனிமொழி (பதிவு எண் 194901TR005) அவர்கள் செய்துள்ள வி. வி. அன்னை தெரசா மகளிர் பல்கலைக் கழகத்தில் முதுகலை தமிழ் இக்கியப் பட்டத்திற்காகப் பரிந்துரை செய்யப்படுகிறது.

ந்**றியாளர்** 

D. . P. . / holice முதல்வர்

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நர<sup>்குக</sup> அக மதிப்பீட்டாளர் இதிப்பட்டாளர் முறைவர் வட்டுற்றிற்ற ஜுகியல் மறைவர் வட்டுற்றிற்ற ஜுகியல் வந்து எந்கியில் தமிழ் உறாங்கு கூடிய கூடிக்கள் கணிரியில் கூடிக்கள் கணிரியில்



திருநாவுக்கரசாின் சமுதாய தொண்டுகள் என்னும் லப்பில் செல்வி அ.பூங்கொடி (பதிவு எண் 194901TR006) அவர்கள் ப்துள்ள இவ் ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக் கழகத்தில் கலை தமிழ் இலக்கியப் பட்டத்திற்காகப் பரிந்துரை செய்யப்படுகிறது.

Palseli றியாளர்

) R. M. ட்ட்டி முதல்வர்

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3706~ க மதிப்பீட்டாளர் டிற மதிப்பீட்டாளர் முளைவர் வட்டுஹைல் ஐ வியல் வம்.ஏ., எம்ச்சில். பிளச்.டி உத்திப் பேறாசிரியர் தமிழ் உயராவ்வு மையம் அவமரிக்கன் கல்லூர். மதுகரு-325 002.



நாயக்கரின் சமுதாய சடங்கு முறைகள் என்னும் தலைப்பில் செல்வி. வ.ராணி (பதிவு எண் 194901TR007) அவர்கள் செய்துள்ள இவ் ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக் கழகத்தில் முதுகலை தமிழ் இலக்கியப் பட்டத்திற்காகப் பரிந்துரை செய்யப்படுகிறது.

நேறியாளர்

இ 2.1h.s.... முதல்வர்

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த் இதிப்பீட்டாளர் அக மதிப்பீட்டாளர் புற மதிப்பட்டாளர்

முகையர் பெ.ஹெல்றி ஐுகியல் எம்.ஏ..எமஃபில்..பிஎச்.ஷ உதனப் பேராசிரியர் தமிழ் உயராய்வு கையம் அமெரிக்கள் கழையி. மதுரை 625 002.



"அழகியல் நோக்கில் அழகர் கிள்ளை விடு என்னும் தலைப்பில் செல்வி.ர.சண்முகப்பிரியா नळां: (பதிவு 194901TR009) தெரசா மகளிர் இவ்ஆய்வு அன்னை பல்கலைக் செய்துள்ள கழகத்தில் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது.

மேற்பார்வையாளர் மேற்பார்வையாளர் Dr.R.Thedre முதல்வர்

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3906~ அகம்திப்பீட்டாளர் புறமதிப்பீட்டாளர் முனைவர் வப.ஹைன்ற ஜுவ்பல் எம்.ஏ..எம்ஃபில்..பிஎச்.டி உதவீப் பேறாசிரியர் தமிழ் உயராப்வு கூடியம் அவரிக்கன் கற்றார். மதுரை-625 002



# தமிழ்த்துறை சக்தி மகளிர் கலை மற்றும் அறிவியல் கல்லூரி ஒட்டன்சத்திரம் - 624624.

# சான்றுகள்

'நாட்டுப்புறவியலின் பெண்சார் கூறுகள்' என்னும் தலைப்பில் திருமதி. மு.சாந்தி(பதிவு எண்:194901TR010) அவர்கள் செய்துள்ள இவ்ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக் கழகத்தில் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது.

இ\_*பூ*ற்னை<sup>மா</sup> நெறியாளர்

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தி இது அகமதிப்பீட்டாளர் புறமதிப்பீட்டாளர் முனைவர் வெ.ஹென்றி ஜுவியஸ். எம்.ஏ..எம்ஃபில்..பிஎச்.டி உதன்ப் பேராசிரியர் தமிழ் உயராய்வு மையம் அமெரிக்கன் கூறூரி. மதுரை-625 002.



"இரட்டைக் காப்பியங்களில் வழிபாட்டுச் சிந்தனைகள்" என்னும் தலைப்பில் த.தாமரைச்செல்வி செய்துள்ள இந்த ஆய்வு அன்னை தெரசா மகளிர் பல்கலைக் கழகத்தில் முதுகலை தமிழ் இலக்கியம் பட்டத்திற்காக பரிந்துரை செய்யப்படுகிறது. (படுஅ எண் 1949மாகவை)

து . பு<sub>ரதை</sub>] மேற்பார்வையாளர் இருக்கிற்கு . முதல்வர்

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அகமதிப்பீட்டாளர்

The Whole A Strade 3500

மூனைகவர் பை.ஹெஃ்ஸ் ஐ உடுப்பஸ் எம்.ஏ..எம்ஃபில்..பிஎச்.டி உதனிப் பேராசிரியர்

தமிழ் உயறாய்லு ஈம்பபம் அவமரிக்கள் கல்லூரி, மதுரை-825 002.



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#### CERTIFICATE

This is to certify that this project titled GAPING GENERATION'S IN THE WHEELS OF LIFE IN PREETI SHENOY'S A HUNDRED LITTLE FLAMES is a bonafide record of project work done by A.AGALYA 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: 24/04/2021

(RESEARCH GUIDE)

(Ms. P.SASIKALA)

P. J., L.S.

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#### CERTIFICATE

This is to certify that this project titled ECOFEMINISTIC APPROACH OF MAYA IN ANURANTHA RAY'S "THE FOLDED EARTH" is a bonafide record of project work done by M.ANITHA 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.

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#### **CERTIFICATE**

This is to certify that this project titled CHILD ENFRANCHISEMENT IN DEBORAH ELLIS THE HEAVEN SHOP is a bonafide record of project work done by M.BHARATHI 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: 24/04/202)

P. 8-7, L-3,

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#### CERTIFICATE

This is to certify that this project titled PSYCHOLOGICAL AND PHYSICAL STRUGGLE FOR EXISTENCE IN JOHN GREEN'S THE FAULT IN OUR STARS is a bonafide record of project work done by R.GEERTHANA 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: 34/04/2021

P. 5. L-9.

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#### **CERTIFICAT E**

This is to certify that this project titled THE RESURGENCE OF THE BOND OF SISTERHOOD IN SHOBHAA DE'S NOVEL SISTERS is a bonafide record of project work done by R.MUHILA 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: 24/04/2021

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PRINCIPAL

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Dindigul - 624 624.

### CERTIFICATE

This is to certify that this project titled SOCIAL IMAGINARY VIEWS IN MAHESH DATTANI'S WORKS is a bonafide record of project work done by S. NANDHINI SELVAMBIGA 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.

**ODDANEHATR** 

Place: Oddanchatram

24 1041 2021

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#### CERTIFICATE

This is to certify that this project titled THE PREDICAMENT OF WOMEN IN

GITHA HARIHARAN'S THE THOUSAND FACES OF NIGHT bonafide record of project work done by A.NIVETHA 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.

ODDANCHA

Place: Oddanchatram

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#### CERTIFICATE

This is to certify that this project titled FEMINISM CONCERNS IN SHASHI DESHPANDE'S THAT LONG SILENCE AND THE DARK HOLDS NO TERRORS is a bonafide record of project work done by P.REKA 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: 24 |04 | 2021

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#### CERTIFICATE

This is to certify that this project titled SEARCH FOR IDENTITY IN MARGRET LAURENCE'S THE DIVINERS is a bonafide record of project work done by T.REVATHY 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.

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Dindigul - 624 624.

#### CERTIFICATE

This is to certify that this project titled A CRITICAL ANALYSIS AND THEMATIC STUDY OF ANITA DESAI'S CRY THE PEACOCK is a bonafide record of project work done by G.SENBAGAM 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: 24 [04] 2021

HOD AND INTERNAL EXAMINER

(RESEARCH GUIDE)

(Mrs. P.ISAYAKALA)

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Dr. A. CHANDRA BOSE, MA., M.Phil., Ph.D., Assistant Professor of English,

The Madura College (Autonomous) Madurai - 625 011.

