



**ARIGNAR ANNA GOVERNMENT ARTS COLLEGE
NAMAKKAL – 637 002**

(Re-Accredited with 'B' Grade by NAAC & Affiliated to Periyar University, Salem)

CRITERION I

1. CURRICULAR ASPECTS

1.3 CURRICULUM ENRICHMENT

**1.3.2 Number of students undertaking
project work/field work/internship**

2021-2022

நெறியாளர் சான்றிதழ்

முனைவர் ச.அன்பரசன்,எம்.ஏ.,எம்.எட்.,எம்.பில்.,பிஎச்.டி.,

உதவிப்பேராசிரியர்,

தமிழ்த்துறை

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,

நாமக்கல் 637002.

த.பூபதி (பதிவெண் :20PTA1530) அவர்களால் “கொல்லிமலை ஜப்பான் புதூர் பாலப்பட்டிப் பழங்குடி இன மக்களின் வாழ்வியல் மீட்டுருவாக்கம்” என்னும் தலைப்பில் அளிக்கப் பெற்றுள்ள இந்த ஆய்வேடு, பெரியார் பல்கலைக்கழகத் தமிழ் முதுகலைப் பட்டப்பேற்றிற்காக நாமக்கல் அறிஞர் அண்ணா அரசு கலைக்கல்லூரித் தமிழ்த்துறையில் 2021-2022ஆம் கல்வியாண்டில் என் நெறிகாட்டுதலின்கீழ் ஆய்வு நிகழ்த்தி எழுதப் பெற்றதாகும். இந்த ஆய்வேடு ஆய்வாளரால் தன்னிச்சையாக உருவாக்கப் பெற்றது என்றும் இதற்குமுன் வேறு எந்தப் பட்டத்திற்காகவும், எந்தப் பல்கலைக்கழகத்திற்கும் வழங்கப் பெறவில்லை என்றும் சான்றளிக்கிறேன்.

இடம் : நாமக்கல்

நாள் : 13.05.2022



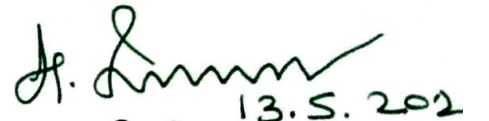
தமிழ்த்துறைத்தலைவர்

முனைவர் மு. நடராஜன்

தமிழ்த்துறைத் தலைவர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002



நெறியாளர்

Dr.S. ANBARASAN, M.A., M.Ed., M.Phil., Ph.D.,
ASSISTANT PROFESSOR
DEPARTMENT OF TAMIL
ARIGNAR ANNA GOVT. ARTS COLLEGE
NAMAKKAL - 637 002. T.N.

நெறியாளர் சான்றிதழ்


முனைவர் பி.இன்னமுது எம்.ஏ., எம்ஃபில், பிஎச்.டி,

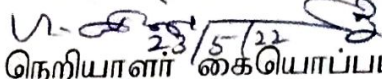
தமிழ் உதவிப் பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002.

“மொரங்கம் கம்பத்து மாரியம்மன் வரலாறும் வழிபாடும்” என்னும் தலைப்பில் அமைந்த இந்த ஆய்வேடு முதுகலைப் பட்டம் பெறுவதற்காக எனது மேற்பார்வையில் மு.பூபதிராஜா (பதிவு எண் :20PTA1531) அவர்களால் உருவானதாகும். இவ்வாய்வேடு இவரது சொந்த முயற்சியால் உருவானது என்றும் வேறு எந்த ஆராய்ச்சிக்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.


துறைத்தலைவர் கையொப்பம்
முனைவர் மு. நடராஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002


நெறியாளர் கையொப்பம்
முனைவர் பி. இன்னமுது
உதவிப் பேராசிரியர்,
தமிழ்த்துறை,
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
நாமக்கல்-637 002.

இடம் : நாமக்கல்

நாள் : 23/05/2022

நெறியாளர் சான்றிதழ்

முனைவர் பி.கந்தசாமி எம்.ஏ., எம்ஃபில், பி.எச்.டி,

தமிழ் உதவிப் பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002.

“நாயக்கர் சமூகத்தில் நடுகல் வழிபாடு” என்னும் தலைப்பில் அமைந்த இந்த ஆய்வேடு முதுகலைப் பட்டம் பெறுவதற்காக எனது மேற்பார்வையில் பதினேஷ் (பதிவு எண் :20PTA1532) அவர்களால் உருவானதாகும். இவ்வாய்வேடு இவரது சொந்த முயற்சியால் உருவானது என்றும் வேறு எந்த ஆராய்ச்சிக்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.



துறைத்தலைவர் கையொப்பம்

முனைவர் மு. நடராஜன்

தமிழ்நாடு தலைவர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002


23.05.22
நெறியாளர் கையொப்பம்

முனைவர் பி. கந்தசாமி, எம்.ஏ., எம்ஃபில், பி.எச்.டி.,
உதவிப் பேராசிரியர், தமிழ்நாடு தலைவர்,
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
நாமக்கல் - 637 002.

இடம் : நாமக்கல்

நாள் :

நெறியாளர் சான்றிதழ்

முனைவர் பி.எழிலரசி, எம்.ஏ., எம்ஃபில், பிஎச்.டி,

தமிழ் உதவிப் பேராசிரியர்

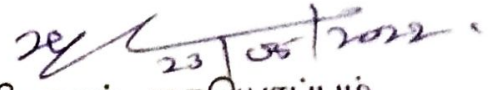
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002.

“குலதெய்வ வழிபாடு அய்யர்மலை அருள்மிகு இரத்தினகிரீஸ்வரர்”

என்னும் தலைப்பில் அமைந்த இந்த ஆய்வேடு முதுகலைப் பட்டம் பெறுவதற்காக எனது மேற்பார்வையில் சொ.கௌதம் (பதிவு எண் : 20PTA1533) அவர்களால் உருவானதாகும். இவ்வாய் வேடு இவரது சொந்த முயற்சியால் உருவானது என்றும் வேறு எந்த ஆராய்ச்சிக்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.


துறைத்தலைவர் கையொப்பம்
முனைவர் மு. நபாஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002


நெறியாளர் கையொப்பம்
முனைவர் பி. எழிலரசி
தமிழ் உதவிப் பேராசிரியர்,
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
நாமக்கல்-637 002.

இடம் : நாமக்கல்

நாள் : 23/05/2022


நெறியாளர் சான்றிதழ்

முனைவர் து. இரவிக்குமார் எம்.ஏ., எம்.ஃபில், பிஎச்.டி, டிசிஏ, சிஜிடி
தமிழ் உதவிப் பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002.

“வன்னியப் பிறப்பு நாடகம் ஓர் ஆய்வு” என்னும் தலைப்பில் அமைந்த
இந்த ஆய்வேடு முதுகலைப் பட்டம் பெறுவதற்காக எனது மேற்பார்வையில்
ப.நவீன்குமார் (பதிவு எண் : 20PTA1535) அவர்களால் உருவானதாகும்.
இவ்வாய்வேடு இவரது சொந்த முயற்சியால் உருவானது என்றும் வேறு எந்த
ஆராய்ச்சிக்கும் இவ்வாய்வேடு அளிக்கப்பெறவில்லை என்றும்
சான்றளிக்கிறேன்.


துறைத்தலைவர் கையொப்பம்
முனைவர் மு. நடராஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002


நெறியாளர் கையொப்பம்
முனைவர். து. இரவிக்குமார்
தமிழ் உதவிப் பேராசிரியர்,
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
நாமக்கல் - 637 002.

இடம் : நாமக்கல்

நாள் : 13.05.2022

முனைவர் ப. நல்லுசாமி

உதவிப் பேராசிரியர்

தமிழ்த்துறை

அறிஞர் அண்ணா அரசு கலைக் கல்லூரி

நாமக்கல் 637 002.

சான்றிதழ்

தருமபுரி மாவட்டத் தாலாட்டுப் பாடல்கள் என்னும் தலைப்பிலான இவ்வாய்வேடு மா. பூர்ணிமா அவர்களால் இக்கல்லூரியின் தமிழ்த்துறையில் 2021-2022ஆம் கல்வியாண்டில் முதுகலைப் (எம்.ஏ.) பட்டத்திற்காக என்னுடைய மேற்பார்வையில் செய்தளித்துள்ளார். இவர் ஆய்வில் குறிப்பிட்டுள்ள முடிவுகள் இவருடைய தனித்த முயற்சியினால் மேற்கொள்ளப்பட்டவை எனச் சான்றளிக்கிறேன்.

நாமக்கல்

20.05.2022



நெறியாளர்

முனைவர் ப. நல்லுசாமி
தமிழ் உதவிப்பேராசிரியர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் 637 002.



துறைத்தலைவர்
முனைவர் மு. நடராஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002

நெறியாளர் சான்றிதழ்

முனைவர் ப. நல்லுசாமி

உதவிப் பேராசிரியர்

தமிழ்த்துறை

அறிஞர் அண்ணா அரசு கலைக் கல்லூரி

நாமக்கல் 637 002.

நாமக்கல் மாவட்டக் கூத்துக் கலைச்சொற்கள் என்னும் தலைப்பிலான இவ்வாய்வேடு ச.சுரேந்திரன் அவர்களால் இக்கல்லூரியின் தமிழ்த்துறையில் 2021-2022ஆம் கல்வியாண்டில் முதுகலைத் தமிழ்ப் (எம்.ஏ.) பட்டத்திற்காக என்னுடைய மேற்பார்வையில் ஆய்வு செய்தளித்துள்ளார். இவர் ஆய்வில் குறிப்பிட்டுள்ள முடிவுகள் இவருடைய தனித்த முயற்சியினால் மேற்கொள்ளப்பட்டவை எனச் சான்றளிக்கிறேன்.



துறைத்தலைவர்

முனைவர் மு. நடராஜன்

தமிழ்த்துறைத் தலைவர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002



நெறியாளர்

முனைவர் ப. நல்லுசாமி

தமிழ் உதவிப்பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் 637 002.

.20.05.2022

நாமக்கல்

முனைவர் மு.நடராஜன்

உதவிப் பேராசிரியர் மற்றும் தலைவர்

தமிழ்த்துறை

அறிஞர் அண்ணா அரசு கலைக் கல்லூரி

நாமக்கல் 637 002.

சான்றிதழ்

மணியனார் - மோளியப்பள்ளி அண்ணன்மார் சுவாமிகளின் வரலாறும் வழிபாடும் என்னும் தலைப்பிலான இத்திட்டக்கட்டுரை கு.பிரதீபா இக்கல்லூரியின் தமிழ்த்துறையில் 2020-2022ஆம் கல்வியாண்டில் முதுகலைத் தமிழ் இலக்கியம் (எம்.ஏ.) பட்டத்தின் ஒரு பகுதியாக என்னுடைய மேற்பார்வையில் செய்தளித்துள்ளார். இவர் ஆய்வில் குறிப்பிட்டுள்ள முடிவுகள் இவருடைய தனித்த முயற்சியினால் மேற்கொள்ளப்பட்டவை எனச் சான்றளிக்கிறேன்.

நாமக்கல்

செ.பெருமாள்
நெறியாளர்

செ.பெருமாள்
துறைத்தலைவர்

முனைவர் மு.நடராஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002

நெறியாளர் சான்றிதழ்

முனைவர் அ.சின்னதுரை, எம்.ஏ.,எம்ஃபில்,பிஎச்.டி,

தமிழ் உதவிப் பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி


நாமக்கல் - 637 002.

“வீரமாத்தி அம்மன் வழிபாடு” என்ற தலைப்பில் அமைந்த மு.பிரேமா (20PTA1539) அவர்களால் அறிஞர் அண்ணா அரசு கலைக்கல்லூரித் தமிழ்த்துறையில் 2020 - 2022ஆம் கல்வியாண்டில் என் மேற்பார்வையில் முதுகலைத்தமிழ் (MA) பட்டத்திற்காக அளிக்கப்படும், இவ்வாய்வேடு அவரின் முயற்சியால் உருவானது என்றும் இதற்கு முன் இத்திட்டக் கட்டுரைக் குறித்து எந்தப் பல்கலைக் கழகத்திலும் எந்த ஆய்வாளர்க்கும் எவ்வித ஆராய்ச்சிப் பட்டமும் வழங்கப்படவில்லையெனச் சான்றளிக்கிறேன்.

இடம் : நாமக்கல்

நாள் :


துறைத்தலைவர் கையொப்பம்
முனைவர் மு. நடராஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002


நெறியாளர் கையொப்பம்
முனைவர் அ. சின்னதுரை
தமிழ் உதவிப்பேராசிரியர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002.

நெறியாளர் சான்றிதழ்

முனைவர் கா.சந்திரசேகரன், எம்.ஏ., எம்.பி.லில், பிஎச்.டி.,

தமிழ் உதவிப் பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002.

“பாவண்ணனின் சிறுகதைகள்” என்னும் தலைப்பில் அமைந்த இந்த ஆய்வேடு முதுகலைப் பட்டம் பெறுவதற்காக எனது மேற்பார்வையில் ம.மஞ்சு (பதிவு எண் : 20PTA1540) அவர்களால் உருவானதாகும். இவ்வாய் வேடு இவரது சொந்த முயற்சியால் உருவானது என்றும் வேறு எந்த ஆராய்ச்சிக்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.

24/5/22
துறைத்தலைவர் கையொப்பம்
முனைவர் கு. நாராயணன்
தமிழ்த் துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
நாமக்கல் - 637 002

24/5
நெறியாளர் கையொப்பம்
Dr. K. CHANDRASEKHARAN, M.A., M.Phil., Ph.D.
ASST. PROFESSOR,
Dept. of Tamil
A.A. Govt. Arts College, Namakkal - 637012

இடம் : நாமக்கல்

நாள் :

நெறியாளர் சான்றிதழ்

முனைவர் க.பூபதி எம்.ஏ., எம்ஃபில், பிஎச்.டி.,


தமிழ் உதவிப் பேராசிரியர்

அறிஞர் அண்ணா அரசு கலைக்கல்லூரி

நாமக்கல் - 637 002.

“சீவக சிந்தாமணியில் மருத்துவம்” என்னும் தலைப்பில் அமைந்த இந்த ஆய்வேடு முதுகலைப் பட்டம் பெறுவதற்காக எனது மேற்பார்வையில் த.சுகுணா (பதிவு எண் :20PTA1541) அவர்களால் உருவானதாகும். இவ்வாய்வேடு இவரது சொந்த முயற்சியால் உருவானது என்றும் வேறு எந்த ஆராய்ச்சிக்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.


துறைத்தலைவர் கையொப்பம்
முனைவர் கு. நடராஜன்
தமிழ்த்துறைத் தலைவர்
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி
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நெறியாளர் கையொப்பம்
முனைவர். க. பூபதி, எம்.ஏ., எம்ஃபில்., பிஎச்.டி.,
உதவிப் பேராசிரியர், தமிழ்த்துறை,
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
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இடம் : நாமக்கல்

நாள் :

CERTIFICATE

This is to certify that the dissertation entitled "**CONJUGAL RELATIONSHIP IN ANITA DESAI'S *WHERE SHALL WE GO THIS SUMMER?***", submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **GOKUL PRASANTH.S** during the period 2020-2022 of his study under my supervision and guidance and the dissertation has not formed the basis for the award of any **DEGREE/diploma/ Associateship/ Fellowship** or other similar title to any candidate of any university.



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08/06/22
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Dr. B. Shyaldh

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This is to certify that the dissertation entitled “ **ARAVIND ADIGA’S
LAST MAN IN TOWER: A CRTIQUE OF GLOBALIZED MILIEU OF MUMBAI** ”,
submitted to the Periyar University, in partial fulfillment of the
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is a record of original research work done by **CHELLAKUTTI.R** during the
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Aravind Adiga
08/06/22
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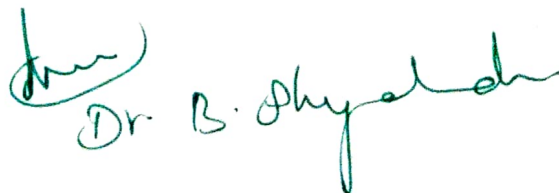
Ar. B. Shyama
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Ar. B. Shyama

CERTIFICATE

This is to certify that the dissertation entitled "**BREAKING THE SILENCE IS A KEY TO FEMININE IDENTITY IN SHASHI DESHPANDE'S NOVEL THAT LONG SILENCE**", submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **MOHAN.L** during the period 2020-2022 of his study under my supervision and guidance and the dissertation has not formed the basis for the award of any **DEGREE/diploma/ Associateship/ Fellowship** or other similar title to any candidate of any university.


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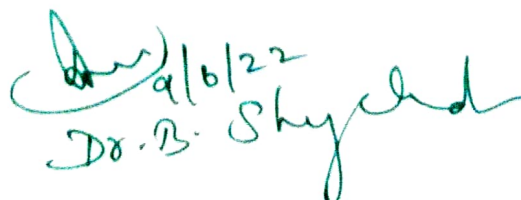

Dr. B. Shyama

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This is to certify that the dissertation entitled “**SECLUSION IN THE REMAINS OF THE DAY BY KAZUO ISHIGURO**”, submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **POOVARASAN.M** during the period 2020-2022 of his study under my supervision and guidance and the dissertation has not formed the basis for the award of any **DEGREE/diploma/ Associateship/ Fellowship** or other similar title to any candidate of any university.


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Dr. B. Shyama

CERTIFICATE

This is to certify that the dissertation entitled "**DYSTOPIA IN ROHINTON MISTRY'S FAMILY MATTERS**", submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **VIGNESH.N** during the period 2020-2022 of his study under my supervision and guidance and the dissertation has not formed the basis for the award of any DEGREE/diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Vignesh N
08/06/22
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Dr. B. Shyela
9/6/22
Dr. B. Shyela

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This is to certify that the dissertation entitled "**LOSS OF IDENTITY IN KIRAN DESAI'S THE INHERITANCE OF LOSS**", submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **ABITHA.K** during the period 2020-2022 of her study under my supervision and guidance and the dissertation has not formed the basis for the award of any DEGREE/diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.