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Sakthi Nagar, Palakkanuthu (D.  Mrs. P.ISAYAKALA., M.A., M.Phil., NET., PGDCA

Assistant Professor and HOD,

PG and 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 PSYCHOLOGICAL AND PHYSICAL STRUGGLE FOR EXISTENCE IN JOHN GREEN'S THE FAULT IN OUR STARS is a bonafide record of project work done by R.GEERTHANA 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: 34/04/2021

P. 5. L-9.

(RESEARCH GUIDE)

(Mrs.P.ISAYAKALA)

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Dr. A. CHANDRA BOSE, MA., M.Phil., Ph Jr. A. UNANUKA BUJE, MA., M. PRIII. PR Assistant Professor of English, The Madura College (Autonomou Madurai - 625 011.

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# Mrs.D.MAHESWARI, MA.,M.Phil., M.ED.,(PHD)

Assistant Professor,

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Sakthi College of Arts and Science for Women,

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#### CERTIFICATE

This is to certify that this project titled SUPPRESSION OF WOMEN IN MARGARET ATWOOD'S THE HANDMAID'S TALE AND THE EDIBLE WOMEN is a bonafide record of project work done by M.TAMIL SELVI 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

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### **CERTIFICATE**

This is to certify that the project entitled "ON LAPLACIAN MATRIX FOR DOUBLY WEIGHTED GRAPH" is a record of work carried out by the carrlidate M.BRINDHA, Reg.No:194921ER001 in partial fulfillment of the requirement for the award of the degree of Master of Science in Mathematics, Salthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project has not previously formed the lassis for the award to the candidate of any degree, diploma, associateship, 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.

S. 40901 RESEARCH GUIDE S. 709a

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Sakthi College of Arts and Science f Sakthi Nagar, Palakkanuthu Oddanchatram - 624619, Dindi

Submitted for the Viva-voice Examination held on 23 04 2021

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#### **CERTIFICATE**

This is to certify that the project entitled "A STUDY ON APPLICATIONS OF GRAPH THEORY IN VARIOUS SCIENTIFIC FIELDS" is a record of work carried out by the candidate D.CLARAJENCY, Reg.No:194921ER002 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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 cardidate.

R. Rami

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RESEARCH GUIDE

Research Department of Mathematics Sakth College of Arts and Science for Women, Sakthi Nagar, Palakkanuthu (Poj, Oddanchatram 624 619.

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#### **CERTIFICATE**

This is to certify that the project entitled "MODIFICATION OF DMONDS-KARP ALGORITHM SOLVING FOR MAXIMUM FLOW ROBLEM" is a record of work carried out by the candidate N.DURKA, eg.No:194921ER003 in partial fulfillment of the requirement for the award of the degree Master of Science in Mathematics, Sakthi College of Arts and Science for Women, ddanchatram during the year 2020-2021 under my guidance. The Project has not reviously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship or other similar titles and that the project as a whole in its opproach to the subject, in its organization and the treatment of material and its critical valuation represents independent work of the candidate.

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### CERTIFICATE

This is to certify that the project entitled "A STUDY ON MINIMUM DIAMETER SPANNING TREE" is a record of work carried out by the candidate S.KALAISELVI, Reg.No:194921ER004 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

\_Q . Yogo
RESEARCH GUIDE

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### CERTIFICATE

This is to certify that the project entitled "A STUDY ON SOME GENERALIZATIONS OF LOCALLY CLOSED SETS" is a record of work carried out by the candidate A. KEERTHIGA, Reg. No: 194921ER005 in partial fulfillment 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 2020-2021 under my guidance. The Project has not previously formed the basis for the award to the cardidate of any degree, diploma, associateship, 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 cardidate.

S. Manikka Vaouge S. Yoga RESEARCH GUIDE HOD ...

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This is to certify that the project entitled "A STUDY ON ADJACENCY AND INCIDENCE MATRIX OF A SOFT GRAPH" is a record of work carried out by the candidate P.KOUSALYA, Reg.No:194921ER006 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

S- 7094 RESEARCH GUIDE S. Yoga

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#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON METHOD OF FINDING AN OPTIMAL SOLUTION FOR BALANCED AND UNBALANCED ASSIGNMENT PROBLEM" is a record of work carried out by the candidate M.KOWSALYA, Reg.No:194921ER007 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

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This is to certify that the project entitled "A STUDY ON APPLICATION OF GRAPH THEORY IN SOCIAL MEDIA" is a record of work carried out by the candidate A.MAHALAKSHMI Reg.No:194921ER008 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

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# **CERTIFICATE**

This is to certify that the project entitle "A STUDY ON CPM AND PERT TECHNIQUES FOR SMALL - SCALE RESEARCH AND DEVELOPMENT PROJECTS" is a record of work carried out by the candidate T.MAHALAKSHMI, Reg.No:194921ER009 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 2020-2021 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 subjects, in its organization and the treatment of material and its critical evaluation represents independent work of the candidate.

R. Rami RESEARCH GUIDE

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This is to certify that the project entitled "A STUDY ON GRAPH THEORY TO FIND OPTIMAL PATH AND MINIMIZED COST FOR THE TRANSPORTATION PROBLEM" is a record of work carried out by the candidate P.MANORANJITHAM, Reg.No:194921ER010 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

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#### **CERTIFICATE**

This is to certify that the project entitled "SYSTEM OF EQUATION WITH TI-NSPIRE<sup>TM</sup> CAS SUBSTITUTION" is a record of work carried out by the candidate L.MONISHA, Reg.No:194921ER011 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

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Research Department of Mathematics

Sakthi College of Arts and Science for Women, Sakthi Nagar, Palakkanuthu (Po), PRINCIPAL of Arts and Science for Wor Sakthi Nagar, Palakkanuthu (Pc). Oddanchatram - 624619, Dindigul Di

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### **CERTIFICATE**

This is to certify that the project entitled "A STUDY ON FEW RESULTS ON TOTAL GRAPH OF COMPLETE GRAPH" is a record of work carried out by the candidate M.NAGAMANI, Reg.No:194921ER012in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

T.G. SINDHU RESEARCH GUIDE S, yoga

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### **CERTIFICATE**

This is to certify that the project entitled "A STUDY ON CONNECTEDNESS IN TOPOLOGICAL SPACE" is a record of work carried out by the candidate P.NAGARANI, Reg.No:194921ER013in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

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#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON IMPLEMENTATION OF GRAPH COLOURING TECHNIQUE IN CRIME SCIENCE" is a record of work carried out by the candidate R.RAMYA, Reg.No:194921ER014 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 2020-2021 under my guidance. The Project 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 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.

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#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON COMPARITIVE ANALYSIS OF SIMPLEX AND DUAL SIMPLEX METHOD OF OPTIMIZATION TECHNIQUE ESTABLISHING IMPLEMENTATION OF OPTIMIZATION TOOLS IN MATLAB" is a record of work carried out by the candidate L. RANJITHA, Reg.No: 194921ER015 in partial fulfillment 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 2019-2021 under my guidance. The project 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 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.

T.G. SINDHU RESEARCH GUIDE S.409a

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#### **CERTIFICATE**

This is to certify that the project entitled "A STUDY ON SOLVING A LINEAR SYSTEM WITH NON-SQUARE COEFFICIENT MATRIX USING DETERMINANTS" is a record of work carried out by the candidate M.RENUGA, Reg.No:194921ER016 in partial fulfillment 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 2020-2021 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.

RESEARCH GUIDE
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#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON GRAPH THEORY AND ELECTRICAL NETWORK" is a record of work carried out by the candidate V.SANGEETHA, Reg.No:194921ER017 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

M. Muther lakehmie RESEARCH GUIDE S. 7099 HOD

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Dr. R. There

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Dr. B. JOHNSON M.Sc., M.Phil., Ph.D. Assistant Professor PG & Research Department of Mathematics The American College Madurai-2.

Mrs. R. RANI M.Sc., M.Phil., B.Ed., (Ph.D) ASSISTANT PROFESSOR DEPARTMENT OF MATHEMATICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

# CERTIFICATE

This is to certify that the project entitled "A STUDY ON QUASI COMPACT SPACES AND SOME FUNCTIONS" is a record of work carried out by the candidate C.SARANYA Reg. No: 194921ER018 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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.

R. Rani RESEARCH GUIDE 9.4099

Research Department of Mathematics Sakthi College of Arts and Science for Women,

Sakthi Nagar, Palakkanuthu (Po),

Submitted for the Viva-voce Examination the Tan - 697619.11. 2021 Dindigul Dist.