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Dr. B. S. K. S. S.

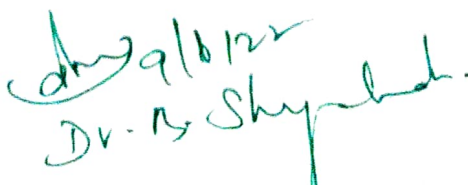
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This is to certify that the dissertation entitled "**RACIAL PREJUDICE REVEALED IN HARPER LEE'S *TO KILL A MOCKINGBIRD***", submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **HEMAPRABHA.R** during the period 2020-2022 of her study under my supervision and guidance and the dissertation has not formed the basis for the award of any DEGREE/diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.


09/06/22
HOD OF ENGLISH

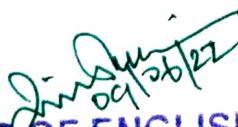
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Dr. S. KIRUBHAKARAN, M.A., M.Phil., Ph.D.,
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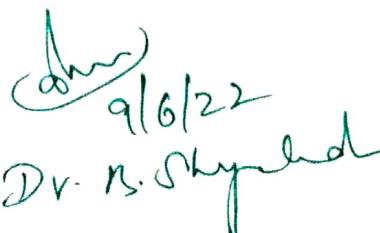

09/06/22
Dr. N. Shyambharani

CERTIFICATE

This is to certify that the dissertation entitled “**THE POWER OF DESTINY AND NATURE IN THAKAZHI SIVASANKARA PILLAI’S CHEMMEEN: AN ECO-CRITICAL STUDY**”, submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **POORANI.S** during the period 2020-2022 of her study under my supervision and guidance and the dissertation has not formed the basis for the award of any **DEGREE/diploma/ Associateship/ Fellowship** or other similar title to any candidate of any university.


09/26/22
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9/6/22
Dr. N. Shyama

CERTIFICATE

This is to certify that the dissertation entitled "**MOTHERHOOD AND INCOMPETENT MESSINESS OF TEARS OF THE FORGOTTEN DAUGHTER BY RENITA D'SILVA**", submitted to the Periyar University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF ARTS IN ENGLISH** is a record of original research work done by **RAGAPRIYA.S.G** during the period 2020-2022 of her study under my supervision and guidance and the dissertation has not formed the basis for the award of any DEGREE/diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.


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SUPERVISOR
Dr. S. KIRUBHAKARAN, M.A., B.Ed., M.Phil., Ph.D.,
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Dr. B. Shyama

CERTIFICATE

I, **Dr. M. MADHAVAN**, M.A., M.Phil., Ph.D., hereby declare that the Project work entitled, “**A STUDY ON CHALLENGES AND OPPORTUNITIES FACED BY TRUCK OWNERS IN NAMAKKAL DISTRICT**” is the bonofide project work carried out by **C. BALAMURUGAN** and submitted to the Department of Economics, Arignar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.

Signature of the Guide


Head of the Department, Ph.D.,
Dr. M. Kumaravelu
Associate Professor in Economics & Head
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2022/6/6/2022
External Examiner
Dr. S. PARVATHI,
Assistant Professor,
G & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.


Principal
PRINCIPAL,
Arignar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

I, **Dr. M.SENTHILKUMAR, M.A., M.Phil, Ph.D.**, hereby declare that the Project work entitled, **“A STUDY ON CUSTOMERS’ PERCEPTION TOWARDS MOBILE BANKING SERVICES WITH REFERENCE TO NAMAKKAL DISTRICT”** is the bonafide research work carried out By **D. GOKUL (20PEC1042)** submitted to the department of Economics, Aringnar Anna Government Arts College in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS IN ECONOMICS** during the period from 2020 to 2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associate ship, fellowship, or titles in this or any other University or other similar institutions of higher learning.



Signature of HOD -

சுறைத் தலைவர்,
முதுகலை & பொருளியல் ஆய்வுத்துறை
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.



Signature of the Guide

20/06/2022

External Examiner

Dr. S. PARVATHI,

Assistant Professor,

Research Department of Economics,
Kandaswami Kandar's College,
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Principal

PRINCIPAL,

Aringnar Anna Government
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CERTIFICATE

I, **Dr. T. MARICHAMY**, M.A., M.Phil., B.Ed., PGDCA., Ph.D., hereby declare that the Project work entitled, “**PROBLEMS AND PROSPECTS OF POWER LOOM UNITS IN NAMAKKAL DISTRICT**” is the bonofide project work carried out by **M. MITHRANESAN** and submitted to the Department of Economics, Arignar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period from 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.



Signature of the Guide



Head of the Department

குறைத் தலைவர்,

முதுகலை & பொருளியல் ஆய்வுத்துறை,
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.

External Examiner
Dr. S. PARVATHI,

Assistant Professor,

PG & Research Department of Economics,
Kandaswami Kandar's College,
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Principal
PRINCIPAL,

Arignar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

I, **Dr. V.SHANTHI**, M.A, M.Phil, Ph.D., hereby declare that the Project work entitled, “**A STUDY ON CONSUMER BEHAVIOUR TOWARDS FMCG PRODUCTS IN JEDARPALAYAM TOWN, NAMAKKAL DISTRICT**” is the bonofide project work carried out by **A.SARAVANAKUMAR** and submitted to the Department of Economics, Aringnar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.


Signature of the Guide


Head of the Department
முதுகலை & பொருளியல் ஆய்வுத்துறை,
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.


External Examiner
Dr. S. PARVATHI,
Assistant Professor,
P.G & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.


Principal
PRINCIPAL,
Aringnar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

I, **Dr.K.KUMAR**, M.A.,M.Phil.,Ph.D hereby declare that the Project work entitled, "A STUDY ON SOCIO-ECONOMIC CONDITIONS OF AGRICULTURAL WORKERS IN NAMAKKAL BLOCK" is the bonofide project work carried out by **V.SRINATH** and submitted to the Department of Economics, Arignar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.


Signature of the Guide
முனைவர். க. குமார், எம்.ஏ., எம்.பி.ல., பி.எச்.டி., எம்.பி.ஏ.
கொரவ விடுவரையாளர்.
பொருளியல் முதுகலை மற்றும் ஆய்வியல் துறை
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
நாமக்கல்.


Head of the Department
துறைத் தலைவர்,
முதுகலை & பொருளியல் ஆய்வுத்துறை,
அறிஞர் அண்ணா அரசு கலைக்கல்லூரி,
நாமக்கல் - 637 002.

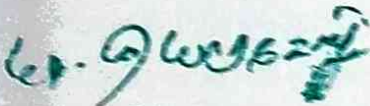

External Examiner
Dr. S. PARVATHI,
Assistant Professor,
P.G & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.


Principal
PRINCIPAL,
Arignar Anna Government
Arts College,
Namakkal - 637 001


CERTIFICATE

I, Dr. A. SAKTHIVEL, M.A, M.Phil, Ph.D., hereby declare that the Project work entitled, "A STUDY ON PRODUCTION AND MARKETING OF PINEAPPLE IN KOLLI HILLS IN NAMAKKAL DISTRICT" is the bonofide project work carried out by T. SUBRAMANI (20PEC1046) and submitted to the Department of Economics, Aringnar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.


Signature of the Guide


Head of the Department
குறைந்த தளவரை,
முதுகலை & பொருளியல் ஆய்வுத்துறை,
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.

2022 09 16/6/2022
External Examiner
Dr. S. PARVATHI,
Assistant Professor,
P.G & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.



Principal
PRINCIPAL,
Aringnar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

I, Dr. S.SIVACHANDRAN., M.A.,M.Phil., Ph.D., hereby declare that the Project work entitled, "A STUDY ON SOCIO ECONOMIC CONDITIONS OF TRANSGENDER IN NAMAKKAL TOWN" is the bonofideproject work carried out by S.SUGANTHAKUMAR RE.NO 20PEC1047 and submitted to the Department of Economics, Aringnar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of MASTER OF ARTS in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.


Head of the Department

சுற்றைத் தலைவர்,
முதுகலை & பொருளியல் ஆய்வுத்துறை
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 062.


Signature of the Guide


Principal
PRINCIPAL,
Aringnar Anna Government
Arts College,
Namakkal - 637 001

2022/6/16
External Examiner
Dr. S. PARVATHI,
Assistant Professor,
P.G & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.

CERTIFICATE

I, **Dr. R.PANNEERSELVAM**, M.A.,M.Phil.,Ph.D hereby declare that the Project work entitled, "A STUDY ON SOCIO ECONOMIC CONDITIONS OF WOMEN ENTREPRENEURS IN NAMAKKAL TOWN" is the bonofide project work carried out by **M. DIVYA** and submitted to the Department of Economics, Arignar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.

Signature of the Guide

Dr. R. PANNEERSELVAM, M.A., M.Phil., Ph.D, B.Ed, D.Co-op,
Assistant Professor
P.G. & Research Department of Economics,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

Head of the Department

குறைத் தலைவர்,
முதுகலை & பொருளியல் ஆய்வுத்துறை,
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.

Dr. S. PARVATHI

Assistant Professor,
P.G & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.

Principal

PRINCIPAL,
Arignar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

I, Mr. M.MAYAKKANNAN, M.A, M.PHIL, SET., hereby declare that the Project work entitled, "A STUYD ON TOURISM AND ECONOMIC DEVELOPMENT IN KOLLI HILLS" is the bonofide project work' carried out by M.KANAGA and submitted to the Department of Economics, Arignar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.


Signature of the Guide



Head of the Department
துறைத் தலைவர்,
முதுகலை & பொருளியல் ஆய்வுத்துறை,
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.

2022/6/6/2022
External Examiner

Dr. S. PARVATHI,
Assistant Professor,

UGC & Research Department of Economics,
Kandaswami Kandari's College,
P.Velur, Namakkal - 638 182.



Principal
PRINCIPAL.
Arignar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

I, **Dr.E.P. Vijayakumar Ph.D.**, hereby declare that the Project work entitled, “**SAVING PATTERN OF RURAL HOUSEHOLDS A STUDY IS NAMAKKAL BLOCK**” is the bonofide project work carried out by **S.SUGANYA** and submitted to the Department of Economics, Aringnar Anna Government Arts College, Namakkal in partial fulfillment of the requirements for the award of the Degree of **MASTER OF ARTS** in Economics during the period form 2020-2022 under my guidance and this work has not formed the basis for the award of any degree, diploma, associateship, fellowship, or titles in this or any other University or other similar institutions of higher learning.


Signature of the Guide


Head of the Department
குறைந்த தலைவா,
முதுகலை & பொருளியல் ஆய்வுத்திணை,
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.


External Examiner
Dr. S. PARVATHI,
Assistant Professor,
PG & Research Department of Economics,
Kandaswami Kandar's College,
P.Velur, Namakkal - 638 182.

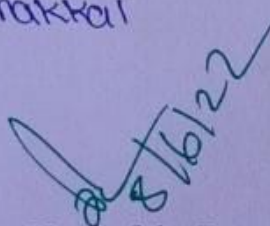

Principal
PRINCIPAL.
Aringnar Anna Government
Arts College,
Namakkal - 637 001

CERTIFICATE

This is to certify that the Project Report entitled **A Study on the Satisfaction Level of Consumer in Utilizing housing Finance with Special Reference to Namakkal Town** submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the degree of Master of Commerce is a record of bonafied project work carried out by **R.Balamurugan** under my supervision and guidance. No part of this project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

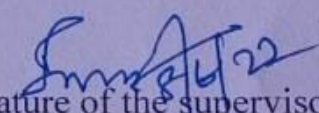
Date: 08.6.2022

Place: Namakkal


8/6/22

Signature of the Head of the Department

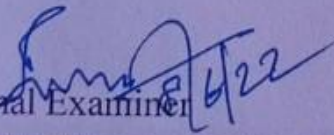
**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.**


8/6/22

Signature of the supervisor

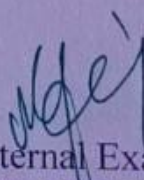
**Dr.K. KASILINGAM, M.Com.,M.Phil.,Ph.D.,
Asst. Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002.**

Date of Viva – voce Exam: 08.06.2022


8/6/22

Internal Examiner

**Dr.K. KASILINGAM, M.Com.,M.Phil.,Ph.D.,
Asst. Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002.**


8/6/22

External Examiner

**Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.**

CERTIFICATE

This is to certify that the Project Report entitled **A Study On Impact of Online Marketing In Consumer Electronics Goods – A Retailers perspective** submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the degree of Master of Commerce is a record of bonafied project work carried out by **S.Boopalan** under my supervision and guidance. No part of this project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

Date: 08 - 06 - 2022

Place: Namakkal

Signature of the Head of the Department

**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.**

Signature of the supervisor

**Dr.K. KASILINGAM, M.Com.,M.Phil.,Ph.D.,
Asst. Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002.**

Date of Viva -voce Exam: 08 - 06 - 2022

Internal Examiner

**Dr.K. KASILINGAM, M.Com.,M.Phil.,Ph.D.,
Asst. Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002.**

External Examiner

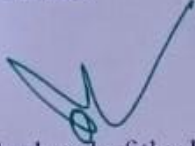
**Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.**

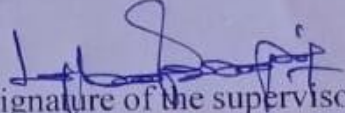
CERTIFICATE

This is to certify that the project report entitled "A Study on Consumer Satisfaction of Fast Food in NAMAKKAL Town" Submitted to the Periyar University, in partial fulfillment of the requirement for the award of the **Degree of Master of Commerce** is a record of bonafide project work carried out by **K.Boopathi**, under my supervision and guidance No part of this report work has been submitted for the award of any Degree, Diploma, Fellowship or other similar title or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

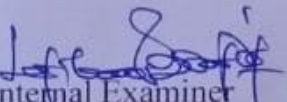
Date : 08-06-2022

Place : Namakkal


Signature of the head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.


Signature of the supervisor
Dr. M. MANIVANNAN, M.Com., M.Phil., Ph.D.,
Assistant Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

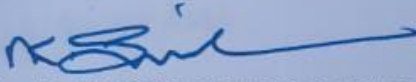
Date of the Viva - Voice Exam 08-06-2022


Internal Examiner
Dr. M. MANIVANNAN, M.Com., M.Phil., Ph.D.,
Assistant Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.


External Examiner
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

This is to certify that the Project Report entitled **CUSTOMER SATISFACTION TOWARDS OPPO MOBILES WITH SPECIAL REFERENCE TO NAMAKKAL TOWN** submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the degree of Master of Commerce is a record of bonafied project work carried out by **S.Ganesan** under my supervision and guidance. No part of this project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.



Dr. T. K. SENTHILKUMAR,
M.Com., M.Phil., MBA., Ph.D.,
Assistant Professor
Department Of Commerce
Research Guide/Supervisor



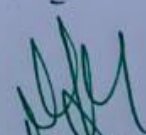
Dr. K. RAJKUMAR
M.com., MBA., Ph.D.,
Head of the Department of Commerce
**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.**

Date of Viva -voce Exam: **08-06-2022**



Internal Examiner

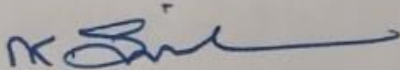
Dr. T. K. SENTHIL KUMAR
M.Com., M.Phil., MBA., Ph.D.,
Asst. Professor in Commerce,
Arignar Anna Govt. Arts College
Namakkal - 637 002



External Examiner
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Veitir (Namakkal) - 638182.

CERTIFICATE

This is to certify that the project report titled "A STUDY ON CUSTOMER SATISFACTION OF JIO NETWORK WITH SPECIAL REFERENCE TO NAMAKKAL" is a Bonafide record of the work carried out and submitted by R.KAVIN(Reg.No:20PCM1893) to the Department of commerce, School of Management studies and commerce, under ARIGNAR ANNA GOVT ARTS COLLEGE, NAMAKKAL in partial fulfillment of requirements for the award of the degree of Master of Commerce under the guidance of Dr. T.K.SENTHILKUMAR, M.Com., M.Phil., MBA., Ph.D., ASSISTANT PROFESSOR Department of Commerce.

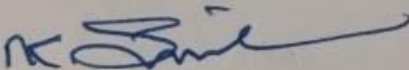


Dr. T. K. SENTHILKUMAR,
M.Com., M.Phil., MBA., Ph.D.,
Assistant Professor
Department Of Commerce
Research Guide/Supervisor

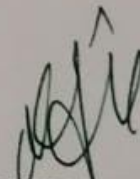


Dr. K. RAJKUMAR
M.com., MBA., Ph.D.,
Head of the Department of Commerce
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

Date of the Viva – Voce Exam: 08-06-2022



INTERNAL EXAMINER
Dr. T.K. SENTHIL KUMAR
M.Com., M.Phil., MBA., Ph.D.,
Asst. Professor in Commerce,
Arignar Anna Govt. Arts College
Namakkal - 627 002



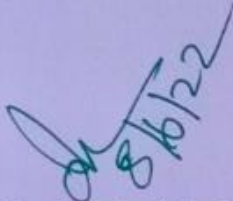
EXTERNAL EXAMINER
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

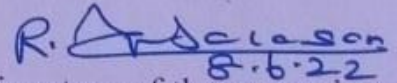
This is to certify that the Project Report entitled **A Study On The Consumer Satisfaction With Special Reference To TVS SCOOTY PEP In Namakkal Town** submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the degree of Master of Commerce is a record of bonafied project work carried out by **J.Manikandan** under my supervision and guidance. No part of this project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

Date: 08.06.2022

Place: NAMAKKAL

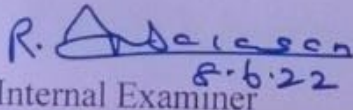

8/6/22

Signature of the Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

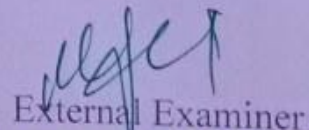

8.6.22

Signature of the supervisor
Dr. R. ANBALAGAN M.Com., M.Phil., B.Ed., Ph.D.,
Assistant Professor,
Department of Commerce,
Arignar Anna Govt. Arts College,
Namakkal-637 002.