Sakthi College of Arts and Science fo

Sakthi Nagar, Palakkanuthu (? Oddanchatram - 624619, Dindig

INTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. B. JOHNSON M.Sc. M.PHIL. PH.D. Assignant Professor
PG & Research Department of Mathematics rs. T.G.SINDHU, M.Sc., B.Ed., SET., SLET.,
SSISTANT PROFESSOR
EPARTMENT OF MATHEMATICS
AKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DDANCHATRAM-624 619

# **CERTIFICATE**

This is to certify that the project entitled "A STUDY ON EIGENVALUES OF ERO-DIVISOR GRAPHS OF FINITE COMMUTATIVE RINGS" is a record of work arried out by the candidate C.SARANYA, Reg.No:194921ER019 in partial fulfillment of the quirement for the award of the degree of Master of Science in Mathematics. Sakthi College Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance he Project has not previously formed the basis for the award to the candidate of any degree, ploma, associateship, fellowship or other similar titles and that the project as a whole in its proach to the subject, in its organization and the treatment of material and its critical aduation represents independent work of the candidate.

G. SINDHU

S. Yoga

Research Department of Mathematics
Sakthi College of Arts and Science for Women.
Sakthi Nagar. Palakkanuthu (Pro.).
Oddanchatram 624 619.
Dindigul Dist.

Dr 2-1/200 PRINCIPAL

Sakthi College of Arts and Science for Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624619, Dindigul (

abmitted for the Viva-voce Examination held on 23.04.2021

VTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. B. JOHNSON M.Sc., M.Phil., Ph.D.,

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Mrs. S. MANIKKA VASUGI, M.Sc., M.Phil. ASSISTANT PROFESSOR DEPARTMENT OF MATHEMATICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

# CERTIFICATE

This is to certify that the project entitled "A STUDY ON DOMINATOR COLORING OF DIGRAPH" is a record of work carned out by the candidate A.SHALINI. Reg.No:194921ER020 in partial fulfillment 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 2020-2021 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.

S. Manikka Vasugi RESEARCH GUIDE

S. 4099

Research Department of Mathematics Sakthi College of Arts and Science its would. Sakthi Nagar, Palakkanuthu iroi. Oddanchatram - 624 619. Dindigul Dist.

Sakthi College of Arts and Sakthi Nagar, Palak Oddanchatram - 62461

Submitted for the Viva-voice Examination held on 23.04.2021

EXTERNAL EXAMINER

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Assistant Professor

Department of Mathematics

Sakthi College of Arts and Science for Women

Oddanchatram - 624 619

# **CERTIFICATE**

This is to certify that the project entitled "A STUDY ON TOTAL GRAPPH OF REGULAR GRAPHS" is a record of work carried out by the candidate M.SHARMILA, Reg.No:194921ER021 in partial fulfillment 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 2020-2021 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.

T. Lavanyou RESEARCH GUIDE 5.7099

Dr. R. Miles

Research Department of Mathematics

Sakthi College of Arts and Science for Women. Sakthi Nagar. Palakkanuthu (Po) Samili College of Arts and Science 1

Sakthi Nagar, Palakkanuthu (Po). Oddanchatram - 624619, Dindigul Die

Submitted for the Viva-voce Examination held On 22. 6

INTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. B. JOHNSON M.Sc., M.Phil., Ph.D.,

Mrs. T. LAVANYA, M.Sc., B.Ed., M.Phil.,
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

# CERTIFICATE

This is to certify that the project entitled "A STUDY ON AN ASSIGNMENT PROBLEMS AND ITS APPLICATION IN NIGERIAN INSTITUTIONS" is a record of work carried out by the candidate R.SUBANATHIYA, Reg. No:194921ER022 in partial fulfillment 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 2020-2021 under my guidance. The Project has not previously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship or other similar nitles 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

T. Lavanya RESEARCH GUIDE Research Department of Mathematics
Saxth: College of Arts and Science for Women,
Sakth: Nagar, Palakkanuthu (Po),
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Sakthi Collage of Arts and Science for Woman Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624619, Dindigul Dist,

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INTERNAL EXAMINER

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# CERTIFICATE

This is to certify that the project entitled "A STUDY ON DETAILED ABOUT FUZZY ON ALGEBRA AND FUZZY NEAR RING" is a record of work arried out by the candidate T.SUBASHINI, Reg.No:194921ER023 in partial fulfillment f the requirement for the award of the degree of Master of Science in Mathematics. akthi College of Arts and Science for Women, Oddanchatram during the year 2020-021 under my guidance. The Project has not previously formed the basis for the award the candidate of any degree, diploma, associate ship, fellowship or other similar titles nd that the project as a whole in its approach to the subject, in its organization and the reatment of material and its critical evaluation represents independent work of the andidate.

3. Manikka Vasugi

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Research Department of Mathematics

Sakthi College of Arts and Science for Women, Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619.

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# CERTIFICATE

This is to certify that the project entitled "A STUDY ON MINIMIZATION OF TRANSPORT COSTS IN AN INDUSTRIAL COMPANY THROUGH LINEAR PROGRAMMIG" is a record of work carried out by the candidate M.VALARMATHI, Reg.No:194921ER024 in partial fulfillment 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 2020-2021 under my guidance. The Project 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 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

5. Manikka Vasugi

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Research Department of Mathematics Sakthi College of Arts and Science in Wessell.

Sakthi Nagar, Palakkanuthu iku, Oddanchatram 624 019.

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SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN

ODDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled "Green synthesis of Nickel nanoparticles using Quercus infectoria (Masikkai) powder Extract" is a record of work carried out by the candidate A.ALEX RANI, Reg.No: 194922ER001 in partial fulfillment of the requirement for the award of the degree of Master of Science in physics. Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

Research Department of Physics Sakthi College of Arts and Science for Warring

Sakthi Nagar, Palakkanuthi ---Oddanchatram 62401. Dindigut Disc.

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#### CERTIFICATE

This is to certify that the project entitled "STRUCTURAL, OPTICAL AND ANTI BACTERIAL CHARACTERISTICS OF BIO ENZYME " is a record of work carried out by the candidate J.BHARATHKUMARI, Reg.No:194922ER002 in partial fulfillment of the requirement for the award of the degree of Master of Science in physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 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.

RESEARCH GUIDE

Research Department of Physics

Sakthi College of Arts and Science for Womenakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Pol, Oddanchatram, Dindigui Dist - 624 619.

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INTERNAL EXAMINER

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r.S.PORCHELVI M.Sc.,B.Ed.,M.Phil.,Ph.D., SSOCIATE PROFESSOR& HEAD EPARTMENT OF PHYSICS AKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN DDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled PREPARATION OF POLYMER OMPOSITE MEMBRANE FOR CONTAMINATED WATER TREATMENT is a cord of work carried out by the candidate A.CHANDRALEKHA, Reg.No:194922ER003 partial fulfillment of the requirement for the award of the degree of Master of Science in HYSICS, Sakthi College of Arts and Science for Women, Oddanchatram during the year 120-2021 under my guidance. The Project has not previously formed the basis for the award the candidate of any degree, diploma, associateship, fellowship or other similar titles and at the project as a whole in its approach to the subject, in its organization and the treatment material and its critical evaluation represents independent work of the candidate.

ESEARCH GUIDE

HOD PRINCIPAL

Research Department of Physics Sarthi College of Arts and Science for Worker, thi College of Arts and Science

Sakthi Negar, Palakkanuthu (Po), Sakthi Nagar, Palakkanuthu (Po), Oddanchatram, Diadigul Dist - 624 619. Oddanchatram - 624 619. Dindigul Dist.

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TERNAL EXAMINER

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ODDANCHATRAM-624 619

#### CERTIFICATE

This is to certify that the project entitled "Green synthesis of copper nanoparticles using Quercus infectoria (Masikkai) powder Extract" is a record of work carried out by the candidate C.KALAIVANI, Reg.No:194922ER004 in partial fulfillment of the requirement for the award of the degree of Master of Science in physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

Research Department of Physics

Sakthi College of Arts and Science for Women, Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu Pop. Oddanchatram - 624 619.

PRINCIPAL Sakthi Nagar, Palakkanuthu (Po), Oddanchutram, Dindigui Dist - 624 619.

Dindigul Dist.

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INTERNAL EXAMINER

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Assistant professor,

DEPARTMENT OF PHYSICS,

SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN,

ODDANCHATRAM-624 619.

#### CERTIFICATE

the project entitled SYNTHESIS that certify Pb(C2H3O2)2: KOH NANOCOMPOSITE CHARACTERIZATION Tio2: CHEMICAL PRECIPITATION METHOD is a record of work carried out by the candidate

R. KARTHIKA, Reg.No:194922ER005 in partial fulfillment of the requirement for the award of the degree of Master of Science in physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

Co. Joya Jothi RESEARCH GUIDE

Sasthi College of Arts and Science for Womenathi College of Arts and Science for Plants. Sakthi Nagar, Palakkanuthu (Po),

Sakthi Nagar, Palakkanuthu Pe,, Oddanchatram - 624 619.

Oddanchetram, Dindigul Dist - 624 619.