Date of Viva - voce Exam: 8-6-2022


8.6.22

Internal Examiner
Dr. R. ANBALAGAN M.Com., M.Phil., B.Ed., Ph.D.,
Assistant Professor,
Department of Commerce,
Arignar Anna Govt. Arts College,
Namakkal-637 002.


8/6/22

External Examiner
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

This is to certify that the Project Report entitled **A Study On Retailers Opinion Towards SOMANY CERAMICS In Namakkal District** submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the degree of Master of Commerce is a record of bonafied project work carried out by **G.Mathiazhagan** under my supervision and guidance. No part of this project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

Date: 8.6.2022

Place: NAMAKKAL

Handwritten signature and date: 8/6/22

Signature of the Head of the Department
**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.**

Handwritten signature: R. Anbalagan
8-6-22
Signature of the supervisor
Dr. R. ANBALAGAN M.Com., M.Phil., B.Ed., Ph.D.,
Assistant Professor,
Department of Commerce,
Arignar Anna Govt. Arts College,
Namakkal-637 002.

Date of Viva – voce Exam: 8-6-2022

Handwritten signature: R. Anbalagan
8-6-22
Internal Examiner

Dr. R. ANBALAGAN M.Com., M.Phil., B.Ed., Ph.D.,
Assistant Professor,
Department of Commerce,
Arignar Anna Govt. Arts College,
Namakkal-637 002.

Handwritten signature: Dr. N. K. Shanmugam
External Examiner

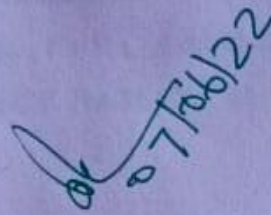
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

BONAFIDE CERTIFICATE

Certified that this project report titled "A STUDY ON CUSTOMER SATISFACTION TOWARDS SAKTHI MASALA PRODUCT IN NAMAKKAL DISTRICT" is the Bonafide work of J.NETHAJI (REGISTER NUMBER: 20PCM1896) who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

**PROJECT SUPERVISOR**

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

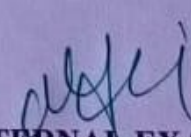
**ASSISTANT PROFESSOR AND HEAD**

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

Viva-Voce held on 08-06-2022.....

INTERNAL EXAMINER

Dr.K.RAJKUMAR, M.Com.,MBA.,Ph.D.
Assistant Professor & Head
PG & Research Department of Commerce
Arignar Anna Govt. Arts College
Namakkal - 637 002.


EXTERNAL EXAMINER

Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

BONAFIDE CERTIFICATE

Certified that this project report titled " A STUDY ON CONSUMER'S PREFERENCE OF HOUSEHOLD DURABLES IN NAMAKKAL" is the bonafide work of K.RAMKUMAR (Register number: 20PCM1897) who carried out the project under my supervision. Certified further that to the best of my knowledge the work reported here in does not from part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on his or any other candidate.

PLACE : Namakkal

DATE : 08-06-2022

07/06/2022

ASSISTANT PROFESSOR AND HEAD

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

Dr. K. Arunmuhil
08/06/22
SUPERVISOR

Dr.K. ARUNMUHIL, M.Com.,M.Phil.,Ph.D.
Asst Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002
Mob 99437 11344

Viva – voce held on *08.06.2022*

Dr. K. Arunmuhil
08/06/22
INTERNAL EXAMINER

Dr.K. ARUNMUHIL, M.Com.,M.Phil.,Ph.D.
Asst Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002
Mob 99437 11344

Dr. N. K. Shanmugam
EXTERNAL EXAMINER

Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

20PCM1898
A Study on Customer Satisfaction towards SOMANY cosmetics in Namakkal District

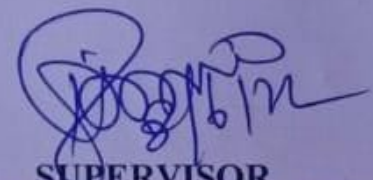
BONAFIDE CERTIFICATE

Certified that this project report titled "A STUDY ON CUSTOMER'S PREFERENCE ON BABY COSMETICS IN NAMAKKAL TOWN" is the bonafide work of Ms. S.GOPIKA (Register number: 20PCM1898) who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

8/16/22

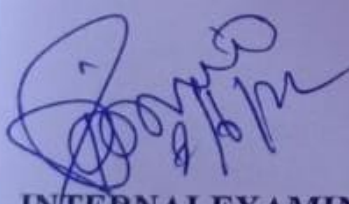
Signature of the Head of the Department

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.



SUPERVISOR
Dr. P. NAGARAJAN, M.Com., M.Phil., Ph.D.,
Assistant Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

Viva - voce held on



INTERNAL EXAMINER,
Dr. P. NAGARAJAN, M.Com., M.Phil., Ph.D.,
Assistant Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.



EXTERNAL EXAMINER
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

Certified that the project report entitled "A STUDY ON CUNSUMER SATISFACTION TOWARDS DIRECT TO HOME (DTH) IN MALLUR TOWN PANCHAYAT" is the partial fulfillment of the requirement for the award of the degree of Master of Commerce in the Periyar University, Salem, in a record of bonafide project work carried out by **T.POORANI (Register Number: 20PCM1903)** under my supervision and guidance. No part of this project work has been submitted for any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journal or magezines.

Date : 07 - 06 - 2022

Place : Namakkal

Dr. Ramu
07/06/2022
Signature of the Supervisor
Dr.B. RAMU, M.Com.,M.Phil.,Ph.D.,
Asst. Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

Dr. N.K. Shanmugam
07/06/2022
Signature of the Head of the Department

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

Dr. Ramu
08/06/2022
Internal Examiner
Dr.B. RAMU, M.Com.,M.Phil.,Ph.D.,
Asst. Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

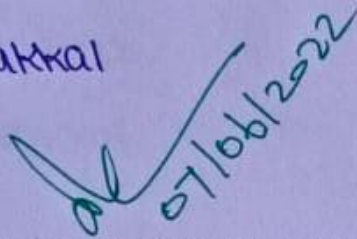
Dr. N.K. Shanmugam
External Examiner
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

This is to certify that the Project Report entitled **A study on Consumers Attitude towards Patanjali products in Namakkal Town** submitted to the Periyar University, Salem in partial fulfilment of the requirement for the award of the degree of Master of Commerce is a record of bonafied project work carried out by **M.SALINI** under my supervision and guidance. No part of this project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

Date: 08.6.2022

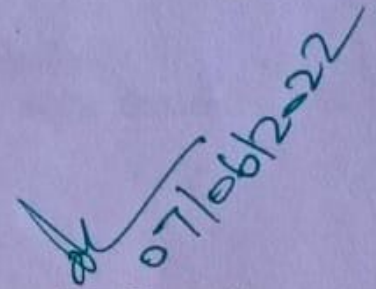
Place: Namakkal



07/06/2022

Signature of the Head of the Department

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.



07/06/2022

Signature of the Supervisor
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2

Date of Viva-Voce Exam: 08.6.2022

Internal Examiner

Dr.K.RAJKUMAR, M.Com.,MBA.,Ph.D.
Assistant Professor & Head
PG & Research Department of Commerce
Arignar Anna Govt. Arts College
Namakkal - 637 002.



External Examiner

Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

This to certify that the report entitled **A STUDY ON CONSUMER ATTRACTION TOWARDS SALES PROMOTION WITH SPICAL REFERENCE TO TOOTH PASTE IN MOHANUR TOWN** Submitted to the Periyar University, Salem in partial fulfilment of the requirement for the award of the degree of **MASTER OF COMMERCE** is a record of bonofied project work carried out by **A.SUBHASHINI (Reg No. 20PCM1907)** under my supervision and guidance. No part of the project report work has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines.

Data : 08. 06. 2022

Place: NAMAKKAL

Signature of the Head of the Department
**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.**

Date of viva- voce Exam: 08. 06. 2022

Signature of the supervisor
**Dr. P. NAGARAJAN, M.Com., M.Phil., Ph.D.,
Assistant Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.**

External Examiner

Internal Examiner
**Dr. P. NAGARAJAN, M.Com., M.Phil., Ph.D.,
Assistant Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.**

BONAFIDE CERTIFICATE

Certified that this project report titled " A STUDY ON CUSTOMER'S SATISFACTION TOWARDS SERVICES OF THE SELECTED BANKS IN NAMAKKAL TOWN " is the bonafide Work of N.SUBBULAKSHMI (Register number: 20PCM1906) who carried out the project under my supervision. Certified further that to the best of my knowledge the work reported here in does not from part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

07/06/22

ASSISTANT PROFESSOR AND HEAD

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - 2.

Dr. K. Arunmuhil
SUPERVISOR *8/6/22*

Dr.K. ARUNMUHIL, M.Com., M.Phil., Ph.D.,
Asst. Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002
Mob 99437 11344

Viva - voce held on *08...06...2022*

Dr. K. Arunmuhil
INTERNAL EXAMINER
08/06/22
Dr.K. ARUNMUHIL, M.Com., M.Phil., Ph.D.,
Asst. Professor of Commerce
A.A. Government Arts College
Namakkal - 637 002
Mob 99437 11344

Dr. N. K. Shanmugam
EXTERNAL EXAMINER
Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATE

This is certify that project report entitled "A STUDY ON CUSTOMER SATISFACATION TOWARDS TWO WHEELERS WITH SPECIAL REFERANCE TO MOHANUR TOWN" submitted to the Periyar University, Salem in Partial fulfillment of the requirement for the award of the degree of Master of commerce in the Periyar Unvercity, Salem, is a record of binafied project work carried out by G.YASOTHA, Reg.No:20PCM1908 under my supervision and guidance. No part of this project work has been submitted for the of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part of full in any scientific or popular journals or magazines.

Date: 07.06.2022

Place: Namakkal.

Dr. B. Ramu
07/06/2022

Signature of the supervisor
Dr.B. RAMU, M.Com.,M.Phil.,Ph.D.,
Asst. Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

Dr. B. Ramu
07/06/2022

Signature of the Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE,
ARIGNAR ANNA GOVT. ARTS
COLLEGE, NAMAKKAL - ?,

Dr. B. Ramu
08/06/2022

Internal Examiner


Dr.B. RAMU, M.Com.,M.Phil.,Ph.D.,
Asst. Professor in Commerce,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.

External Examiner


Dr. N. K. SHANMUGAM, Ph.D.,
Associate Professor & Head,
PG & Research Department of Commerce,
Kandaswami Kandar's College,
Velur (Namakkal) - 638182.

CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS MEESHIO ONLINE SHOPPING WITH REFERENCE TO NAMAKKAL" is a bonafide work carried out by G.AJITH (REG.NO: 19UBA1434) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.

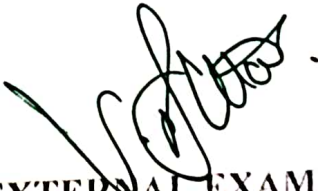

Guide Signature

DECLARATION


27/05/2022
HOD Signature

Project Work Evaluation Viva Examination Held On.....


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS MRF TYRES WITH SPECIAL REFERENCES TO NAMAKKAL TOWN" is a bonafide work carried out by A.ARUN (REG.NO: 19UBA1436) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature

DECLARATION


HOD Signature

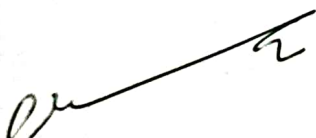
Project Work Evaluation Viva Examination Held On.....


INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE. Phd.,
Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

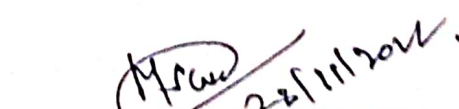
This to certify that the report entitled" CUSTOMER SATISFACTION TOWARDS SBI E-BANKING SERVICES WITH SPECIAL REFERENCE TO NAMAKKAL" City's a bonafide work carried out G.ARUNKUMAR (REG.NO: 19UBA1437) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On.....28.11.2022.....


INTERNAL EXAMINER


EXTERNAL EXAMINER

CERTIFICATION


This to certify that the report entitled "A STUDY ON THE IMPACT OF EMOTIONAL INTELLIGENCE OF STAFF NURSES SPECIAL REFERENCE TO HOSPITALS" is a bona fide work carried out by P.CHANDHRU (REG.NO: 19UBA1438) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On.....27-05-2022.....


INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410.
Tiruchengode Tk, Namakka. Dt.

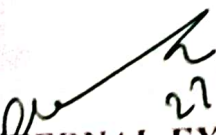
CERTIFICATION

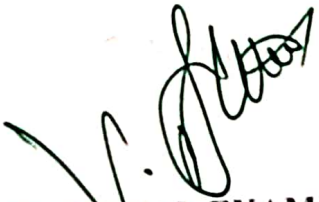
This to certify that the report entitled "A STUDY OF CUSTOMER SATISFACTION TOWARDS A THER V-CARE HAIR OIL IN NAMAKKAL TOWN" City's a bonafide work carried out T.DHINESH (REG.NO: 19UBA1441) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


27/05/2022
HOD Signature

Project Work Evaluation Viva Examination Held On... 27.05.2022


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE, Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal DL

CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ASHOK LEYLAND WITH SPECIAL REFERENCE TO NAMAKKAL" is a bonafide work carried out by V.DINESH (REG.NO: 19UBA1442) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


DECLARATION


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On.....⁷


INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE..Phd.,
Asst. Prof. In Management,
Kavitha's Collage of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS BAJAJ PULSAR NS 200 WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by S.GUNAL (REG.NO: 19UBA1445) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On..... ?


INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Phd.,
Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION


This to certify that the report entitled " CUSTOMER SATISFACTION TOWARDS SBI E-BANKING SERVICES WITH SPECIAL REFERENCE TO NAMAKKAL" City's a benafide work carried out A.KARTHICK (REG.NO: 19UBA1447) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature 27/05/2022

Project Work Evaluation Viva Examination Held On.....27.05.2022.....


INTERNAL EXAMINER 27/05/2022


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., P.hd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled is a bona fide work "ASTUDY ON CONSUMER BEHAVIOUR TOWARDS HAIR OILS WITHSPECIAL REFERENCE TO VVD COCONUT carried OILS" out by T. KAVIN (REG.NO: 19UBA1448) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature




HOD Signature

Project Work Evaluation Viva Examination Held On 27/5/2022



INTERNAL EXAMINER



EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Ph.d.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERITIFICATION

This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ONLINE FOOD DELIVERY WITH SPECIAL REFERENCE TO SWIGGY IN NAMAKKAL TOWN" is a bonafide work carried out by S.KIRUBAKARAN (REG.NO: 19UBA1449) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature



HOD Signature

Project Work Evaluation Viva Examination Held On.....28.11.22.....



INTERNAL EXAMINER



EXTERNAL EXAMINER

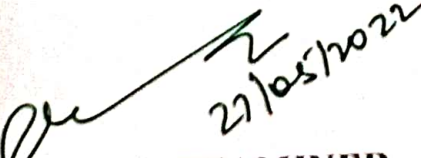
CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ONLINE SHOPPING WITH REFERENCE TO FLIPKART NAMAKKAL" is a bonafide work carried out by S.LOGESH (REG.NO: 19UBA1450) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature 22/05/2022

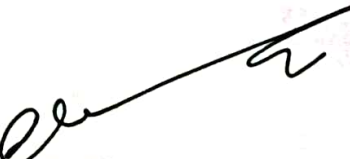
Project Work Evaluation Viva Examination Held On... 27.05.2022


INTERNAL EXAMINER 22/05/2022


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled "A STUDY ON PUBLIC PERCEPTION TOWARDS ORGANIC FOOD WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by G.MADHESWARAN (REG.NO: 19UBA1451) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.

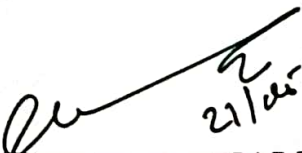


Guide Signature




HOD Signature

Project Work Evaluation Viva Examination Held On.....?



21/05/2022
INTERNAL EXAMINER



EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Ph.D.,
Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ROYAL ENFIELD WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by B.NAVEEN (REG.NO: 19UBA1452) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On 27.05.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE, Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

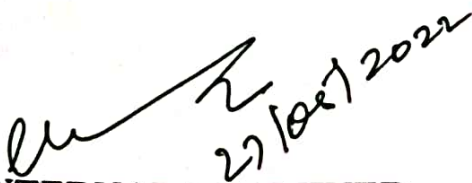
This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS MARUTI SWIFT CAR WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by M.PERUMAL (REG.NO: 19UBA1454) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


DECLARATION


Guide Signature


HOD Signature 22/05/2022

Project Work Evaluation Viva Examination Held On...27.05.2022.....


INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Ph.D.,
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VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled "A STUDY OF CUSTOMER SATISFACTION TOWARDS A THER V-CARE HAIR OIL IN SALEM TOWN" City's a bonafide work carried out P. PRABHU (REG.NO: 19UBA1455) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature



HOD Signature

Project Work Evaluation Viva Examination Held On.....22.05.2022.....



INTERNAL EXAMINER



EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
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VAIYAPPAMALAI - 637 410.
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION


This to certify that the report entitled is a bona fide work "A STUDY ON CONSUMER BEHAVIOUR TOWARDS HAIR OILS WITHSPECIAL REFERENCE TO PARACHUTE COCONUT carried OILS" out by G.PRAVEEN KUMAR (REG.NO: 19UBA1456) under my supervision and guidance during the academic year 2021 - 2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


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Project Work Evaluation Viva Examination Held On.....?