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INTERNAL EXAMINER

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ASSISTANT PROFESSOR

DEPARTMENT OF PHYSICS

SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN

# CERTIFICATE

This is to certify that the project entitled "BIOSYNTHESIS OF ZIRCONIUM OXIDE NANO PARTICLES USING PIPER NIGRUM LEAF EXTRACT" is a record of work carried out by the candidate K.KASTHURI, Reg.No:194922ER006 in partial fulfillment of the requirement for the award of the degree of Master of Science in Physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

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Research Department of Physics

Sakthi College of Arts and Science for Women, Sakthi Negar, Palakkanuthu (Poj, Oddanchatram - 624 619. Dr. R. helee

PRINCIPAL
Sakthi Callege of Aris and Science for W
Sakthi Nagar, Falakkanuthu (Fe),
Oddanchatram, Diadigul Dist - 624 6.

Submitted for the Viva-voce Examina Rindigal di st. 3 . 1 - 2021

INTERNAL EXAMINER



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Dr. R. SRINIVASAN,
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## CERTIFICATE

This is to certify that the project entitled "BIOLOGICAL PERFORMANCE OF CKEL NITRATE : ZINC SULPHATE HEPTAHYDRATE NANO COMPOSITES NTHESIZED BY CHEMICAL CO - PRECIPITATION METHOD " is a record of work rried out by the candidate M.Kiruthika, Reg.No:194922ER007 in partial fulfillment of e requirement for the award of the degree of Master of Science in Physics, Sakthi illege of Arts and Science for Women, Oddanchatram during the year 2020-2021 der my guidance. The Project has not previously formed the basis for the award to e candidate of any degree, diploma, associateship, fellowship or other similar titles d that the project as a whole in its approach to the subject, in its organization and the atment of material and its critical evaluation represents independent work of the ndidate.

Joya Jothi

SEARCH GUIDE

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Sakthi College of Arts and Science for Women sakthi College of Arts and Science for Women Sakthi Nagar, Palahkanuthuran, Oddanchatram - 624 619

Dindigul Dist.

Sakthi Negar, Palakkanuthu (Po). Oddanchatram, Dindigul Dist - 624 619.

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DI. R. SRINIVASAN, EXT M.Sc., M. Phil., M.Ed., Ph.D.,

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# **CERTIFICATE**

This is to certify that the project entitled "KINETIC STUDY ON SYNTHESIS OF SILVER NANOPARTICLES GREEN COLEUS AROMATICUS LEAF EXTRACT" is a record of work carried out by the candidate R.MARIYAL, Reg.No:194922ER008 in partial fulfillment of the requirement for the award of the degree of Master of Science in Physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

Research itomartment of Physics

Sakthi College of Arts and Science to Would Shkthi College of Arts and beau Sakthi Nagar, Palakkanuthu (Foj.

Oddanchatram - 624 619.

Sakthi Nagar, Palakkanutha Oddanchatram, Dindigui Dist - 64-1 013.

Submitted for the Viva-voce Examination held gul Dist 3 3

INTERNAL EXAMINER

EXTERNAL EXAMINER

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s.S.SRIDEVI.,M.Sc.,B.Ed.,M.Phil.,(PH.D)., SISTANT PROFESSOR PARTMENT OF PHYSICS KTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN DANCHATRAM-624 619

# <u>CERTIFICATE</u>

is is to certify that the project entitled "GREEN SYNTHESIS OF SILVER ANOPARTICLES USING QUERCUS INFECTORIA POWDER EXTRACT" is a record work carried out by the candidate N.NAVARASI Reg.No:194922ER009 in partial Ifillment of the requirement for the award of the degree of Master of Science in PHYSICS, ıkthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under y guidance. The Project has not previously formed the basis for the award to the candidate of w degree, diploma, associateship, fellowship or other similar titles and that the project as a hole in its approach to the subject, in its organization and the treatment of material and its itical evaluation represents independent work of the candidate.

ESEARCH GUIDE

Research Department of Physics Sakthi College of Arts and Science for Women, Sakthi College of Arts and Science for Women Sakihi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619. Dindigul Dist.

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Submitted for the Viva-voce Examination held on

INTERNAL EXAMINER

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## **CERTIFICATE**

This is to certify that the project entitled "STRUCTURAL AND LUMINESCENCE PROPERTIES OF BIOENZYME USING TAMARIND is a record of work carried out by the candidate S.PANDISELVI, Reg.No:194922ER010 in partial fulfillment of the requirement for the award of the degree of Master of Science in PHYSICS, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

Project Department of Physics

Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619.

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PRINCIPAL

Den .. college of Arts and Science for Women, Sakthi College of Arts and Science for Women Sekuhi Nagar, Palake anuthu (Po). Oddanchatram, Dindigul Dist - 624 619.

Submitted for the Viva-voce Examination held on 23 14

INTERNAL EXAMINER

Dr. R. SRINIVASAN

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4rs.G.JEYA JOTHI, M.Sc.M.Ed., M.Phil. (Ph.D) SSISTANT PROFESSOR DEPARTMENT OF PHYSICS AKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN DDDANCHATRAM-624 619

# <u>CERTIFICATE</u>

This is to certify that the project entitled "GREEN SYNTHESIS & CHARACTERIZATION OF NANO PARTICLES USING SPINACIA OLERACEA LEAF EXTRACT AND ITS NTIBIOTIC ACTIVITIES" is a record of work carried out by the candidate.M.PARAMESHWARI, eg.No:194922ER011 in partial fulfillment of the requirement for the award of the degree of Master of zience in physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-121 under my guidance. The Project has not previously formed the basis for the award to the candidate of any gree, diploma, associateship, fellowship or other similar titles and that the project as a whole in its approach the subject, in its organization and the treatment of material and its critical evaluation represents independent ork of the candidate.

G. Teyajothi RESEARCH GUIDE

Precarch Department of Physics

Sakth: Nagar, Palakkanuthu (Po). Oddanchatram - 624 619. Dindigul Dist.

Santa, College of Arts and Science for Women, Sakthi College of Arts and Science for Wo Sakthi Nagar, Palakkanuthu (Po Oddanchatram, Dindigul Dist - 624 61

Submitted for the Viva-voce Examination held on 23-04-2021

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PG and Research Department of Physic Thiagarajar College, Madurai- 625 009. Tamil Nadu, India

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# **CERTIFICATE**

This is to certify that the project entitled PREPARATION OF POLYMER COMPOSITE MEMBRANE FOR FUEL CELL APPLICATIONS is a record of work carried out by the candidate E.RENGANAYAKI Reg.No:194922ER012 in partial fulfillment of the requirement for the award of the degree of Master of Science in PHYSICS, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

Research Bentment of Physics

Casini College of Arts and Science for Wo nenSakthi College of Arts and Science for Wo-Sakthi Nagar, Palakkanuthu (Po,

Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619.

Oddanchatram, Dindigul Dist - 624 619

Submitted for the Viva-voce Farmination licked Dist. 2 2

INTERNAL EXAMINER

Dr. R. SRINIVASAN Dr. R. SP. M.Sc. M. Phil., M.Ed., Ph.D.,

Associate Protessor PG and Research Department of Physics Thiagarajar College, Madurai-625 009. Tamil Nadu, Indie

Mrs. M.N.JOTHI M.Sc., M.Phil., B.Ed., (Ph.D)., ASSISTANT PROFESSOR DEPARTMENT OF PHYSICS SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN **ODDANCHATRAM-624 619** 

## **CERTIFICATE**

This is to certify that the project entitled "GREEN SYNTHESIS OF SODIUM CHLORIDE NANO PARTICLES USING NYCTANTHES ARBOR-TRISTIS LEAF EXTRACT" is a record of work carried out by the candidate J.SHARMILABHARATHI, Reg.No:194922ER013 in partial fulfillment of the requirement for the award of the degree of Master of Science in Physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

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This certify that the project SYNTHESIS entitled CHARACTERIZATION OF SILVER NONOPARTICLES USING PETEL EXTRACT is a record of work carried out by the candidate T.VANMATHI, Reg.No:194922ER014in partial fulfillment of the requirement for the award of the degree of Master of Science in physics, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

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This is to certify that the dissertation entitled "GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER DOPED COPPER OXIDE NANOPARTICLES USING COFFEA ARABICA LEAF" is a record of work carrier out by the candidate M.N BANU PRIYA (Reg.No: 194923ER002) 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 2020-2021 under my guidance. The Project 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 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.