INTERNAL EXAMINER 27/05/2022


EXTERNAL EXAMINER

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Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410.
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled "A STUDY ON CUSTOMERS SATISFACTION TOWARDS VIVO MOBILE PHONE WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by V.PUGALENTHI (REG.NO: 19UBA1457) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


DECLARATION


Guide Signature


HOD Signature 27/05/2022

Project Work Evaluation Viva Examination Held On.....?


INTERNAL EXAMINER 27/05/2022


EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
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Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled "A STUDY ON CUSTOMER BEHAVIOUR TOWARDS MAGGI PRODUCT WITH REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by T.RAGU (REG.NO: 19UBA1458) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature



HOD Signature

Project Work Evaluation Viva Examination Held On.....[?].....



27/05/2022

INTERNAL EXAMINER



EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
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VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled "A STUDY ON CUSTOMERS SATISFACTION TOWARDS REDMI MOBILE PHONE WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by M.SABARINATHAN (REG.NO: 19UBA1459) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



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DECLARATION

Project Work Evaluation Viva Examination Held On 27.05.2022.....


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
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Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.


CERTIFICATION

This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS KTM BIKE WITH SPECIAL REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by **K.SANTHOSH (REG.NO: 19UBA1462)** under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


27/05/2022
Guide Signature


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Project Work Evaluation Viva Examination Held On.....


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled” A STUDY ON OPINION OF PARENTS IN VIEWING CARTOON CHANNEL AMONG THEIR CHILDREN WITH REFERENCE TO NAMAKKAL CITY” City’s a bonafide work carried out E. SENTHILKUMAR (REG. NO ; 19UBA1464) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.

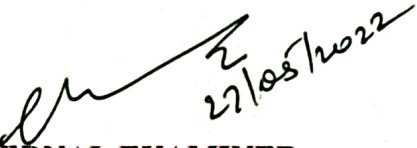


Guide Signature



HOD Signature

Project Work Evaluation Viva Examination Held On.....27-05-2022.....



INTERNAL EXAMINER



EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Pnd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 401,
Tiruchengode Tk, Namakkal Dt.


CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION OF AAVIN MILK WITH REFERENCE TO NAMAKKAL TOWN" is a bonafide work carried out by SIVASAKTHIR (REG.NO: 19UBA1467) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


27/05/2022
Guide Signature


27/05/2022
HOD Signature

Project Work Evaluation Viva Examination Held On...27.05.2022.....


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE. Phd.,
Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION


This to certify that the report entitled "A STUDY ON COUSTOMER SATISFACTION OF TOWARDS UDHAYA KRISHNA GHEE WITH SPACIAL REFERANCE TO NAMAKKAL TWON" City's a bonafide work carried B.SOUNDHRA PANDIYAN (REG.NO: 19UBA1468) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On.....27.05.2022.....


INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE.,Phd.,
Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION

This to certify that the report entitled “A STUDY ON CUSTOMER SATISFACTION ON MANGO MAIDA WITH SPECIAL REFERENCE TO NAMAKKAL TOWN” is a bonafide work carried out by **K.SRINIVASAN (REG.NO: 19UBA1469)** under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature



HOD Signature

Project Work Evaluation Viva Examination Held On ...27.05.2022.....



INTERNAL EXAMINER



EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE.,Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410.
Tiruchengode Tk, Namakkal Dt.


CERITIFICATION


This to certify that the report entitled "A STUDY ON PUBLIC SATISFACTION TOWARDS AMMA UNAVAGAM WITH SPECIAL REFERENCE TO NAMAKKAL" is a bonafide work carried out by P.THAMARAISELVAN (REG.NO: 19UBA1472) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


Guide Signature


HOD Signature

Project Work Evaluation Viva Examination Held On.....?


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., P.hd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

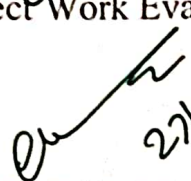
CERTIFICATION


This to certify that the report entitled "A STUDY OF CUSTOMER SATISFACTION TOWARDS A THER ELECTRIC SCOOTY IN NAMAKKAL TOWN" City's a bonafide work carried out M.THARUN (REG.NO: 19UBA1473) under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


27/05/2022
Guide Signature


27/05/2022
HOD Signature

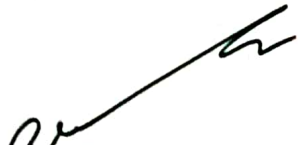
Project Work Evaluation Viva Examination Held On... 27.05.2022


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Ph.d.,
Asst. Prof. in Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410.
Tiruchengode Tk, Namakkal Dt.

CERTIFICATION


This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS YAMAHA R15 WITH REFERENCE TO NAMAKKAL" is a bonafide work carried out by P.VIGNESH (REG.NO: 19UBA1475) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.



Guide Signature

DECLARATION


HOD Signature

Project Work Evaluation Viva Examination Held On.....
2


INTERNAL EXAMINER


EXTERNAL EXAMINER

Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Phd.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.

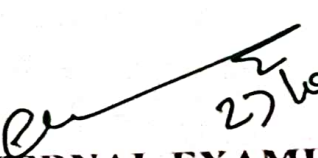
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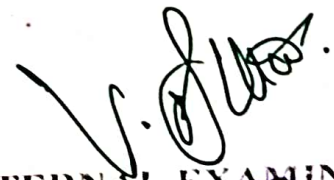
This to certify that the report entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS OPPO SMART MOBILE WITH REFERENCE TO NAMAKKAL" is a bonafide work carried out by M.UDHAYAKUMAR (REG.NO: 19UBA1474) under my supervision and guidance during the academic year 2021-2022 in the partial fulfilment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


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Guide Signature


27/05/2022
HOD Signature

Project Work Evaluation Viva Examination Held On.....29.05.2022.....


27/05/2022
INTERNAL EXAMINER


EXTERNAL EXAMINER
Dr. P. SENTHILKUMAR,
M.B.A., M. Com., M.Phil., MISTE., Ph.D.,
Asst. Prof. In Management,
Kavitha's College of Arts & Science,
VAIYAPPAMALAI - 637 410,
Tiruchengode Tk, Namakkal Dt.


CERTIFICATION

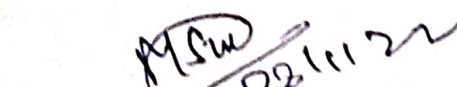
This to certify that the report entitled” **CUSTOMER SATISFACTION TOWARDS SBI E-BANKING SERVICES WITH SPECIAL REFERENCE TO NAMAKKAL**” City’s a bonafide work carried out **N.REHANAS (REG.NO: 18UBA1511)** under my supervision and guidance during the academic year 2021 – 2022 in the partial fulfillment of the requirements for the award of the **DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION** and the work is an original one and has not formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar title.


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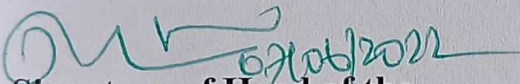
Project Work Evaluation Viva Examination Held On.....28.11.22


INTERNAL EXAMINER


EXTERNAL EXAMINER

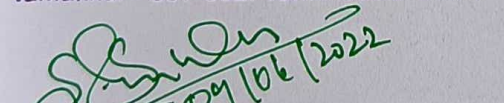
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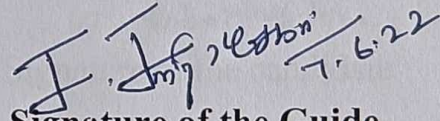
This is to certify that the dissertation entitled “**INTRODUCTION ON CRYPTOGRAPHY**” submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University, Salem is a record of bonafide project carried out by **G.ANBAZHAGAN[Reg.No.20PMA2667]** under the supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.


Signature of Head of the

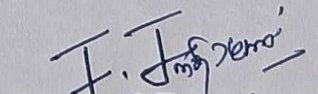
Department

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.;
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Namakkal - 637 002. Tamil Nadu. India


External Examiner
(Dr. Shanmugasundaram)


Signature of the Guide

Dr. S. CHANDRASEKAR, M.Sc., M.Phil., Ph.D.,
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Department of Mathematics
Arignar Anna Govt. Arts College
Namakkal - 637 002

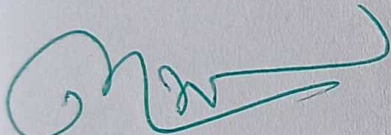

Internal Examiner

Date: 09.06.2022

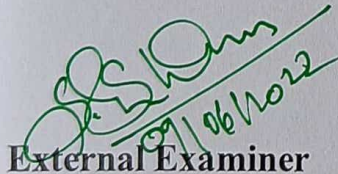
Place: NAMAKKAL

CERTIFICATE

This is to certify that the dissertation entitled “**IRREGULAR INTUITIONISTIC FUZZY GRAPHS**” submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University, Salem is a record of bonafide project carried out by **M.CHANDRU(Reg.No:20PMA2668)** under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.

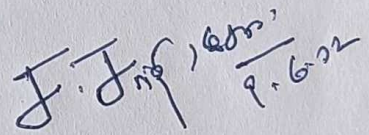


Signature of Head of the Department
Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor & Head,
PG & Research Department of Mathematics,
Arignar Anna Government Arts College,
Namakkal - 637 002. Tamil Nadu. India

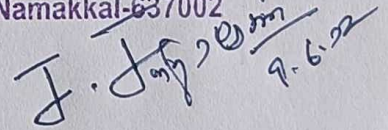


External Examiner

Dr. Shanmugan



Signature of the Guide
Dr. S. CHANDRASEKAR,
M.Sc., M.Phil., Ph.D., PGDCA.
Assistant Professor,
PG & Research Department Of Mat. 91
Arignar Anna Government Arts C.
Namakkal-637002



Internal Examiner

Date: 09.06.22

Place: NAMAKKAL

PG & R.D.

CERTIFICATE

This is to certify that this project report entitled “ **SOME STUDY ABOUT DIRECTED GRAPH**” submitted in partial fulfillment of the requirements for the award of the degree of **Master of Science in Mathematics** by Periyar University is a record of Bonafied research work carried out by **S.DEEPANKUMAR [20PMA2669]** under my guidance and that no part of this project report has been submitted for the award of any other Degree/Diploma/Fellowship or other similar title and that the work has not been published in part or full in any magazine/journal.

Place: Namakkal

Date: 09/06/2022

Signature of the Guide

Dr. P. SUNDARARAJAN, Ph.D.,
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Department of Mathematics
ARIGNAR ANNA GOVT.ARTS COLLEGE
NAMAKKAL - 637 002

Internal Examiner

EXI-

(Dr. S. Shanmugasundaram)


Head of the Department

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Namakkal - 637 002. Tamil Nadu. India

int
External Examiner

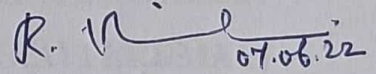
CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON QUASI-NORMAL OPERATORS ON HILBERT SPACE" submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University, Salem is a record of bonafide project carried out **V.DURAI PERUMAL(Reg.No:20PMA2670)** under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.



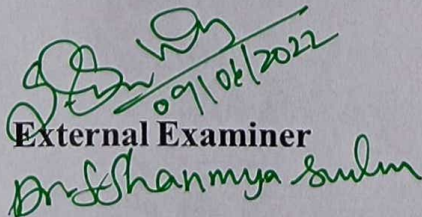
**Signature of the
Head of Department**

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor & Head,
PG & Research Department of Mathematics,
Arignar Anna Government Arts College,
Namakkal - 637 002. Tamil Nadu. India



**Signature of the
Guide**

Dr. R. VIJAYALAKSHMI M.Sc., M.Phil., Ph.D.,
Assistant Professor
Department of Mathematics
Arignar Anna Govt. Arts College
Namakkal - 637002



External Examiner



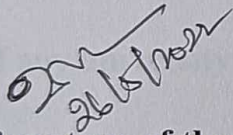
Internal Examiner

DATE: 09.06.2022

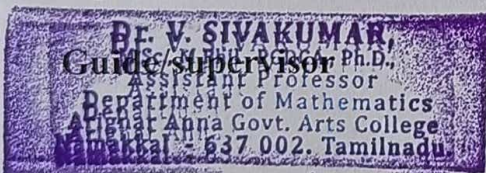
PLACE: NAMAKKAL

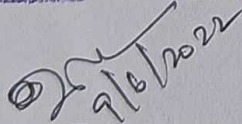
CERTIFICATE

This is to certify that the project entitled “ON EXTENSION OF REGULAR GRAPHS” submitted in partial fulfilment of the requirement of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the PERIYAR UNIVERSITY, Salem is a record bonafide project work carried out by S.ELAVARASAN (Reg. No. 20PMA2671) under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar title so far.

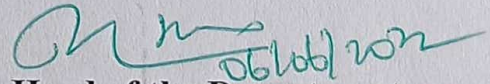

26/6/2022

Signature of the





9/6/2022

Internal Examiner


06/06/2022

Head of the Department

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA, Ph.D.,
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9/6/2022
External Examiner
(Dr. Shanmuga Sivalingam)

Place: Namakkal

Date: 9/06/2022

CERTIFICATE

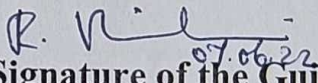
This is to certify that the dissertation entitled “ A STUDY ON NONLINEAR PARTIAL DIFFERENTIAL EQUATION WITH SOLUTIONS AND THEIR PROPERTIES” submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University , Salem is a record of bonafide project carried out by **G.GNANASEKAR(Reg.No:20PMA2672)** under the supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.


**Signature of Head of the
Department**

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
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External Examiner

Dr. Shanmug Sundam.


Signature of the Guide

Dr. R. VIJAYALAKSHMI M.Sc., M.Phil., Ph.D.,
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Arignar Anna Govt. Arts College
Namakkal - 637002

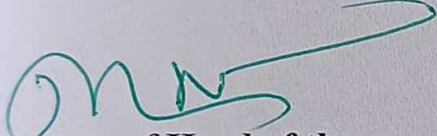

Internal Examiner

Date: 09.06.2022

Place: NAMAKKAL

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON TRIPLE CONNECTED COMPLEMENTARY TREE DOMINATION NUMBER OF A GRAPH" submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University, Salem is a record of bonafide project carried out by **M.GOPINATH(Reg.No:20PMA2673)** under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.


Signature of Head of the

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External Examiner

Dr. Shanmuga Sundaram


Signature of the Guide

Dr. S. CHANDRASEKAR,
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Namakkal-637002

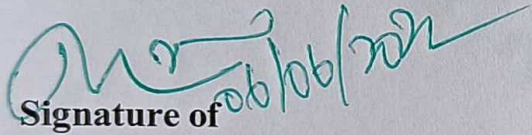

Internal Examiner

Date: 09.06.2022.

Place: NAMAKKAL

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON DUAL GRAPHS" submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University, Salem is a record of bonafied project work carried out by **K.HARIPRASATH (Reg.No:20PMA2674)** under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.

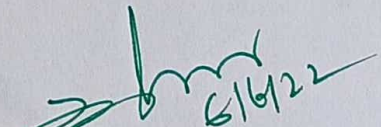

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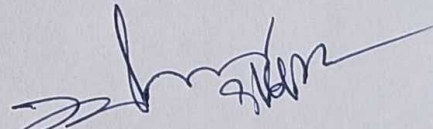
Head of the Department

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA, Ph.D.,
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Internal Examiner

Date:

Place: NAMAKKAL

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON MATRIX REPRESENTATION OF A GRAPH" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem is a record of bonafide project work carried out by V.MANIKANDAN (Reg.No:20PMA2676) under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.

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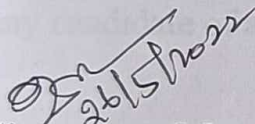
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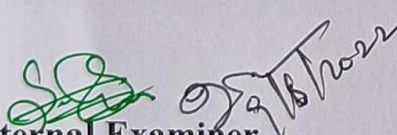
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DECLARATION

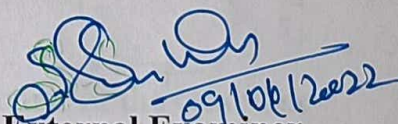
This is to certify that the project entitled “**GRACEFUL LABELING OF SOME GRAPHS**” submitted in partial fulfilment of the requirement of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the **PERIYAR UNIVERSITY**, Salem is a record bonafide project work carried out by **P.MANIKANDAN (Reg. No. 20PMA2675)** under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar title so far.


Signature of the




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Head of the Department
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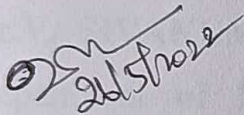

External Examiner
09/06/2022
Dr. S. Shanmugam

Place: Namakkal

Date: 09.06.2022

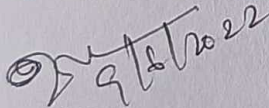
CERTIFICATE

This is to certify that the project entitled "GRAPH THEORY: KURATOWSKIS THEOREM ON PLANAR GRAPHS" submitted in partial fulfillment of the requirement of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the PERIYAR UNIVERSITY, Salem is a record bonafide project work carried out by S.MUTHUKUMAR (Reg.No.20PMA2677) under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar title so far.



Signature of the





Internal Examiner



Head of the Department

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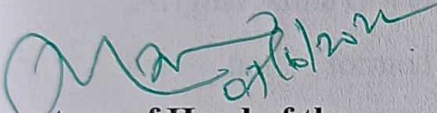
External Examiner

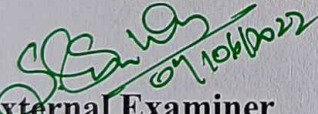
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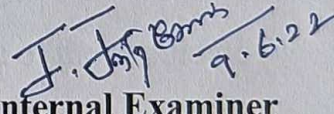
CERTIFICATE

This is to certify that the dissertation entitled " A STUDY ON FUZZY TOPOLOGICAL SPACES" submitted in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** to the Periyar University , Salem is a record of bonafide project carried out by **S.SASHEETH(Reg.No:20PMA2679)** under the supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.


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Namakkal - 637 002. Tamil Nadu. India


External Examiner
Dr. S. Shanmugam


Signature of the Guide
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Namakkal - 637 002


Internal Examiner

Date: 09/06/2022
Place: NAMAKKAL

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This is to certify that the dissertation entitled "COLOURING FUZZY GRAPH AND TRAFFIC LIGHT PROBLEM" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem is a record of bonafide project work carried out by S.SELVARAJ (Reg.No:20PMA2680) under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.



Signature of the

Head of the Department

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Namakkal - 637 002, Tamil Nadu, India


External Examiner

Dr. S. Shanny Sankaran


Signature of the Guide, Ph.D.,
Dr. T. J. RAGHUPATHI, Ph.D.,
Asst. Professor of Mathematics,
Arignar Anna Govt. Arts College,
NAMAKKAL - 637 002.

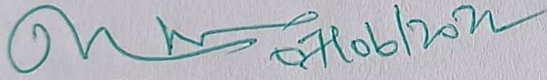

Internal Examiner

Date:

Place: NAMAKKAL

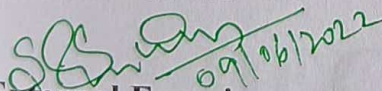
CERTIFICATE

This is to certify that the project entitled "APPLICATIONS OF FOURIER TRANSFORM IN PARTIAL DIFFERENTIAL EQUATION" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem-11 is a bonafied Project work carried out by R.SUSEENTHAR, (Reg.No.20PMA2681) under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/ Fellowship or other similar title so far.



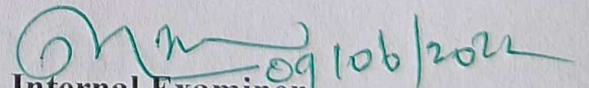
Signature of the Guide/ Head of the
Department

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor & Head,
PG & Research Department of Mathematics,
Arignar Anna Government Arts College,
Namakkal - 637 002, Tamil Nadu, India



External Examiner

Dr. S. Shanmuga Sundaram.



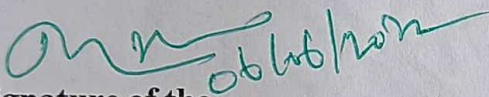
Internal Examiner

Date: 09.06.2022.

Place: NAMAKKAL

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON NEIGHBOURHOOD FUZZY GRAPH AND MATRICES OF A FUZZY GRAPH" submitted in partial fulfilment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem is a record of bonafide project work carried out by S.TAMILARASAN (Reg.No:20PMA2682) under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.

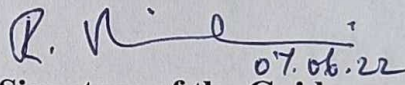

Signature of the

Head of the Department

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Namakkal - 637 002. Tamil Nadu. India


External Examiner

Dr. S. Shanny Sudum.


Signature of the Guide

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Assistant Professor
Department of Mathematics
Arignar Anna Govt. Arts College
Namakkal - 637002


Internal Examiner

Date: 09.06.2022

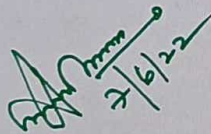
Place: NAMAKKAL

CERTIFICATE

This is to certify that this project report entitled "FOURIER INTEGRALS ON TEMPERATURE IN A SEMI -INFINITE SOLID" submitted in partial fulfillment of the requirements for the award of the degree of **Master of Science in Mathematics** by Periyar University is a record of Bonafied research work carried out by **SR THARUNPRANAV [20PMA2683]** under my guidance and that no part of this project report has been submitted for the award of any other Degree/Diploma/Fellowship or other similar title and that the work has not been published in part or full in any magazine/journal.

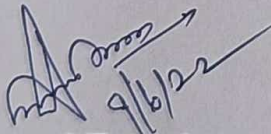
Place: Namakkal

Date: 09.06.2022



Signature of the Guide

Dr. P. SUNDARARAJAN, Ph.D.,
Asst. Professor, PG and Research
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ARIGNAR ANNA GOVT. ARTS COLLEGE
NAMAKKAL - 637 002

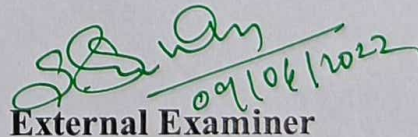


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Head of the Department

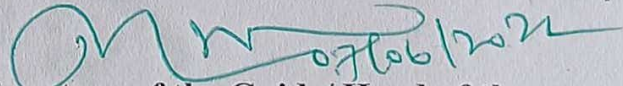
Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA, Ph.D.,
Assistant Professor & Head,
PG & Research Department of Mathematics,
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Namakkal - 637 002. Tamil Nadu. India



External Examiner

CERTIFICATE


This is to certify that the project entitled "COMMUTATIVE RING THEORY" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem-11 is a bonafied Project work carried out by T.THIVAKAR, (Reg.No.20PMA2684) under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/ Fellowship or other similar title so far.



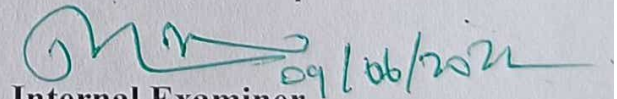
Signature of the Guide/ Head of the

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Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
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09/06/2022
External Examiner

(Dr. S. Shanmugasundaram)


09/06/2022
Internal Examiner

Date: 09-06-2022

Place: NAMAKKAL

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON MATCHING DOMINATION OF CARTESIAN PRODUCT OF TWO GRAPHS" submitted in partial fulfillment of the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem is a record of bonafide project work carried out by A.VENGATESH(Reg.No:20PMA2685) under my supervision and guidance and that no part of the dissertation has been submitted for award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.

Date: 09.06.2022

Place: NAMAKKAL



Signature of the

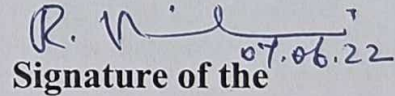
Head of the Department

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External Examiner

(Dr. Shanmugasundaram)



Signature of the

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Assistant Professor
Department of Mathematics
Arignar Anna Govt. Arts College
Namakkal - 637002



Internal Examiner

CERTIFICATE

This is to certify that the project entitled "A STUDY ON CIRCUIT AND CUTSET SUBSPACES OF A VECTOR SPACE" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS the Periyar University, Salem-11 is a bonafied Project work carried out by S.DURGADEVI, (Reg.No.20PMA2687) under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/ Fellowship or other similar title sofar.



Signature of the

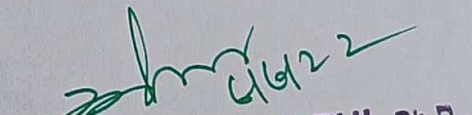
Head of the Department

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA, Ph.D.,
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External Examiner

(Dr. S. Shanmy. Sundaram)



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Asst. Professor of Mathematics,
Arignar Anna Govt. Arts College,
NAMAKKAL - 637 002.



Internal Examiner

Date: 09.06.2022

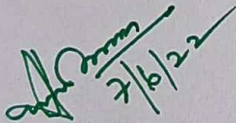
Place: NAMAKKAL

CERTIFICATE

This is to certify that this project report entitled "A STUDY ON MATHEMATICAL MODELING OF INFECTIOUS DISEASE" submitted in partial fulfillment of the requirements for the award of the degree of **Master of Science in Mathematics** by Periyar University is a record of Bonafied research work carried out by **D KALAISELVI [20PMA2688]** under my guidance and that no part of this project report has been submitted for the award of any other Degree/Diploma/Fellowship or other similar title and that the work has not been published in part or full in any magazine/journal.

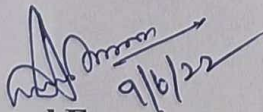
Place: Namakkal

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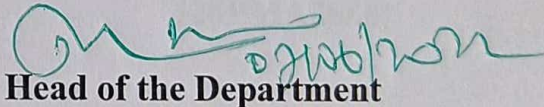


Signature of the Guide

Dr. P. SUNDARARAJAN, Ph.D.,
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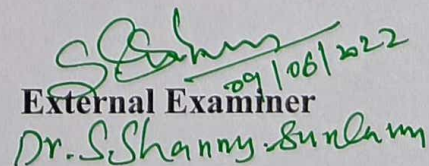


Internal Examiner



Head of the Department

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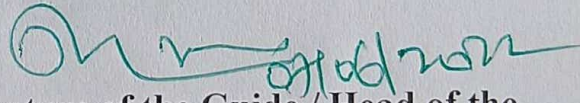


External Examiner

Dr. S. Shanny. Sunnam

CERTIFICATE

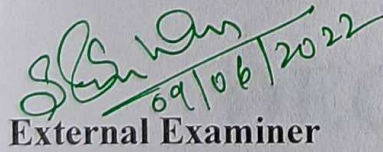
This is to certify that the project entitled "A STUDY ON CONSTRUCTIONS OF LINEAR CODES AND CYCLIC CODES" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University, Salem-11 is a bonafied Project work carried out by M.MAHADEVI, (Reg.No.20PMA2689) under my supervision and guidance and that no part of the project has been submitted for the award of any Degree/Diploma/Associateship/ Fellowship or other similar title so far.



Signature of the Guide / Head of the

Department

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor & Head,
PG & Research Department of Mathematics,
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External Examiner

(Dr. S. Shanmuga Sundaram)

Internal Examiner

Date: 09.06.2022

Place: NAMAKKAL

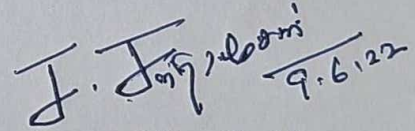
CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON PERFECT GRAPH" submitted in partial fulfillment of the requirement for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS to the Periyar University , Salem is a record of bonafide project carried out by L.PUSHPA(Reg.No:20PMA2690) under my supervision and guidance and that no part of the dissertation has been submitted for the award of any Degree/Diploma/Associateship/Fellowship or other similar titles or prizes and that the work has not been published in part or full any scientific or popular journals or magazines.



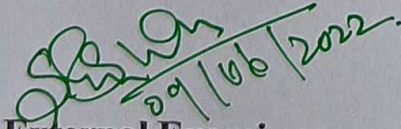
**Signature of Head of the
Department**

Dr. V. GANESAN, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor & Head,
PG & Research Department of Mathematics,
Arignar Anna Government Arts College,
Namakkal - 637 002. Tamil Nadu. India



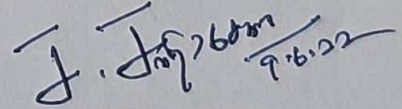
Signature of the Guide

Dr. S. CHANDRASEKAR,
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External Examiner

Dr. Shanmuga Subramanian



Internal Examiner

Date: 09.06.2022

Place: NAMAKKAL

CERTIFICATE

Certified that the thesis titled "SECOND VIRIAL COEFFICIENT OF HYDROGEN AND ITS ISOMERS BY A MODIFIED BERTHELOT EQUATION WITH CRITICAL VOLUME-CORRELATED COVOLUME" is a bonafide record of M.Sc(Physics) project work done by A.ABISHEK with university Register No: 20PPH1877 under the supervision of Dr.R.Balasubramanian, Assistant Professor, PG & Research Department of Physics, Arignar Anna Government Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfillment of the requirements for the award of the Degree of Master of Science in Physics.

A. abishek

Signature of the candidate

R. Balasubramanian

Signature of Research Guide

Dr. R. BALASUBRAMANIAN
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S. Bangaru
7/6/2022
Head of the Department

Dr. S. BANGARU, M.Sc., M.Phil., Ph.D.,
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CERTIFICATE

Certified that the dissertation titled “**INVESTIGATION ON Cr₂O₃-ZnO NANOCOMPOSITE AS A SUPERIOR ELECTRODE MATERIAL FOR SUPERCAPACITOR APPLICATION**” is a bonafied record of work done by **S. M.BHARATHRAJ** with university Register No: **20PPH1878** during the year 2020-2022 in the Department of Physics under the supervision of **Dr. R. GOBI**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Signature of the HOD

Dr.S.BANGARU, M.Sc., M.Phil., Ph.D.,
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Research Guide

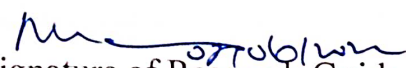
Dr. R. GOBI, M.Sc., B.Ed., M.Phil., Ph.D.,
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Namakkal - 637 002, Tamil Nadu.

ARIGNAR ANNA GOVT. ARTS COLLEGE
CERTIFICATE

Certified that the thesis titled "SECOND VIRIAL COEFFICIENT OF HYDROGEN AND ITS ISOMERS BY A MODIFIED BERTHELOT EQUATION OF STATE WITH ATOMIC RADIUS CORRELATED COVOLUME" is a bonafide record of M.Sc (Physics) project work done by S.GOBINATH with university Register No: 20PPH1880 under the supervision of Dr.R.Balasubramanian, Assistant Professor, PG & Research Department of Physics, Arignar Anna Government Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfillment of the requirements for the award of the Degree of Master of Science in Physics.

Department of Physics, Arignar Anna Government Arts College, Namakkal


Signature of the candidate


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Head of the Department

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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,

NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled "LOW COST EFFICIENT PROCESS OF WASTE WATER TREATMENT USING EUCALYPTUS CHARCOAL" is a bonafied record of work done by **GOPI. E** with university Register No: 20PPH1882 during the year 2020-2022 in the Department of Physics under the supervision of **Dr. D. SASIKUMAR**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Signature of the HOD

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Signature of the Research Guide
Dr. D. SASIKUMAR,
Assistant Professor

PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal - 637 002, Tamilnadu.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled “**SYNERGISTIC EFFECT OF CeO₂-Co₃O₄ NANOCOMPOSITE FOR HIGH PERFORMANCE SUPERCAPACITOR APPLICATIONS**” is a bonafide record of work done by **GOPIKRISHNA D** with university Register No: **20PPH1883** during the year 2020-2022 in the Department of Physics under the supervision of **Dr.R. GOBI**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

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Arignar Anna Govt. Arts College,
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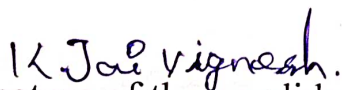
Research Guide


Dr. R. GOBI, M.Sc., B.Ed., M.Phil., Ph.D.,
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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE

CERTIFICATE

Certified that the thesis titled “**SECOND VIRIAL COEFFICIENT OF HYDROGEN AND ITS ISOMERS BY A MODIFIED BERTHELOT EQUATION OF STATE WITH TEMPERATURE DEPENDENT COVOLUME**” is a bonafide record of M.Sc physics work done by **K.JAIVIGNESH** with university Register No: **20PPH1884** under the supervision of **Dr.R.Balasubramanian**, Assistant Professor, PG & Research Department of Physics , Arignar Anna Government Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfillment of the requirements for the award of the Degree of Master of Science in Physics.


Signature of the candidate


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CERTIFICATE

Namakkal-637002

Certified that the dissertation titled "OPTICAL ABSORPTION, XRD, UV, EPR, FTIR, SEM STUDYS ON PURE KCL & Tb³⁺ DOPED SINGLE CRYSTALS" is a bonafide record of work done by **M.JANAKIRAMAN** with university Register No: **20PPH1885** during the year 2020-2022 in the Department of Physics under the guidance of **Dr. S.BANGARU**, Associate Professor & Head, PG Research Department, Department of Physics & Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfillment of the requirements for the award of the Degree of Master of Science in Physics.

M. Janaki
Signature of the candidate

S. Bangaru 28/6/2022
Signature of Research Guide

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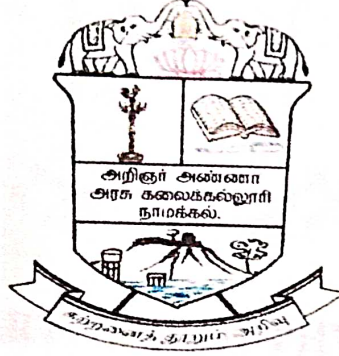
S. Bangaru 28/6/2022
Head of the Department

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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,

NAMAKKAL-637 002

DEPARTMENT OF PHYSICS



CERTIFICATE

Certified that the thesis titled " INTELLIGENT SHOPPING CART WITH ONLINE PAYMENT FOR FUTURISTIC SHOPPING EXPERIENCE" is a bonafide record of work done by S. KAMALESH with University Register No: 20PPH1886 during the year 2021-2022 in the Department of Physics under the supervision of Dr. N. SETHUPATHI, Assistant Professor of Physics, Arignar Anna Govt Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Signature of the HOD

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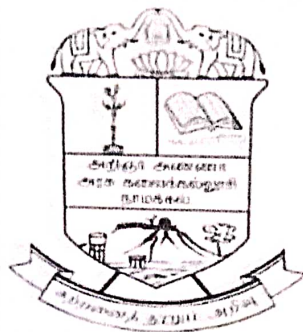
Signature of the Guide

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Post Graduate & Research Department,
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Namakkal - 637 002, Tamil Nadu.

Place: Namakkal


Date : 09/06/22

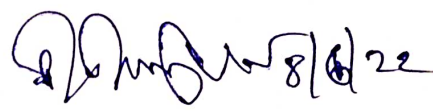
ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL - 02



DEPARTMENT OF PHYSICS
CERTIFICATE

Certified that the dissertation titled “EFFECT OF COBALT DOPING ON STRUCTURAL OPTICAL AND VAPOR SENSING PROPERTIES OF SPRAY DEPOSITED ZINC OXIDE THIN FILM” is a bonafied record of work done by **N.KANAGAVEL** with university Register No: **20PPH1887** during the year 2020-2022 in the Department of Physics under the supervision of **Mr.C.CHINNUSAMY**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.