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This is to certify that the dissertation emitted "SYNTHESIS AND CHARACTERIZATION OF STRONTIUM DOPED CADMIUM OXIDE NANOPARTICLES " is a record of work carrier out by the candidate K.BHAVANIPRIVA ( Reg.No. 194923ER003) 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 Weimen, Oddanchatram during the year 2020-2021 under my guidance. The Project has not previously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship, or other similar ritles 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

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#### CERTIFICATE

This is to certify that the dissertation entitled "EFFECT OF Fe2and Mis. DOFING ON TIN OXIDE NANOPARTICLES" is a record of work carried out by the candidate M.DEFPA(Reg.No:194923ER096) in partial fulfillment of the sugarement for the award of the degree of Master of science in chemistry , saidthi sollege of Arts And Science for women, Oddanchatram,during the year 2020-2021 under my guidance. The project 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 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.

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This is to certify that the dissertation entitled "SYNTHESIS AND CHARACTERIZATION OF VANADIUM DOPED MANGANESE SULPHIDE NANOPARTICLES " is a record of work carrier out by the candidate V.DHARAGA KOWSALYA ( Reg.No: 194923ER007) 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 2020-2021 under my guidance. The Project 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 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

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This is to certify that the dissertation cutilled "EFFECT OF DOPING IN COPPER OXIDE NANOPARTICLES STUDIED BY XRD" is a record of work carried out by the candidate T.KEERTHANA ( Reg.No: 194923ER009 ) 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 2020-2021 under my guidance. The Project 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 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.

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This is to certify that the project entitled Trigonella Foneum -Graecum As Environmental Friendly corrosion Inhibitor For carbon steel in acid medium is a record of work carried out by the candidate M.MARIYAMMAL (Reg.No: 194923ER013)in partial fulfillment of the Requirement for the award of the degree of Master of science Chemistry Sakthi college of arts and science for Women oddanchurum during the year 2020-2021 under My auidance. The Project has not previously formed the basis for award to the candidate of any degree diploma associate ship fellowship or other similar titles and that 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

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# CERTIFICATE

This is to certify that the dissertation entitled EFFECT OF DOPING IN CADMIUM OXIDE NANOPARTICLE STUDIED BY XRD is a record of work carried out by the candidate M.NHANDHINI ( Reg.No. 194923ER015) 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, thiring the year 2020-2021 under my guidance. The Project 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 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.

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### CERTIFICATE

This is to cently that the dissertation entitled INHIBITION OF CORROSION OF CARBON STEEL IN WELL WATER BY NATURAL BITTER GOURD ZN" SYSTEM" . 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. K.PRIYATHARINI, (Reg. No. 194923ER017) her study in the department of chamistry at Sakthi college of arts and science for women, Oddanchatram, under my supervision and guidance

Place: Oddanchatram

Date: Q 3-4-21

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This is to certify that the dissertation entitled "GREEN SYNTHESIS AND CHARACTERIZATION OF SLIVER DOPED COPPER OXIDE USING COFFEE ARABICA LEAF" is a record of work carrier out by the candidate P.RUBHA (Reg. No. 194923ER922) 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 2020-2021 under my guidance. The Project has not previously formed the basis for the award to the candidate of any degree, diploma, associate ship, tellowship, 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 33 OH 2021

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INTERNAL EXAMINER

#### CERTIFICATE

This is to certify that the dissertation entitled "INHIBITION OF CORROSION OF CARBON STEEL IN WELL WATER BY NATURAL CLOVE DYE-ZN2" SYSTEM", 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.K.SARMILA, (Reg. No. 194923ER024) her study in the department of chemistry at Sakthi college of arts and science for women, Oddanchatram, under my supervision and guidance

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Date: 23-4-21

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This is to certify that the dissertation entitled "SYNTHESIS AND CHARACTERIZATION OF LEAD DOPED NICKEL OXIDE NANOPARTICLES " is a record of work carrrier out by the candidate S. SELVI Reg. No: 194923ER025 in partical 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 2020-2021 under my guidance. The Dissertation 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 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

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## CERTIFICATE

This is to certify that the dissertation entitled ""GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER DOPED COPPER OXIDE NANOPARTICLES USING COFFEA ARABICA LEAF" is a record of work carrier out by the candidate R.SHALINI (Reg.No: 194923ER026) 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 2020-2021 under my guidance. The Project 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 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: 23.04 2021

D. R. There 33/04/21

Research Department of Chemistry Sacial College of ten con George for Women.

Sakth Nagar, Palakkanutno (Poj. Oddanchatram - 624 019. Sakthi College of Arts and Science for Woman Sakthi Nagar, Palakkanuthu IPr Oddanchatram - 624 619, Dindigui Dist.

Submitted for the Viva-voce Examination held on 23 04 2021

D. Pare Dord

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

Assertant professor.

Department of Chemistry.

Sakthi college of Arts and Science for Women.

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#### CERTIFICATE

CORROSION INHIBITOR FOR CARBON STEEL IN HYDROCHLORIC ACID MEDII M\* is a record of work carried out by the candidate S. SHANMUGAPRIYA, Reg. No: 194923ER027 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. Oddanchathram, during the year 2020-2021 under my guidance. The project 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 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.

RESEARCH GUIDE

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Dy D. Thelico Salthi Collage of arts and Science to

Sakihi Nagar, Palakkanuthu ( Oddan barran - 624619, Dindigu

Submitted for the Viva-voce Examination held on 23 C4 2024

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## CERTIFICATE

This is to certify that the dissertation entitled "EFFECT OF DOPING IN COPPER OXIDE NANOPARTICLES STUDIED BY XRD" is a record of work carried out by the candidate S.SHARMILADEVI (Reg.No: 194923ER028) 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 2020-2021 under my guidance The Project 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 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: 22-4-21

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#### CERTIFICATE

This is to certify that the project entitled "STUDY THE MAGNETIC NATURE OF MaOx DOPED MATERIAL BY COMPUTATIONAL METHOD" is a record of work correct out by the candidate K.SIRAFIN SAHANA, Reg.No:104923FR029 in partial fulfillment of the requirements for the award of the degree of Muster of Science in Chamistry, and the college of arts and science for women, oddenchatram during the year 2029-2021 under my guidance like Project has not previously formed the basis for the award to the candidate of any degree, diploses, associateship, fellowship or other similar titles and the project as a whole in its approach to the subject, in its organization and the treatment of material and its cratical evaluation represents independent work of the candidate

RESEARCH GUIDE

Research Department of Chemistry

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## CERTIFICATE

This is to certify that the Project entitled "COMPARATIVE STUDY OF CORROSION INHIBITOR FOR CARBON STEEL IN ACIDIC MEDIUM" is a record of work carried out by the candidate Ms. SIVA SHANKARI K., REG. NO.: 194923ER030 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, Oddanchathram, during the year 2020-2021 under my guidance. The project 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 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.

RESEARCHGUIDE

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Submitted for the Viva-voce Examination held on 23.04.2021

D. Payo Darge. INTERNAL EXAMINER

#### CERTIFICATE

This is to certify that the descentation entitled STLDY THE MAGNETIC BYMMETRICAL MOMENT OF CERIUM OXIDE is a record of work carried out by the caradidate B.SONIVA SHREE ( Reg.No.: 194923ER031) in partial fulfillment of the requirement for the award of the degree of Master of Science in Chemistry, bakithi College of Arts and Science for Women. Oddanchatram, during the year 2020-2021 under my guidance. The Project 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 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.

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## CERTIFICATE

This is to certify that the project entitled is a record of work carried out by the candidate "GREEN SYNTHESIS OF SILVER OXIDE NANOPARTICLES BY USING MORINGA OLEIFERA LEAF EXTRACT" is a record of work carried by the candidate M. Sowmiya, Reg.No:194923ER032 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 2020-2021 under my guidance The Project 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 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: oddanchatnam

DATE: 23.4 2021

SIGNATURE OF THE GUIDE

HEAD OF THE DEPARTMENTY

Sakthi College of Aria and Charles on Worlds, Sakthi Nagar, Palanakou na 1945, Oddanchatram 624 519

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## CERTIFICATE

This is to certify that the dissertation entitled "STUDY THE MAGNETIC SYMMETRICAL MOMENT OF CERIUM OXIDE (CeO2) BY COMBINED GROUP THEORY & COMPUTATIONAL METHOD" is a record of work carried out by the candidate M.SUMITHRA ( Reg.No: 194923ER033 ) 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 2020-2021 under my guidance. The Project 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 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 23-4-21

Rearch Department of

Securi College of Arts : Sexto Nagar, Pales com Pop.

Odganchatran 02+019

Submitted for the Viva-voce Examination held on

Saxthi College of Arts and Science for Sakthi Nagar, Palakkanuthu Oddanchatrem - 524619, Dingiyu,

# CERTIFICATE

Mn DOPING ON TIN OXIDE NANOPARTICLES" is a record of work carried out by the candidate R.THIVYA (Reg.No:194923ER034) 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 2020-2021 under my guidance. The project 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 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.