Signature of the HOD
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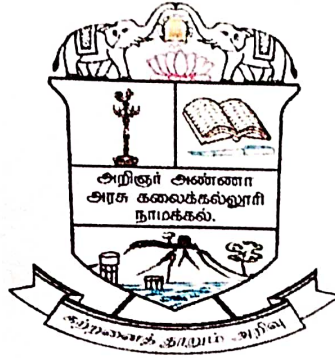

Research Guide

C. CHINNUSAMY, M.Sc., M.Phil., B.Ed.,
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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,

NAMAKKAL-637 002

DEPARTMENT OF PHYSICS

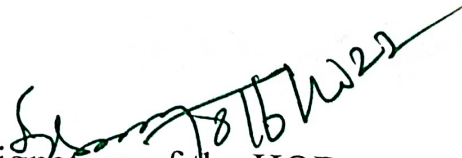


CERTIFICATE

Certified that the thesis titled "PREDICTION OF NON-LINEAR B/A PARAMETER STUDIES ON BINARY MIXTURE OF BUTANOL AZEOTROPES TOLUENE +TERT-BUTANOL & TOLUENE +ISO-BUTANOL" is a bonafide record of work done by R.KAVINKUMAR with University Register No: 20PPH1888 during the year 2021-2022 in the Department of Physics under the supervision of Dr. V. VELUSAMY, Assistant Professor of Physics, Arignar Anna Govt Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

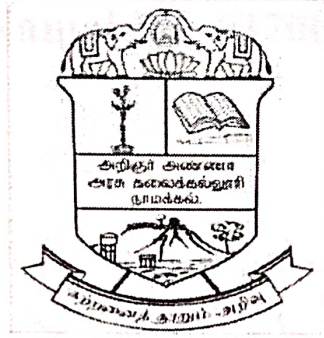
Place: Namakkal

Date:


Signature of the HOD
Dr. S. BANGARU, M.Sc., M.Phil., Ph.D.,
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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,

NAMAKKAL - 637002



CERTIFICATE

Certified that the dissertation titled “PREPARATION AND CHARACTERIZATION OF ZINC OXIDE DOPED NICKEL THIN FILM DEPOSITON BY DIP COATING METHOD” is a bonafied record of work done by M.NAVEEN with university Register No: 20PPH1889 during the year 2020-2022 in the Department of Physics under the supervision of Mr.C.CHINNUSAMY, Assistant Professor of Physics, Arignar Anna Government Arts College, Namakkal-02 and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

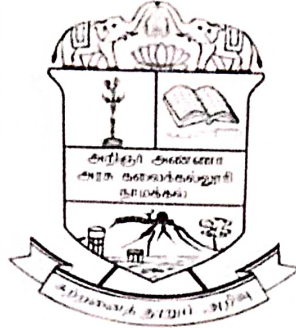
Signature of the HOD

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CERTIFICATE

Certified that the thesis titled “ADVANCED SMART HELMET AND AUTOMATIC ACCIDENT ALERT SYSTEM ” is a bonafide record of work done by **B.PONNAZHAGAN** with university RegisterNo:20PPH1890 during the year 2021-2022 in the Department of Physics under the supervision of **Dr. N. SETHUPATHI**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

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B SETHUPATHI

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Post Graduate & Research Department,
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Namakkal - 637 002, Tamil Nadu.

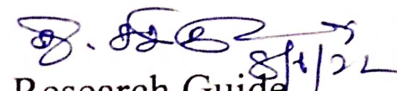
ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,
NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled “**LOW COST EFFICIENT PROCESS OF WASTE WATER TREATMENT USING VARIETY OF CHARCOAL COMPOSITION FROM NATURAL MATERIALS**” is a bonafied record of work done by **PRADEEP.J** with university Register No: **20PPH1891** during the year 2020-2022 in the Department of Physics under the supervision of **Dr.D.SASIKUMAR**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.


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Research Guide
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CERTIFICATE

Certified that the thesis titled “ INTELLIGENT AGRO CROP MONITORING SYSTEM USING IOT” is a bonafide record of work done by N.SENTHAMIZHARASAN with University Register No: 20PPH1892.

during the year 2021-2022 in the Department of Physics under the supervision of Dr.N. SETHUPATHI, Assistant Professor of Physics, Arignar Anna Govt Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

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Date: 09/06/2022

Signature of the Guide I, Ph.D.
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CERTIFICATE

Certified that the dissertation titled "OPTICAL ABSORPTION OF XRD, UV, EPR, FTIR, SEM, STUDYS OF Ce³⁺ DOPED & PURE KBr SINGLE CRYSTALS" is a bonafide record of work done by **M.SIVASAKTHI** with university **Register No: 20PPH1893** during the year 2020-2022 in the Department of Physics under the guidance of **Dr. S.BANGARU**, Associate Professor & Head, PG & Research Department, Department of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfillment of the requirements for the award of the Degree of Master of Science in Physics.



Signature of the candidate

 8/6/2022
Signature of Research Guide

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Associate Professor & Head,
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 8/6/2022
Head of the Department

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PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled "PREPARATION AND CHARACTERIZATION OF ^{depos} CuO_xNi THIN FILM BY ADVANCED DIP COATING METHOD" is a bonafied record of work done by M. SUBRAMANI with university Register No: 20PPH1894 during the year 2020-2022 in the Department of Physics under the supervision of Mr.C.CHINNUSAMY, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Signature of the NOD

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Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2, Tamil Nadu.

Signature of the Research Guide

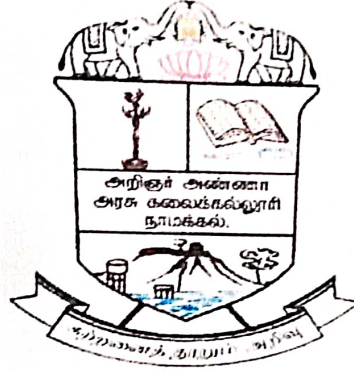
Research Guide

C. CHINNUSAMY, M.Sc., M.Phil., B.Ed.,
Assistant Professor of Physics
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NAMAKKAL - 637 002.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,

NAMAKKAL-637 002

DEPARTMENT OF PHYSICS

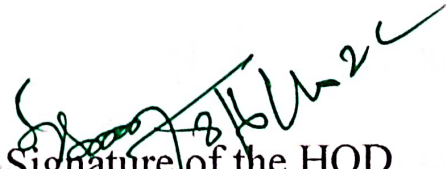


CERTIFICATE

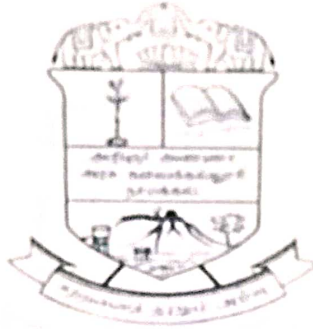
Certified that the thesis titled "**PREDICTION OF NON-LINEAR B/A PARAMETER ON BINARY MIXTURE OF ANILINE + 1-BUTANOL & ANILINE + 2-BUTANOL AZEOTROPES**" is a bonafide record of work done by **R. THAMARAI SELVAA** with University Register No: **20PPH1895** during the year 2021-2022 in the Department of Physics under the supervision of **Dr. V. VELUSAMY**, Assistant Professor of Physics, Arignar Anna Govt Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Place: Namakkal

Date: 08.06.2022


Signature of the HOD
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Arignar Anna Govt. Arts College,
Namakkal-2, Tamil Nadu.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE
NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled “**LOW COST EFFICIENT PROCESS OF WASTE WATER TREATMENT USING NEEM CHARCOAL**” is a bonafied record of work done by **BANUPRIYA.M** with university Register No: 20PPH1896 during the year 2020-2022 in the Department of Physics under the supervision of **Dr.D.SASIKUMAR**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Signature of the HOD

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Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.

Signature of Research Guide 8/6/22

Dr. D. SASIKUMAR,
Assistant Professor
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal - 637 002, Tamilnadu.

Dr. R. GOBI, M.Sc., M.Phil., Ph.D.,
Assistant Professor,
PG & Research Department of Physics,
Arignar Anna Government Arts College,
Namakkal-637002.



CERTIFICATE

This to certify that the M.Sc Project work title of **INVESTIGATION ON sb/Rgo NANOCOMPOSITES AS A POTENTIAL ELECTRODE MATERIAL FOR HIGH PERFORMANCE SUPERCAPACITOR APPLICATIONS** by **DURGA R , REGISTER NO: 20PPH1897** is a record of research work done by her during the period of her study under my guidance and the Project work has not previously formed the basis for the award of any other degree, associate ship, fellowship or other similar title. This is also to certify that the thesis represents the independent work of the candidate.

Place: Namakkal

Date: 07.06.2022


Signature of the Guide

Dr. R. GOBI, M.Sc., B.Ed., M.Phil., Ph.D.,
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Post Graduate & Research Department
Arignar Anna Government Arts College
Namakkal - 637 002, Tamil Nadu

CERTIFICATE

Certified that the dissertation titled "OPTICAL ABSORPTION, XRD, FTIR, EDAX, SEM, STUDIES ON $Ce^{3+}Tb^{3+}$ DOPED KBr & Nd^{3+} DOPED KBr SINGLE CRYSTALS" is a bonafide record of work done by **M. FARJANA** with university Register No: 20PPH1898 during the year 2021-2022 in the Department of Physics under the guidance of **Dr. S.BANGARU**, Associate Professor & Head, PG Research Department, Department of Physics & Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfillment of the requirements for the award of the Degree of Master of Science in Physics.

M. Farjana

Signature of the candidate

Dr. S. Bangaru 8/6/2022
Signature of Research Guide

Dr.S. BANGARU, M.Sc.,M.Phil.,Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.

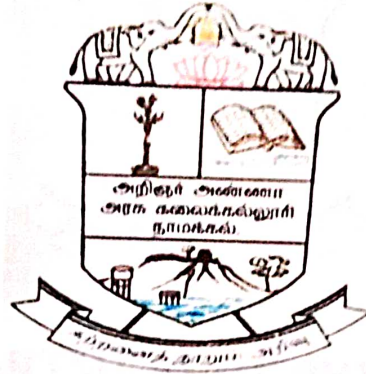
Dr. S. Bangaru 8/6/2022
Head of the Department

Dr.S. BANGARU, M.Sc.,M.Phil.,Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE,

NAMAKKAL-637 002

DEPARTMENT OF PHYSICS



CERTIFICATE

Certified that the thesis titled "PREDICTION OF NON-LINEAR B/A PARAMETER ON BINARY MIXTURE OF ANILINE + TETRA-BUTANOL & ANILINE + ISO-BUTANOL AZEOTROPES " is a bonafide record of work done by S.GAYATHRI with University Register No: 20PPH1899 during the year 2021-2022 in the Department of Physics under the supervision of Dr.V.VELUSAMY, Assistant Professor of Physics, Arignar Anna Govt Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

Place:

Date:

Signature of the HOD

Dr.S.BANGARU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2, Tamil Nadu.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled "ENRICHED ELECTRO CHEMICAL ACTIVITY OF MnO_2-ZnO NANO COMPOSITES FOR SUPERCAPACITOR APPLICATIONS" is a bonafied record of work done by M.KARPAGAM with university Register No: 20PPH1900 during the year 2020-2022 in the Department of Physics under the supervision of Dr. R. GOBI, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.

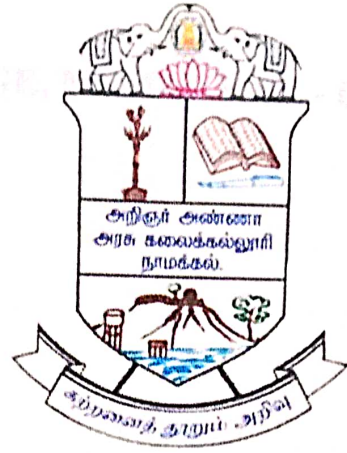
Signature of the HOD

Dr.S.BANGARU, M.Sc.,M.Phil.,Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Government Arts College,
Namakkal - 02

Research Guide

Dr. R. GOBI, M.Sc.,B.Ed.,M.Phil.,Ph.D.,
Assistant Professor of Physics
Post Graduate & Research Department
Arignar Anna Government Arts College
Namakkal - 037 002, Tamilnadu

Dr.N.SETHUPATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor,
PG & Research Department of Physics,
Arignar Anna Government Arts College,
Namakkal-637002.

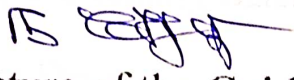


CERTIFICATE

This to certify that the M.Sc Project work title of **IOT BASED SMART BIN MONITORING USING SENSOR FOR SMART CITIES** by **P.RAGAVI**, REGISTER NO: **20PPH1901** is a record of research work done by his during the period of his study under my guidance and the Project work has not previously formed the basis for the award of any other degree, associate ship, fellowship or other similar title. This is also to certify that the thesis represents the independent work of the candidate.

Place: Namakkal

Date: 08.06.22



Signature of the Guide
Dr. N. SETHUPATHI, M.Sc M.Phil, Ph.D.,
Assistant Professor of Physics,
Post Graduate & Research Department,
Arignar Anna Government Arts College,
Namakkal - 637 002, Tamil Nadu.

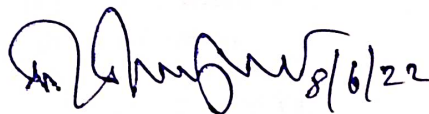
ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, NAMAKKAL - 02



CERTIFICATE

Certified that the dissertation titled **“PREPARATION AND CHARACTERIZATION OF PURE ZnO THIN FILM BY ADVANCED DIP COATING METHOD NOVEL APPROACH”** is a bonafied record of work done by **M. RAMYA** with university Register No: **20PPH1902** during the year 2020-2022 in the Department of Physics under the supervision of **Mr.C.CHINNUSAMY**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.


Signature of the HOD
Dr.S.BANGARU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2, Tamil Nadu.


Research Guide


C. CHINNUSAMY, M.Sc., M.Phil., B.Ed.,
Assistant Professor of Physics
Arignar Anna Govt. Arts College
NAMAKKAL - 637 002.


ARIGNAR ANNA GOVERNMENT ARTS COLLEGE ,NAMAKKAL -02



CERTIFICATE

Certified that the dissertation titled “**LOW COST EFFICIENT PROCESS OF WASTE WATER TREATMENT USING BAMBOO CHARCOAL**” is a bonafied record of work done by **VINITHA.P** with university **Register No: 20PPH1903** during the year 2020-2022 in the Department of Physics under the supervision of **Dr.D.SASIKUMAR**, Assistant Professor of Physics, Arignar Anna Govt. Arts College, Namakkal and is submitted to the Periyar University, Salem in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics.


Signature of the HOD
Dr.S.BANGARU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal-2. Tamil Nadu.


Research Guide
Dr. D. SASIKUMAR,
Assistant Professor
PG & Research Department of Physics,
Arignar Anna Govt. Arts College,
Namakkal - 637 002, Tamilnadu.

CERTIFICATE

This is to certify that the project work dissertation entitled "PHOTOCATALYTIC DAGRADATION STUDIES OF REACTIVE BLUE 49 DYE USING NANO ZnO PHOTOCATALYST" submitted in partial fulfillment of the degree of MASTER OF SCIENCE IN CHEMISTRY of the ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL, is bonafied record of the project work carried out by M.A.RAGAVEE, Reg No: 20PCH2074 under my guidance and supervision and I certify that this work is original and has not been submitted else where for any degree.

Head of the Department

Signature of the Guide

Dr.P. SIVAKUMAR, Ph.D.,
Assistant Professor/Chemistry
Arignar Anna Govt. Arts College
Namakkal - 637 002

Submitted for the Viva Voce examination held on:

EXAMINERS: 1)

2)

CERTIFICATE

This is to certify that the project work dissertation entitled “**ADSOPTIVE REMOVAL OF METHYLENE BLUE DYE USING GREEN SYNTHESIZED REDUCED GRAPHENE OXIDE**” submitted in partial fulfillment of the degree of **MASTER OF SCIENCE IN CHEMISTRY** of the **ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL**, is bonafied record of the project work carried out by **N.RAJA, Reg No: 20PCH2064** under my guidance and supervision and I certify that this work is original and has not been submitted elsewhere for any degree.

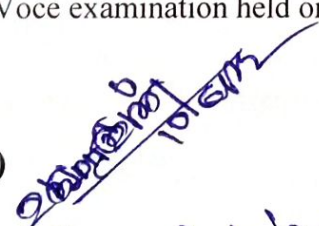
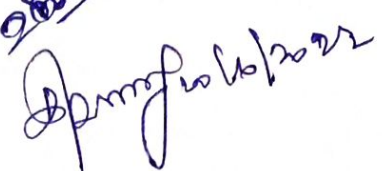

Head of the Department


Signature of the Guide

Submitted for the Viva Voce examination held on: 

EXAMINERS: 1)

2)

CERTIFICATE

This is to certify that the project work dissertation entitled “**SOL-GEL SYNTHESIS OF CuO/TiO₂ COMPOSITE USING PAPPAYA LEAF EXTRACT AND ANALYSIS OF ITS PHOTOCATALYTIC ACTIVITY AGAINST DYE MOLECULES**” submitted in partial fulfillment of the degree of **MASTER OF SCIENCE IN CHEMISTRY** of the **ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL**, is bonafied record of the project work carried out by **S.VANMATHI, Reg No: 20PCH2078** under my guidance and supervision and I certify that this work is original and has not been submitted else where for any degree.

Head of the Department

Signature of the Guide

Submitted for the Viva Voce examination held on:

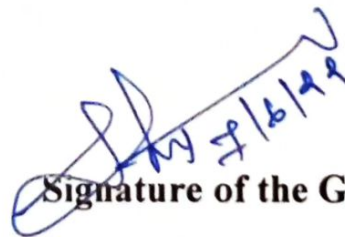
EXAMINERS: 1)

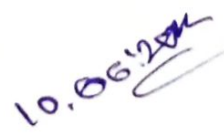
2) *[Signature]* 10/6/2022

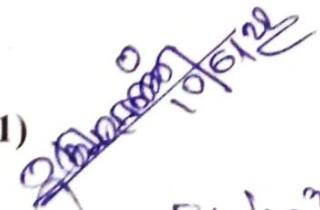

CERTIFICATE

This is to certify that the project work dissertation entitled "**LIGHT INDUCED DEGRADATION OF DIRECT VIOLET 35 DYE OVER A CATALYTIC SURFACE**" submitted in partial fulfillment of the degree of **MASTER OF SCIENCE IN CHEMISTRY** of the **ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL**, is bonafied record of the project work carried out by **K.SATHISH**, Reg No: **20PCH2068** under my guidance and supervision and I certify that this work is original and has not been submitted else where for any degree.


Head of the Department


Signature of the Guide

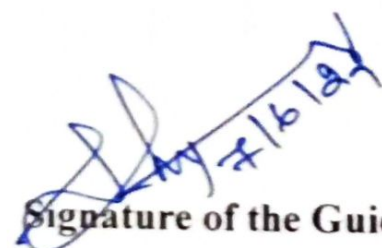
Submitted for the Viva Voce examination held on: 

EXAMINERS: 1) 
2) 

CERTIFICATE

This is to certify that the project work dissertation entitled "MASS TRANSFER STUDIES OF DYE HOUSE EFFLUENT USING REDUCED GRAPHENE OXIDE AS ADSORBENT" submitted in partial fulfillment of the degree of MASTER OF SCIENCE IN CHEMISTRY of the ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL, is bonafied record of the project work carried out by D.PASUPATHI, Reg No: 20PCH2062 under my guidance and supervision and I certify that this work is original and has not been submitted else where for any degree.


Head of the Department


Signature of the Guide

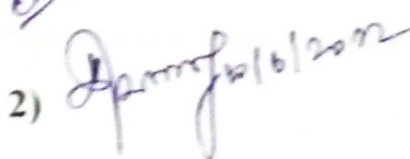
Submitted for the Viva Voce examination held on:

EXAMINERS:

1)



2)



CERTIFICATE

This is to certify that the project work dissertation entitled "EVALUATION OF ADSORPTION PERFORMANCE OF CONGO RED DYE USING NANO SORBENT" submitted in partial fulfillment of the degree of MASTER OF SCIENCE IN CHEMISTRY of the ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL, is bonafied record of the project work carried out by P.VIJI, Reg No: 20PCH2069 under my guidance and supervision and I certify that this work is original and has not been submitted else where for any degree.


Head of the Department

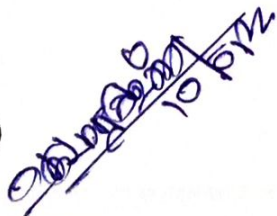

Signature of the Guide

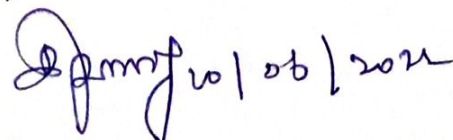
Dr.P. SIVAKUMAR, Ph.D.,
Assistant Professor/Chemistry
Arignar Anna Govt. Arts College
Namakkal - 637 002

Submitted for the Viva Voce examination held on:

10/06/2022

EXAMINERS: 1)


10/06/2022

2) 
10/06/2022

CERTIFICATE

This is to certify that the project work dissertation entitled "GREEN SYNTHESIS OF PHOTOCATALYST USING PLANT LEAF EXTRACT AND ITS DYE DEGRADATION STUDY" submitted in partial fulfillment of the degree of MASTER OF SCIENCE IN CHEMISTRY of the ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL, is bonafied record of the project work carried out by S.INDUMATHI, Reg No: 20PCH2071 under my guidance and supervision and I certify that this work is original and has not been submitted else where for any degree.


Head of the Department


Signature of the Guide

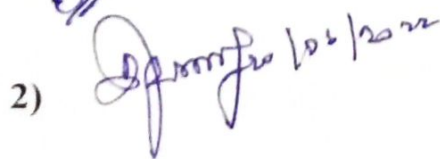
Dr.P. SIVAKUMAR, Ph.D.,
Assistant Professor/Chemistry
Arignar Anna Govt. Arts College
Namakkal - 637 002

Submitted for the Viva Voce examination held on: 10/6/22

EXAMINERS: 1)


10/6/22

2)


10/6/22

CERTIFICATE

This is to certify that dissertation entitled "**Synthesis and characterization of La doped ZnFe₂O₄ performance for structural, magnetic, vibrational studies and catalytic properties**" submitted to the Periyar University in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record of original work done by **T. RAJASEKAR**. (Register No: 20PCH2065) during the period 2020-2022 of his/her study in the **PG & Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal- 637002**, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree / Diploma / Fellowship / Associate ship or other similar titles to any candidate of any University.


Signature of the Guide

P. SANKUDEVAN, M.Sc., M.Phil.,
Assistant Professor,
PG & Research Department of Chemistry,
Arignar Anna Govt. Arts College,
NAMAKKAL - 637 002. Tamil Nadu. India.


Head of the Department

குமாரத் தலைவர்,
வேதியியல் துறை,
அ.அ.அரா கலைக் கல்லூரி
நாமக்கல் - 637 001.

Place: Namakkal

Date: 09/06/2022

Submitted for the viva - voice examination held on 10/06/22

EXAMINERS

1.



2.



CERTIFICATE

This is to certify that dissertation entitled "**Catalytic properties of nanosized La-doped NiFe₂O₄ prepared by using microwave method**" submitted to the Periyar University in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record of original work done by **R. MUNIYAPPAN**. (Register No: 20PCH2060) during the period 2020-2022 of his/her study in the **PG & Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal- 637002**, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree / Diploma / Fellowship / Associate ship or other similar titles to any candidate of any University.

H. Sankudevan 09/06/2022
Signature of the Guide

P. SANKUDEVAN, M.Sc., M.Phil.,
Assistant Professor,
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Arignar Anna Govt. Arts College,
NAMAKKAL - 637 002. Tamil Nadu. India.

Head of the Department

புலவர் தலைவர்,
வேதியியல் துறை,
அ.அ.அரண்மனை கல்விக்கல்வி,
நாமக்கல் - 637 001.

Place: Namakkal

Date: 09/06/2022

Submitted for the viva - voice examination held on

EXAMINERS:

1.

~~09/06/2022~~
10/6/22

2. H. Sankudevan 10/6/2022

CERTIFICATE

This is to certify that dissertation entitled “**kinetics of oxidation of benzaldehyde by nicotinium dichromate** ” submitted to the Periyar University in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record of original work done by **P.SOWMIYA**. (Register No: 20PCH2077) during the period 2020-2022 of his/her study in the **PG & Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal-637002**, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree / Diploma / Fellowship / Associate ship or other similar titles to any candidate of any University.

Signature of the Guide
சுரைத் தலைவர்,
வேதியியல் துறை,
அ-அ-அரக கலைக் கல்லூரி,
நாமக்கல் - 637 001

Head of the Department
சுரைத் தலைவர்,
வேதியியல் துறை,
அ-அ-அரக கலைக் கல்லூரி,
நாமக்கல் - 637 001

Place: Namakkal

Date: 09-06-2022

Submitted for the viva - voice examination held on

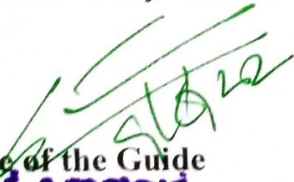
EXAMINERS:


1.

2.

CERTIFICATE

This is to certify that dissertation entitled “ **kinetics of oxidation of benzyl alcohol by isonicotinium dichromate**” submitted to the Periyar University in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record of original work done by **T. PANDIARAJAN**. (Register No: 20PCH2061) during the period 2020-2022 of his/her study in the **PG & Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal- 637002**, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree / Diploma / Fellowship / Associate ship or other similar titles to any candidate of any University.


Signature of the Guide
துறைத் தலைவர்,
வேதியியல் துறை,
அ-அ-அரசு கலைக் கல்லூரி
நாமக்கல் - 637 001.


Head of the Department
துறைத் தலைவர்,
வேதியியல் துறை,
அ-அ-அரசு கலைக் கல்லூரி.
நாமக்கல் - 637 001.

Place: Namakkal

Date: 09/06/22

Submitted for the viva - voice examination held on

EXAMINERS:

1. 

2.

CERTIFICATE

This is to certify that dissertation entitled “ **kinetics of oxidation of benzyl alcohol by nicotinium dichromate**” submitted to the Periyar University in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record of original work done by **P.KOWSIKA**. (Register No: 20PCH2072) during the period 2020-2022 of his/her study in the **PG & Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal-637002**, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree / Diploma / Fellowship / Associate ship or other similar titles to any candidate of any University.

Signature of the Guide,

வேதியியல் துறை,
அ.அ.அரசு கலைக் கல்லூரி
நாமக்கல் - 637 001.

Head of the Department

வேதியியல் துறை,
அ.அ.அரசு கலைக் கல்லூரி
நாமக்கல் - 637 001.

Place: Namakkal

Date: 09.06.2022

Submitted for the viva - voice examination held on

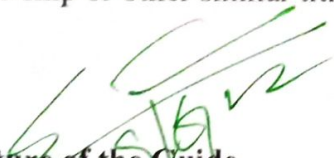
EXAMINERS:

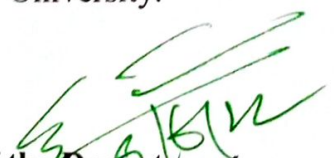
1.

2.

CERTIFICATE

This is to certify that dissertation entitled “**kinetics and mechanism of oxidation of benzaldehyde by isonicotinium dichromate**” submitted to the Periyar University in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record of original work done by **G. CHINNASAMY. (Register No: 20PCH2058)** during the period 2020-2022 of his/her study in the **PG & Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal- 637002**, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree / Diploma / Fellowship / Associate ship or other similar titles to any candidate of any University.


Signature of the Guide,
சுரைத் தலைவர்,
வேதியியல் துறை,
அ.அ.அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 001


Head of the Department
சுரைத் தலைவர்,
வேதியியல் துறை,
அ.அ.அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 001

Place: Namakkal

Date: 09-06-2022

Submitted for the viva - voice examination held on

EXAMINERS:

1. 
10/6/22

2.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE- NAMAKKAL -2

[Affiliated to Periyar University Salem, Govt. of Tamil Nadu]

PG & RESEARCH DEPARTMENT OF CHEMISTRY



CERTIFICATE

This is to certify that the dissertation entitled “**Studies on The Removal of Methylene Blue from Aqueous Solution by Using *Eucalyptus Globules* Leaves of Activated Carbon**” is a bonafide record of research work done by **Ms. M.GOWRIMAAN [Reg. No: 20PCH2070]** during 2021 - 2022, submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN CHEMISTRY** and that the dissertation has not previously formed the basis for the award of any other Degree, Diploma, Associate – ship, Fellowship or other title and that the dissertation represents in independent and original work on the part of the candidate under the guidance of **Dr. P. THAMILARASU, Assistant Professor of Chemistry, PG and Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal -2.**


SIGNATURE OF THE GUIDE
Dr. P. THAMILARASU

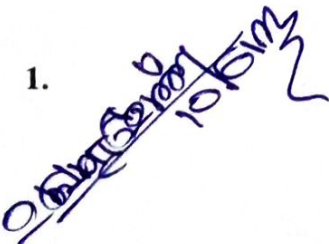
Assistant Professor,
**PG & Research Department of Chemistry,
Arignar Anna Govt. Arts College,
NAMAKKAL - 637 002.**


HEAD OF THE DEPARTMENT

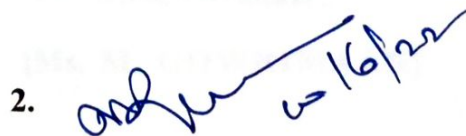
செந்திரன் குமார்
பி.சி.சி.டி. அமைச்சர் அலுவலகம்
நாமக்கல் - 637 001.

EXAMINERS

1.


10/6/22

2.


16/22

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE- NAMAKKAL -2

[Affiliated to Periyar University Salem, Govt. of Tamil Nadu]

PG & RESEARCH DEPARTMENT OF CHEMISTRY



CERTIFICATE

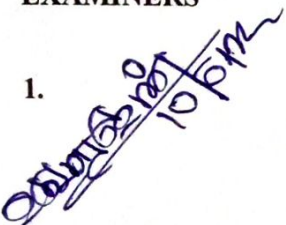
This is to certify that the dissertation entitled “**Studies on the Characterization and Optimization Ricinus Communis Seed Shell Activated Carbon**” is a bonafide record of research work done by **Mr. P. PRAKASH KUMAR [Reg. No: 20PCH2063]** during 2021 - 2022, submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN CHEMISTRY** and that the dissertation has not previously formed the basis for the award of any other Degree, Diploma, Associate – ship, Fellowship or other title and that the dissertation represents in independent and original work on the part of the candidate under the guidance of **Dr. P. THAMILARASU, Assistant Professor of Chemistry, PG and Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal -2.**


SIGNATURE OF THE GUIDE
Dr. P. THAMILARASU, M.Sc., M.Phil., Ph.D.
Assistant Professor,
PG & Research Department of Chemistry,
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NAMAKKAL - 637 002,
EXAMINERS


HEAD OF THE DEPARTMENT

குமாரத் தாமரைவர்,
வேதியியல் துறை,
அ-அ-அரண் அரசுக் கல்விக்கல்வி
நாமக்கல் - 637 002.

1.


10/6/22

2.


10/6/22

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE- NAMAKKAL -2

[Affiliated to Periyar University Salem, Govt. of Tamil Nadu]


PG & RESEARCH DEPARTMENT OF CHEMISTRY



CERTIFICATE

This is to certify that the dissertation entitled "**Thermodynamic and Kinetic Studies on the Removal of Methyl Violet Dye from Aqueous Solution by using *Vigna Mungo* Seed Shell Activated Carbon**" is a bonafide record of research work done by **Ms. P. PRIYA [Reg. No: 20PCH2073]** during 2021 - 2022, submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the Degree of **MASTER OF SCIENCE IN CHEMISTRY** and that the dissertation has not previously formed the basis for the award of any other Degree, Diploma, Associate – ship, Fellowship or other title and that the dissertation represents in independent and original work on the part of the candidate under the guidance of **Dr. P. THAMILARASU, Assistant Professor of Chemistry, PG and Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal -2.**


SIGNATURE OF THE GUIDE
Dr. P. THAMILARASU, M.Sc., M.Phil., Ph.D.,
Assistant Professor,
PG & Research Department of Chemistry,
Arignar Anna Govt. Arts College,
NAMAKKAL - 637 002.

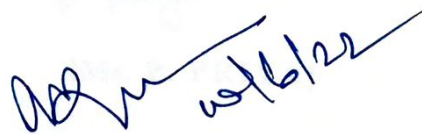

HEAD OF THE DEPARTMENT
வேதியியல் துறை,
அ-அ-அரா கலைக் கழகம்,
நாமக்கல் - 637 001.

EXAMINERS

1.


10/6/22

2.


10/6/22

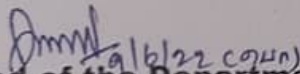
Dr. S. ARUNPRAKASH., M.Sc., Ph.D.,

Assistant professor of Botany
Aringar Anna Government Arts College,
Namakkal - 2

CERTIFICATE

This is to certify that the dissertation entitled "*PHYTOCHEMICAL ANALYSIS OF SOME XEROPHYTIC PLANTS BY USING FT-IR*". Submitted to the Periyar University, Salem for the award of Master of Science in Botany embodies the result of bonafide research work carried out by S.CHEZHIAN (REG.NO.20PBO1103) under my guidance and supervision at the Department of Botany, Aringar Anna Government Arts College, Namakkal, Tamil Nadu.

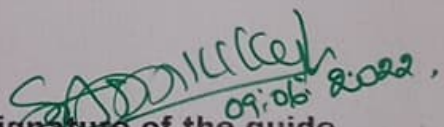
I further certify that no part of the project report has been submitted anywhere else for any other degree, diploma, associate ship, fellowship or any other similar titles.


Head of the Department

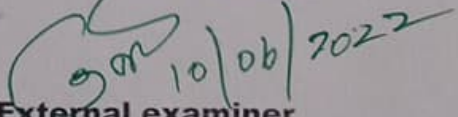
HEAD,
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A.A. GOVT. ARTS COLLEGE
NAMAKKAL - 637 002


Internal Examiners

Dr.S. ARUNPRAKASH, M.Sc.,Ph.D.,
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Signature of the guide

Dr.S. ARUNPRAKASH, M.Sc.,Ph.D.,
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External examiner

Dr. K. RAJU, M.Sc.,M.Phil.,Ph.D.,
Associate Professor & Head,
Scientist Award Recipient,
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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE

(Affiliated to Periyar University, Salem, Tamil Nadu)

PG & RESEARCH DEPARTMENT OF BOTANY

NAMAKKAL - 637 002



CERTIFICATE

This is to certify that the dissertation entitled "Floristic and Ethnobotanical Studies of Erode District, Tamil Nadu, India" is a bonafide record of research work done by **Mr. S. Gokulkrishnan**, II M. Sc. Botany, Arignar Anna Government Arts College, under the guidance of **Dr. M. CHANDRASEKARAN**, Assistant Professor of Botany, Arignar Anna Government Arts College, Namakkal during the period 2021-2022 and this dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title to the candidate.

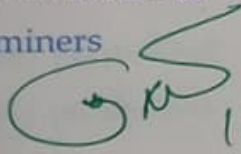
This is also to certify that the dissertation represents the independent work of the candidate.


HEAD OF THE DEPARTMENT

HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
NAMAKKAL - 637 002.

Examiners

1.

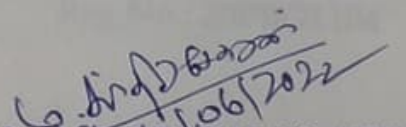

10/06/2022

Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
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2.