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Date: 23-4-21

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#### CERTIFICATE

This is to certify that the project entitled "A Study on Customer Satisfaction towards Mobile Banking Services in Dindigul Town" is a record of work carried out by the candidate M.BHUVANESHWARI, Reg.No:194941ER001 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 2019-2021 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.

T. Y Tangar RESEARCH GUIDE

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Submitted for the Viva-voce Examination held on 23.04.202)

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Ms. G.RATHIKA, M.Com., M.Phil., Assistant Professor, Department of Commerce, Sakthi Collage of Arts and Science for Women Oddanchatram-624 619

## CERTIFICATE

This is to certify that the project entitled "A STUDY ON CUSTOMERS ATTITUDE TOWARDS ONLINE SHOPPING IN DINDIGUL " is a

carried out by the candidate G.MOHANALAKSHMI, of work (RegNo:194941ER002) 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 2020-2021 under my guidance. The Project 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 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.

1. Rattita RESEARCH GUIDE M. Back

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Mrs. M.Radha, M.Com., M.Phil, MBA., with SET.(PH.D) Head, Associate Professor Research Department of Commerce, Sakthi College of Arts and Science for Women, Oddanchatram.

## CERTIFICATE

This is to certify that the project entitled "A STUDY ON IMPACT OF BUYING ON CONSUMER BEHAVIOUR SOCIAL MEDIA ODDANCHATRAM" is a record of work carried out by the candidate. R. PRABHA (Reg. No.:194941ER003) 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 2020-2021 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.

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Internal examiner

External Examiner

Mrs. M.RADHA, M. COM., M.PHIL., MBA., SET.,(PH.D) Head & Associate Professor Department Of Commerce Sakthi College Of Arts and Science for Women Oddanchatram-624 619

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This is to certify that the project entitled "A STUDY ON CONSUMER PERCEPTION TOWARDS PATANJALI PRODUCTS IN ODDANCHATRAM TOWN " is a record of work carried out by the candidate R.RATHIGA, (RegNo:194941ER004) 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 2020-2021 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.

H. Back RESEARCH GUIDE

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Samo the legs of Arts and science for Wamen, Skeini Nagar, Palakkanutnu (Po), Oddanchatram - 624 619. Dindigui Dist.

Sakthi College of Arts and Science for Sakthi Nagar, Palakkanuthu ( Oddanchatram - 624619, Dindigu

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1rs. M.RADHA, M.COM., M.Phil., MBA., SET., (Ph.D).,

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# CERTIFICATE

This is to certify that the project entitled "COMPALINT MANAGEMENT SYSTEM IN PHP" is a record of work carried out by the candidate V.GOMATHI, (Reg. No: 194942ER001) in partial fulfillment of the requirement for the award of the degree MASTER OF COMMERCE WITH COMPUTER APPLICATION, sakthi college of arts and science for women, oddanchatram, during the year 2019-2021 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.

RESEARCH GUIDE

Research Department of Commerce San Lau College of Arts and Science for Women, sakthi Nagar, Palakkanuthu (Po), Undanchatram - 624 619.

Dr. R. Thelew

Sakthi College of Arts and Science for Manage Sakthi Nagar, Palakkanuthu (Pr Oddanchatram - 624619, Dindigu, Dist.

Submitted for the Viva-voce Examination held on 23.04.202)

INTERNAL EXAMINER

7.4-ev\_e EXTERNAL EXAMINER

Mrs.T.GOWRI THANGAM.,,M.COM.,,M.PHIL.,,B.ED.,

Assistant professor

Research Department of Commerce,

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Oddanchatram-624 619

## CERTIFICATE

This is to certify that the project entitled "E-COMMERCE ONLINE SHOPPING IN PHP" is a record of work carried out by the candidate GOWTHAMI.B, (Reg.No:194942ER002) 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 2019-2021 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.

Saxini College of Arts and Science to Homes. Sakthi Nagar, Palakkanuthu (Po),

Oddanchatram - 624 619.

Sakthi Nagar, Palakkanuthus, Oddanchatram - 624619, Dindigui Dis

Submitted for the viva-voce Examination District on 23. 04. 2021

T. K-ev-

Mr.G.RATHIKA., M.COM., M.PHIL., Assistant Professor Department Of Commerce Sakthi College Of Arts And Science For Women Oddanchatram-624 619

# CERTIFICATE

This is to certify that the project entitled "FULL ONLINE TELEPHONE AND DTH BILLING SYSTEM IN PHP" is a record of work carried out by the candidate S.GUNASELVI, Reg.No:194942ER003 in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLIATIONS, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

F -arch Department of Comm Saura College of Arts and Science for Woleca, Sakthi Nagar, Palakkanuthu (Poj, Oddanchatram - 624 619.

Sakthi College of Arts and Science for Words Sakthi Nagar, Palakkanuthu (Pc Oddanchatram - 624 619, Dindigui Dist.

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

**Assistant Professor** 

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## CERTIFICATE

This is to certify that the project entitled "PLACEMENT MANAGEMENT SYSTEM IN PHP" is a record of work carried out by the candidate M.HEPHSIBA, Reg.No:194942ER004 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 2020-2021 under my guidance. The project 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 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.

of Arm and Science for Women. Dagroi Nagar, Palakkanuthu (Pol.

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Dr. R. The Sei

PRINCIPAL Sakthi College of Arts and Science for Women

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Submitted for the Viva-voco Example 19 held on 23.04.202)

INTERNAL EXAMINER

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Mrs. S.USHARANI M. COM., M. PHIL., B.E.D., Assistant professor Department of commerce Sakthi College of Arts and Science for Women Oddanchatram - 624 619

# CERTIFICATE

This is to certify that the project entitled "SHOPPING MALL MANAGEMENT SYSTEM IN PHP" is a record of work carried out by the candidate G.KOUSALYA, Reg.No:194942ER005 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 2020-2021 under my guidance. The Project 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 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.

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Assistant Professor

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# CERTIFICATE

This is to certify that the project entitled "E-BANKING APP TO MANAGE ACCOUNTS AND TRANSFER IN PHP" is a record of work carried out by the candidate S.LAVANYA, (Reg.No:194942ER006) 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 2020-2021 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.

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7. 4-ev-EXTERNAL EXAMINER Ms. G.SHANMUGA PRIYA, M.Com(CA)., M.PHIL.,

Assistant Professor Department Of Commerce Sakthi Collage Of Arts and Science for Women Oddanchatram-624 619

## CERTIFICATE

This is to certify that the project entitled "ASSET TRACKING AND PROPERTY MANAGEMENT SYSTEM" is a record of work carried out by the candidate C.MANIPRABHA, (RegNo:194942ER007) 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 2020-2021 under my guidance. The Project 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 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.

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Head & Associate Professor

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# **CERTIFICATE**

This is to certify that the project entitled "HOTEL MANAGEMENT SYSTEM IN PHP" is a record of work carried out by the candidate N.PAVITHRA, (Reg.No:194942ER008) 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 2020-2021 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.

RESEARCH GUIDE

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Dr. R. Thelies,

Sakthi College of Arts and Science for We-Sakthi Nagar, Palakkanuthu (Po) Oddanchatram - 624619, Dindigul Du

Submitted for the Viva-voce Examination held on 23,04.2021

M. Radk

7.4-0V-0 EXTERNAL EXAMINER

Mrs. T. GOWRITHANGAM M. COM., M. PHIL., B.E.D.,

Assistant professor Department of commerce Sakthi College of Arts and Science for Women Oddanchatram - 624 619

# CERTIFICATE

This is to certify that the project entitled "EVALUATING RETAILERS IN A SMART-BUYING ENVIRONMENT USING SMART CITY INFRASTRUCTURES" is a record of work carried out by the candidate ROJA.R, Reg.No:194942ER009 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 2020-2021 under my guidance. The Project has not previously formed the basis for the award to the candidate of any degree, diploma, associateship, fellowship or other similar t es 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 H. Rad My Dr. R. Theles candidate.

T. It Thang RESEARCH GUIDE

Research Depar HOD Commerce PRINCIPAL Same College of Arts and Science for Women, Salithi College of Arts and Science for War in

Sakthi Nagar, Palakkanuthu (Po), Oddanchatram - 624 619.

Sakthi Nagar, Palakkanuthu (Po) Oddanchatram . 624619, Dindigul Dist.

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7.4-0V-0 EXTERNAL EXAMINER Mrs.M.RADHA,M.COM.,M.PHIL.,MBA.,SET.,(PH.D)

Head & Associate professor

Department of commerce Sakthi College of Arts and Science for Women

Oddanchatram - 624 619

# CERTIFICATE

This is to certify that the project entitled "DEVELOPMENT OF AN ONLINE COURSE PORTAL FOR A CAMPUS IN PHP" is a record of work carried out by the candidate SRIJA.K, Reg.No:194942ER010 in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLICATIONS, Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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

RESEARCH GUIDE

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Submitted for the Viva-voce Examinitation need on 33.04 - 202

Ms.G.RATHIKA, M.Com., M.Phil., Assistant Professor Department Of Commerce Sakthi College Of Arts And Science For Women Oddanchatram - 624 619

# CERTIFICATE

This is to certify that the project entitled "VEHICLE SALES AND MANAGEMENT SYSTEM IN PHP" is a record of work carried out by the candidate R,SRIVIDHYA, (Reg.No:194942ER011) in partial fulfillment of the requirement for the award of the degree of MASTER OF COMMERCE WITH COMPUTER APPLIATIONS,, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

IDE Security College of Aris and Science for Women, Oddanchatram - 624 619. Dindigul Dist.

Sakthi Nagar, Palakkanuthu (Po), Sakthi College of Arts and Science for Sakthi Nagar, Palakkanuthu (P Oddanchatram - 624619, Dindigui vist.

Submitted for the Viva-voce Examination held on 23,04,2021

Mrs.S.KAVITHA,M.Sc.,M.Phil.,(Ph.D).,
ASSISTANT PROFESSOR & HEAD
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled "HYBRID CLUSTERING TECHNIQUE BASED SEGMENTATION OF BRAIN TUMOUR" is a record of work carried out by the candidate K.R.BARANI, Reg.No:194926ER001 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

HOD

Research Department of Commuter Seconds
Sakthi College of Arts and Science of Monea,
Sakthi Nagar, Palakkanicho (Po),
Oddanchatram (624 619.
Dindigul Dist.

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Sakthi College of Arts and Science for Wome
Sakthi Nagar, Palakkanuthu (Poi,
Oddanchatram, Dindigul Dist - 624 619.

Submitted for the Viva-voce Examination held on \_\_\_\_\_ 3.04.20

INTERNAL EXAMINER

00DANCHATRAM 624 619

Mrs.S.KAVITHA, M.Sc. M.Phil., (Ph.D).,
ASSISTANT PROFESSOR & HEAD
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled "TO PREDICT THE BRIGHTNESS OF TERRAIN & CLOUD PIXELS IN REMOTE

SENSING IMAGE" is a record of work carried out by the candidate M.DHURGA

DEVI, Reg.No:194926ER002 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

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RINCIPAL

Research Department of Commuter Science akthi College of Arts and Science for Women Sarthi College of Arts and Science for Women Sarthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Fo), Sakthi Nagar, Palakkanuthu (Fo), Oddanchatram 624 619.

Oddanchatram 624 619.

Dindigul Dist.

Submitted for the Viva-voce Examination held on

23.04.21

INTERNAL EXAMINER

EXTERNAL EXAMINED 4 21

Mrs.S.KAVITHA, M.Sc., M.Phil., (Ph.D)., ASSISTANT PROFESSOR & HEAD DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled "KIDNEY STONE DETECTION USING MRI" is a record of work carried out by the candidateS.GEETHA, Reg.No:194926ER003 in partial fulfillment of the requirement for the award of the degree of Master of Computer Science, Sakthi college of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

HOD

Research Department of Computer Science Salthi College of Aris and Science for Women

Sakthi College of Arts and Science of Francu. Sakthi Nagar, Palakkanurmining,

Oddanchatram h/2 019.

Dinging Submitted for the Viva-voce Examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER

Sakthi Nagar, Palakkanuthu (Po),

Oddanchatram, Dindigul Dist - 624 619.

Mrs.S.Yoga, M.Sc.,(CS&IT)., M.Sc.,(Maths)., M.Phil.,(CS).,M.Phil.,(Maths)., ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN **ODDANCHATRAM-624 619** 

## **CERTIFICATE**

This is to certify that the project entitled "A SMART PHONE IMAGE PROCESSING APPLICATION FOR PLANT DISEASE DIAGNOSIS" is a record of work carried out by the candidate S.HARINI, Reg.No:194926ER004 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

S. Yoga RESEARCH GUIDE

Sakthi Nagar, Palakkanuthu (Po), Oddanchatram, Dindigul Dist - 624 619.

Research Department of Computer Science - Salkthi College of Arts and Science for Women Sakthi College of Arts and Science in somen, Sakthi Nagar, Palakkanorho (Fo),

Oddanchatram 024 019. Dindigui Dist.

23.04.2021

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INTERNAL EXAMINER

Mrs.S.Yoga, M.Sc.,(CS&IT)., M.Sc.,(Maths)., M.Phil.,(CS).,M.Phil.,(Maths).,
ASSISTANT PROFESSOR
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ODDANCHATRAM-624 619

#### CERTIFICATE

This is to certify that the project entitled "TEXT DETECTION AND RECOGNITION FROM NATURAL SCENE" is a record of work carried out by the candidate S.HARITHA, Reg.No:194926ER005 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

S. Yoga RESEARCH GUIDE

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Research Department of Computer Science Sakthi College of Arts and Science America, Sakthi Nagar, Palakkanorno 201, Oddanchatram - 624 019.

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Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po), Oddanchatram, Dindigul Dist - 624 619.

Submitted for the Viva-voce Examination held on

INTERNAL EXAMINER

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Mrs.S.Yoga, M.Sc.,(CS&IT)., M.Sc.,(Maths)., M.Phil.,(CS).,M.Phil.,(Maths).,
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

### CERTIFICATE

This is to certify that the project entitled "REAL TIME VECHICLE SECURITY SYSTEM THROUGH NUMBER PLATE AND FINGERPRINT RECOGNITION" is a record of work carried out by the candidate E.INDHU, Reg.No:194926ER006 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

S. YOGO RESEARCH GUIDE

HOD

Research Department of Commuter Science
Saxthi College of Arts and Science (or Monica,
Sakthi Nagar, Palakkanutho (10),
Oddanchatram 624 619.
Dindigul Dist.

Dr R herei

PRINCIPAL
Sakthi College of Arts and Science for Wemen
Sakthi Nagar, Palakkanuthu (Po),
Oddancharam, Dindigui Dist - 624 619.

Submitted for the Viva-voce Examination held on

23.04.2021

INTERNAL EXAMINER

2.04.9021 DDANCHAS 624 613

EXTERNAL EXAMINER 4 2

Ms.N.NANTHINI M.Sc.,M.Phil.,
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

#### CERTIFICATE

This is to certify that the project entitled "PLANT IDENTIFICATION USING LEAF IMAGES" is a record of work carried out by the candidate J.JAYASEELI Reg.No:194926ER007 in partial fulfillment of the requirement for the award of the degree of Master of Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

N. Nang RESEARCH GUIDE

HOD

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Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po), Oddanchatram, Dindigul Dist - 624 619.

Submitted for the Viva-voce Examination held on

83.04.2021

INTERNAL EVAMINED

ODDANGHAT

EXTERNAL EXAMINER

Ms.N.NANTHINI M.Sc.,M.Phil.,
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

#### **CERTIFICATE**

This is to certify that the project entitled "RETINAL DISEASE SCREENING THROUGH LOCAL BINARY PATTERNS" is a record of work carried out by the candidate K.KAVYA, Reg.No:194926ER008 in partial fulfillment of the requirement for the award of the degree of Master of Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

HOD

Dr. D. Theseo

Research Department of Commuta-Science Sakthi College of Arts and Sakthi Nagar, Palaka

Oddanchatram - 624 ..... Dindigul Dist. PRINCIPAL

PRINCIPAL
Sakthi College of Arts and Science for Words
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Oddanchatram, Dindigul Diar - 524 619.

Submitted for the Viva-voce Examination held on

23.04.202

INTERNAL EXAMINED

23.04.2021 CODDANCHATRAL 624 619

EXTERNAL EXAMINER 4 2

Mrs.R.MADHUMATHI,MCA.,M.Phil., ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

#### **CERTIFICATE**

This is to certify that the project entitled "COMMENTS ON STEGANOGRAPY USING REVERSIBLE TEXTURE SYNTHESIS" is a record of work carried out by the candidate N.KIRUTHIKA, Reg.No:194926ER009 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

R. Madelli

RESEARCH GUIDE

Sakthi College of Aris and Science for Women Sakthi Nager, Palakkanuthu (Po), Oddanchatram, Dindigul Dist - 624 619.

Sakthi Nagar, Palakken on a stop, Oddanchatram - 624 019.

Research Department of Computer Science

Dindigul Dist.

Submitted for the Viva-voce Examination held on

Mrs.R.MADHUMATHI,MCA.,M.Phil., ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN **ODDANCHATRAM-624 619** 

#### **CERTIFICATE**

This is to certify that the project entitled "IRIS RECOGNITION-IMAGE PROCESSING" is a record of work carried out by the candidate S.NAGA PRIYA, Reg.No:194926ER010 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

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RESEARCH GUIDE

Dindigul Dist.

Research Department of Computer Science Oddanchatram - 624 019.

Sakthi College of Arts and Mase Town, Sakthi College of Arts and Science for Sakthi Nagar, Palakkanuthu (Pc. Sakthi Nagar) (Pc. Sakthi Oddanchatram, Dindigul Dist - 624 019.

Submitted for the Viva-voce Examination held on 3504, 202

Mrs.P.ALAGUTHAI.,M.Sc(CS&IT).,M.Phil(CS)., ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

#### **CERTIFICATE**

This is to certify that the project entitled "IMPLEMENTING NOVEL CRYPTOGRAPHY TECHNIQUE IN IMAGE ENCRYPTION AND SECURE DATA HIDING" is a record of work carried out by the candidate R.PADMAVATHY, Reg.No:194926ER011 in partial fulfillment of the requirement for the award of the degree of Master of Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

HOD

Research Department of Computer Reignoe Saxthi College of Arts and Science of Strate, Sakthi Nagar, Palakkanutet 170,

Oddanchatram - 624 019.

Sakthi College of Arts and Science for Womer Sakthi Nagar, Palakkanuthu (Po), Oddanchatram, Dindigul Dist - 624 619.

Dindigul Dist.
Submitted for the Viva-voce Examination held on

MISSPALAGUTHAL, M.SS(CSRIT), M.Phili(CS). ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-628 619

# CERTIFICATE

This is to certify that the project entitled "CONTENT BASET IMAGE RETRIEVEL BASED ON COLOR & TEXTURE FEATURES" is a record of work carried out by the candidate M.PATTU PRIYA, Reg.No:194926ER012 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RCH GUIDE

Research Department of 1

Saktan College or arms see sugge Sakthi Nagar, Patakkanome oras, Saithi Nagar, Palakkamuthu (Po),

Oddanchatram - 624 619. Dindigul Dist.

Submitted for the Viva-voce Examination held on

Mrs.P.Rasukkannu, M.Sc., M.Phil., ASSISTANT PROFESSOR SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN **ODDANCHATRAM-624 619** 

#### **CERTIFICATE**

This is to certify that the project entitled "OBJECT BASED SEGMENTATION USING KFCM TECHNIQUE FOR SHADOW DETECTION AND REMOVAL FROM SATELLITE IMAGES" is a record of work carried out by the candidate B.PAVITHRA. Reg.No:194926ER013 in partial fulfillment of the requirement for the award of the degree of Master of Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

Research Department of Computer Science Sakthi College of Arts and Science - France,

Sakthi Nagar, Palakkanuth , roj, Oddanchatram - 624 619. Dindigul Dist.

PRINCIPAL

Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu [Po], Oddanchatram, Dindigul Dist - 624 619.

Submitted for the Viva-voce Examination held on

Mrs. P.RASUKKANNU, M.Sc., M.Phil., ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

#### CERTIFICATE

This is to certify that the project entitled "DEDUCTION OF LUNG CANCER WITH DIGITAL IMAGE PROCESSING OVER CT SCAN IMAGES" is a record of work carried out by the candidate B.PRITHIKA, Reg.No:194926ER014 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 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.

RESEARCH GUIDE

HOD

Research Department of Computer Sakthi College of Arts and School

Sakthi College of Arts and Science for Women Sakthi Nagar, Palakkanuthu (Po),
Oddanchatram, Dindigul Dist - 624 619.

Oddanchatrani 624 019. Dindigul Dist.

Submitted for the Viva-voce Examination held on

Ms.P.Shanthi, M.Sc.,M.Phii,
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

# CERTIFICATE

This is to certify that the project entitled "DEEP REPRESENTATION BASED FEATURE EXTRACTION AND RECOVERING FOR FINGERVEIN VERIFICATION" is a record of work carried out by the candidate N.SARANYA DEVI, VERIFICATION is a record of work carried out by the candidate N.SARANYA DEVI, Reg.No:194926ERO15 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

HOD

Research Department of Communica Science.
Sakthi College of Arts and mice Sakthi Nagar, Palakkanin Sakthi Nagar, Palakkanin Sakthi Nagar,

Oddanchatram - 624 019.
Dindigul Dist.

PRINCIPAL

PRINCIPAL
Sakthi College of Arts and Science for Wo
Sakthi Nagar, Palakkanuthu (Po).
Oddanchatram, Dindigul Dist - 624 6

Submitted for the Viva-voce Examination held on 35

INTERNAL EXAMINER

EXTERNAL EXAMINER

Ms.P.Shanthi, M.Sc.,M.Phil.,
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE
SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN
ODDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled "LOSSELESS IMAGE AND VIDEO COMPRESSION TECHNIQUE USING COMBINATION METHODS" is a record of work carried out by the candidate V.G.SARANYA DEVI, Reg.No:194926ER016 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

HOD

PRINCIPAL

Research Department of Commits Relations
Saxton College of Arts and Arts an

Sakthi College of Arts and Science for V Sakthi Nagar, Palakkanuthy (P Oddanchatram, Dindigul Dist - 024-

Submitted for the Viva-voce Examination held on

83 04 2021

INTERNAL EXAMINER

EXTERNAL EXAMINER 4 2

Ms.K.SUSMITHA, M.Sc., M. Phil.,

ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

#### CERTIFICATE

This is to certify that the project entitled "LUNG NODULE DETECTION IN X-RAY IMAGE USING CNN" is a record of work carried out by the candidate B.SATHIYAPRIYA, (Reg.No:194926ER017) in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

PRINCIPAL

Oddanchatram, Dindigul Dist - Car. U.

Research Department of Commuter Science Sakthi College of Arts and Science fa-Sakthi College of Arts and Sciens Sakthi Nagar, Palakkan, or pro

Oddanchatram - 624 619. Dindigul Dist.

Submitted for the Viva-voce Examination held on

Ms.K.SUSMITHA M.Sc (cs)., M.Phil (cs)., ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN **ODDANCHATRAM-624 619** 

#### CERTIFICATE

This is to certify that the project entitled "SKIN CANCER DETECTION USING MATLAB" is a record of work carried out by the candidate L.SIVABANU, Reg.No:194926ER018 in partial fulfillment of the requirement for the award of the degree of Master of Science in Computer Science Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

Research Department of Computer Spience Sakthi College of Arts and Science for Saktin College of Arts and Schen-Sakthi Nagar, Palakkanoro 2000

Oddanchatram 628019. Dindigut Dist

Sakthi Nagar, Palakkanuth Oddanchatram, Dindigul Dist - 02-

Submitted for the Viva-voce Examination held on

## DEPARTMENT OF INFORMATION TECHNOLOGY

Mrs.S.KAVITHA, M.Sc., M.Phil., (Ph.D)., ASSISTANT PROFESSOR & HEAD DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

## CERTIFICATE

This is to certify that the project entitled "EFFICIENT PARALLEL APPROACH FOR SCLERA VEIN RECOGNITION" is a record of work carried out by the candidate S.LAKSHMI, Reg.No:194929ER001 in partial fulfillment of the requirement for the award of the degree of Master of Science in Information Technology, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

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Research Department of Computer Science

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Sakthi Nagar, Palakkanuthu (Po),

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PRINCIPAL

Dindigul Dist.

Submitted for the Viva-voce Examination held on 33.04.202

Mrs.S.KAVITHA, M.Sc., M.Phil., (Ph.D)., ASSISTANT PROFESSOR & HEAD DEPARTMENT OF COMPUTER SCIENCE SAKTHI COLLEGE OF ARTS AND SCIENCE FOR WOMEN ODDANCHATRAM-624 619

#### CERTIFICATE

This is to certify that the project entitled "EFFICIENT PARALLEL APPROACH FOR SCLERA VEIN RECOGNITION" is a record of work carried out by the candidate S.LAKSHMI, Reg.No:194929ER001 in partial fulfillment of the requirement for the award of the degree of Master of Science in Information Technology, Sakthi College of Arts and Science for Women, Oddanchatram during the year 2020-2021 under my guidance. The Project 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 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.

RESEARCH GUIDE

Research Department of Computer Science

Sakthi Nagar, Palakkanuthu 1701, Oddanchatram - 624 619.

Dindigul Dist.

PRINCIPAL Saxthi College of Arts and Science or Anaca, Sakthi College of Arts and Science for Worman Sakthi Nagar, Palakkanuthu (Po), Oddanchatram, Dindigul Dist - 624 619.

Submitted for the Viva-voce Examination held on