(M. CHANDRASEKARAN)

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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE- NAMAKKAL -2

[Affiliated to Periyar University Salem, Govt. of Tamil Nadu]

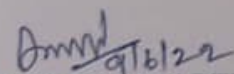
PG & RESEARCH DEPARTMENT OF BOTANY

Dr.R.SENGOTTUVEL
ASSISTANT PROFESSOR IN BOTANY

kavinseng@gmail.com

CERTIFICATE

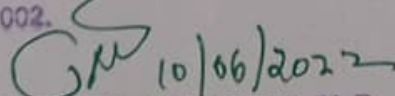
This is to certify that this dissertation entitled "Effects of zinc toxicity on growth, photosynthetic, pigments and dry matter yield of *cicer arietinum* L.varieties" submitted to the Periyar University, Salem, in partial fulfillment of the requirement for the award of the Degree MASTER OF SIENCE IN BOTANY is a record of bonafide research work done by LOGANATHAN.T M.Sc., (Reg .No: 20PBO1105) during the Academic year 2021-2022 under my supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship to any candidate in any University.



HEAD OF DEPARTMENT (சுயந)
HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
NAMAKKAL - 637 002.

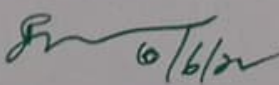

GUIDE & SUPERVISOR
Dr.F. SENGOTTUVEL, M.Sc., M.Phil., Ph.D.,
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Arignar Anna Govt.Arts College,
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- 1.
- 2.


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K. VASANTHAMANI, M.Sc., M.Phil.,
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K. VASANTHAMANI, M.Sc., M.Phil.,
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ARIGNAR ANNA GOVT. ARTS COLLEGE-NAMAKKAL-2

[Affiliated to Periyar University Salem, Govt. of Tamil Nadu]

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CERTIFICATE

This is to certify that the dissertation entitled "Studies on Phytochemicals of *Cleome viscosa* L." submitted to Periyar University in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN BOTANY** is a bonafide research work carried out during 2020- 2022 by **MADHESWARAN, K.** [Reg. No: 20PBO1106] under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship, Fellowship or any other similar titles in this or any other University or Institution of higher learning.

HEAD OF DEPARTMENT

க. வசந்தாமணி, எம்.என்.சி., எம்.பி.ஓ.
தாவரவியல் கிளையின்கீழான மூலம் துறைத் தலைவர்.
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.

EXAMINERS

1.

Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
Scientist Award Recipient,
Research Supervisor,
P.G. & Research Dept. of Botany,
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VELUR - 638 182, Namakkal Dt. Tamil Nadu, India.

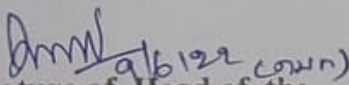
2.

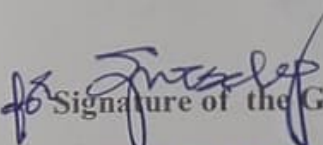
Dr. G. SUBRAMANIAN, M.Sc., M.Phil., B.Ed., Ph.D.,
Assistant Professor
PG & Research Dept. of Botany
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K. VASANTHAMANI, M.Sc., M.Phil.,
H. O. D. OF BOTANY,
A. A. G. ARTS COLLEGE,
NAMAKKAL - 637 002

CERTIFICATE

This is to certify that the dissertation entitled "BIOCHEMICAL AND SOIL RECLAMATION STUDIES ON VEGTABLE AND FRUITS WASTES COMPOSTFERTILIZER TREATED *Coriandrum sativum* L., PLANTS " is bonafide record of research work done by A.MANIKANDAN (20PBO1107) during (2020-2022), submitted to Arignar Anna Government Arts Collegenamakal, affiliated Periyar University Salem partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE IN BOTANY and that dissertation has not preciously formed the basis for the award of any other Degree, Diploma, Associateship, fellowship or other title and that the dissertation, represents independant original work of the candidate under my guidance.


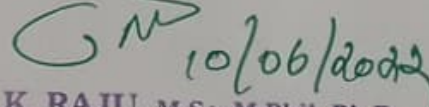

Signature of Head of the
Department
HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
NAMAkkAL - 637 002


Signature of the Guide
DR. E.G. WESELY, M.Sc., Ph.D.,
Assistant Professor
Department of Botany
Arignar Anna Govt. Arts College
Namakkal - 637 002. Tamilnadu.

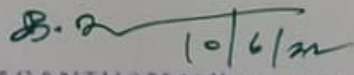
Date: 10.06.2022

Place: NAMAkkAL

Examiners:

1. 
2. 
Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
Scientist Award Recipient,
Research Supervisor,
P.G. & Research Dept. of Botany,
Kandaswami Kandar's College,
VELUR - 638 182, Namakkal Dt. Tamil Nadu, India.

DECLARATION


K. VASANTHAMANI, M.Sc., M.Phil.,
H. O. D. OF BOTANY,
A. A. G. ARTS COLLEGE,
NAMAkkAL - 637 002.

ARIGNAR ANNA GOVERNMENT ARTS COLLEGE-NAMAKKAL-2

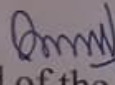
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PG&RESEARCH DEPARTMENT OF BOTANY



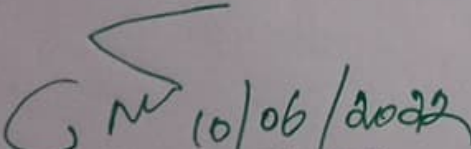
CERTIFICATE


This is to certify that the dissertation "MUSHROOM DIVERSITY IN SENDAMANGALAM REGION FOOT HILLS OF KOLLI HILLS, NAMAKKAL DISTRICT" is a bonafide record of research work done by P.MANIKANDAN (Reg.NO.20PBO1108) during 2020-2022, submitted to the Periyar University, Salem in partial fulfillment of the requirement for the Degree of MASTER OF SCIENCE IN BOTANY and that the dissertation has not previously formed the basis for the award of any other Degree, Diploma, Associate – ship, Fellowship or other title and that the dissertation represents in independent and original work on the part of the candidate under the guidance of Dr. V. Balakrishnan, Assistant Professor of Botany, PG and Research Department of Botany, Arignar Anna Government Arts College, Namakkal-2


9/6/22 (2022)
Head of the Department
HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
NAMAKKAL - 637 002.


09/06/22
Signature of the Supervisor
Dr. V. Balakrishnan, M.Sc., M.Phil., Ph.D., F.S.A.B.,
Assistant Professor,
Department of Botany,
Arignar Anna Govt. Arts College,
Namakkal - 637 002.
TAMILNADU, INDIA.

EXAMINERS


10/06/2022
Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
Scientist Award Recipient,
Research Supervisor,
P.G. & Research Dept. of Botany,
Kandaswami Kandari's College,
VELUR - 638 182, Namakkal Dt. Tamil Nadu, India.


10/6/22
K. VASANTHAMANI, M.Sc., M.Phil.,
H. O. D. OF BOTANY,
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NAMAKKAL - 637 002.

ARIGNAR ANNA GOVT. ARTS COLLEGE-NAMAKKAL-2

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PG & RESEARCH DEPARTMENT OF BOTANY



CERTIFICATE

This is to certify that the dissertation entitled "Quadrant Studies on Plants Species of Sanyasikaradu, Namakkal, District, Tamilnadu, India" submitted to Periyar University in partial fulfillment for the award of degree of MASTER OF SCIENCE IN BOTANY is a bonafide research work carried out during 2020- 2022 by MOESSAMUVEL, E. [Reg. No: 20PBO1110] under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship, Fellowship or any other similar titles in this or any other University or Institution of higher learning.

[Signature]
16/12/22 (G.M.)
HEAD OF DEPARTMENT
HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COL
NAMAKKAL - 637 002

[Signature]
16/12/22
SUPERVISOR & GUIDE

Dr. K. PARVATHI, M.Sc., M.Phil., Ph.D.,
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Namakkal - 637 002, Tamilnadu

EXAMINERS

1.

[Signature]
10/06/2022
Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
Scientist Awaro Recipient,
Research Supervisor,
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Indira Gandhi College,
Namakkal - 637 002, Namakkal Dt. Tamil Nadu, India.

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10/6/22
K. VASANTHAMANI, M.Sc., M.Phil.,
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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE

(Affiliated to Periyar University, Salem, Tamil Nadu)

PG & RESEARCH DEPARTMENT OF BOTANY

NAMAKKAL - 637 002



CERTIFICATE

This is to certify that the dissertation entitled "Floristic and Ethnobotanical Studies of Mohanur Taluk, Namakkal District, Tamil Nadu, India" is a bonafide record of research work done by **Mr. S. Prakash**, II M. Sc. Botany, Arignar Anna Govt Arts College, under the guidance of **Dr. M. CHANDRASEKARAN**, Assistant Professor in Botany, Arignar Anna Govt. Arts College, Namakkal during the period 2021-2022 and this dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title to the candidate.

This is also to certify that the dissertation represents the independent work of the candidate.

Dr. M. Chandrasekaran
HEAD OF THE DEPARTMENT

HEAD,

PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
NAMAKKAL - 637 002

Examiners

1.

Dr. K. Raju
Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
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Research Supervisor,
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2.

Dr. M. Chandrasekaran
(M. CHANDRASEKARAN)

Research Supervisor

Dr. M. Chandrasekaran, M.Sc., M.Phil., Ph.D.,
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Dr. M. Chandrasekaran
Dr. M. Chandrasekaran, M.Sc., M.Phil., Ph.D.,
Assistant Professor,
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CERTIFICATE

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


Assistance professor in Botany

Department of botany

Arignar Anna Government Arts & Science College,

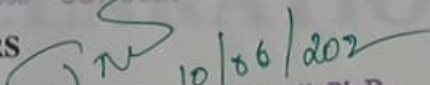
Namkkal - 637 002

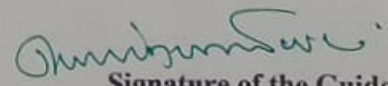
This is to certify that dissertation entitled "**FLORISTIC STUDIES ON THE MIMOSACEAE FLORA OF KOLLI HILLS-NAMAKKAL DISTRICT,(TN) INDIA**" submitted in partial fulfillment of the requirement for the degree of **MASTER SCIENCE IN BOTANY** to the Periyar university, Salem is a bonafide research work carried out by **PRATHAP R Reg No : 20PB01113** Under my supervision and guidance and that no part of this dissertation has been submitted for the award of any degree, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific popular journals or magazines.


Head of the department

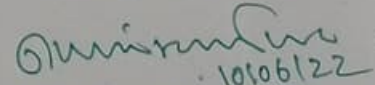
க. பொருத்தமான், உதவி, எம்.பி.ஓ.,
தமிழ் மொழிப்பாடல் அமைச்சு, சென்னை,
சென்னை - 600 002.
தொலைபேசி - 637 002.

EXAMINERS

1. 
Dr. K. RAJU, M.Sc.,M.Phil.,Ph.D.,
Associate Professor & Head,
Scientist Award Recipient,
Research Supervisor,
P.G. & Research Dept. of Botany,
Kandaswami Kandar's College,
VELUR - 638 182, Namakkal Dt. Tamil Nadu, India.


Signature of the Guide

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ASSISTANT PROFESSOR,
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A.A. Government Arts College,
NAMAKKAL - 637 002.

2. 
Dr.P.SUBRAMANIAM, M.Sc.,M.Phil.,Ph.D.,
ASSISTANT PROFESSOR,
P.G. & Research Department of Botany,
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NAMAKKAL - 637 002.

ARIGNAR ANNA GOVT. ARTS COLLEGE-NAMAKKAL-2



[Affiliated to Periyar University Salem, Govt. of Tamil Nadu]

PG & RESEARCH DEPARTMENT OF BOTANY

CERTIFICATE

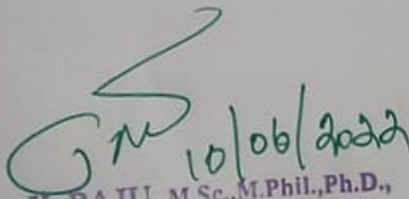
This is to certify that the dissertation entitled **Studies on Biochemical Compositions of *Sesamum lacinatedum* Klein ex Willd** submitted to Periyar University in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN BOTANY** is a bonafide research work carried out during 2020- 2022 by **RAVINKUMAR, P** [Reg. No: 20PBO1114] under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship, Fellowship or any other similar titles in this or any other University or Institution of higher learning.


HEAD OF DEPARTMENT


க. வசந்தநாயகி, எம்.எல்.எல்., எம்.பி.எல்.
தேசிய விவசாய அறிவியல் மற்றும் உயிர் அறிவியல்
அறிஞர் அண்ணா அரசு கலைக் கல்லூரி,
நாமக்கல் - 637 002.

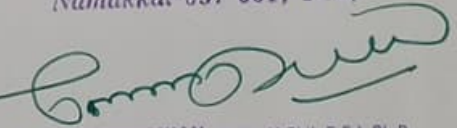
EXAMINERS

1.


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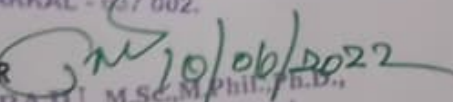
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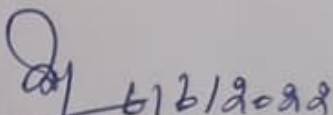
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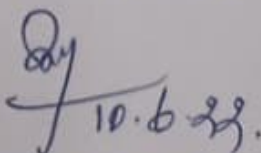

This is to certify that the dissertation entitled "**ANATOMICAL AND PHYTOCHEMICAL STUDIES OF THE BAUHINIA PURPUREA L. & BAUHINIA TOMENTOSA (L) (BRITTON & ROSE)**" is bonafide record of research work done by **Mr. R. SUGANESHWARAN, (Reg.No;20PBO1117)** during **2022** submitted to the Periyar University, Salem in partial fulfillment of the requirement for the award of the degree of **Master of science (M.Sc.,)** in Botany and that the dissertation has not previously formed the basis for the award of any other Degree, Diploma, Associateship, Fellowship or other title and that the dissertation represents in independent and original work on the part of the candidate under the guidance of **Dr. K. PALANISAMY**, Assistant professor of Botany, PG & Research Department of Botany Arignar Anna Government Arts College, Namakkal - 2.


HEAD OF THE DEPARTMENT
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ARIGNAR ANNA GOVERNMENT ARTS COLLEGE-NAMAKKAL- 2

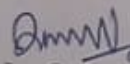



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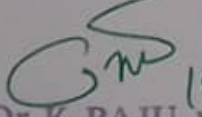
CERTIFICATE


This is to certify that the dissertation "**Anatomical changes of *Nerium indicum* Mill. in air polluted by pass road from Namakkal to Salem region**" is a bonafide record of research work done by S.THANGAMUTHU (Reg.NO.20PBO1118) during 2020-2022, submitted to the Periyar University, Salem in partial fulfillment of the requirement for the Degree of MASTER OF SCIENCE IN BOTANY and that the dissertation has not previously formed the basis for the award of any other Degree, Diploma, Associate – ship, Fellowship or other title and that the dissertation represents in independent and original work on the part of the candidate under the guidance of Dr. V. Balakrishnan, Assistant Professor of Botany, PG and Research Department of Botany, Arignar Anna Government Arts College, Namakkal-2


21/6/22 (CWA)
Head of the Department
HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
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Signature of the Supervisor
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K. VASANTHAMANI, M.Sc., M.Phil.,
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Dr. E. G. WESELY JEBASING DEVAIRAKAM, M.Sc., Ph.D.,

Assistant Professor

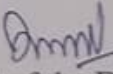
Department of botany

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Namakkal -637 002

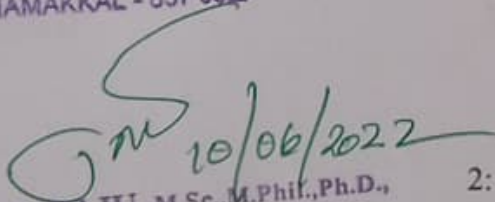
CERTIFICATE

This is to certificate that the dissertation entitled "SEED GERMINATION AND VIGOR INDEX STUDIES ON DIFFERENT CROPS" submitted in partial fulfillment of the requirement for the degree of master science in botany to the prayer university, Salem, is a bonafied research work carried out by THIRUPATHI.M (Reg. No:20PBO1119) under my super vision and guidance and that no part of this dissertation has been submitted for the award of any degree, Fellowship or other similar titles or prize and that the work has not been published in part or full in any scientific popular journals of magazines.

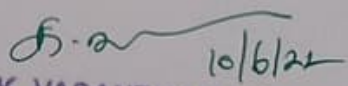

Head of the Department (G.M.)
PG. DEPT. OF BOTANY
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NAMAKKAL - 637 002

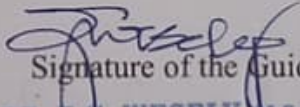
Examiners

1:


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K. VASANTHAMANI, M.Sc., M.Phil.,
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CERTIFICATE

Mr. M.KALUSALINGAM

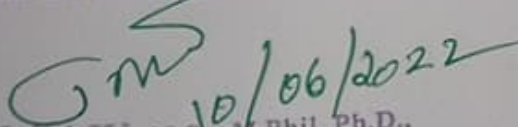
Assistant Professor,
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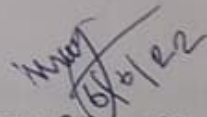
This is to certificate that the dissertation entitled "**LICHENS SURVEY IN KOLLIHILLS**". Submitted in partial fulfilment of the requirement for the degree of master science in Botany to the PERIYAR UNIVERSITY, SALEM, is a bonafied research work carried out by **P.VEERACHOLHAN. (Reg.No.20PBO1120)** during the period of 2021-22, under my guidance and supervision and that no part of this dissertation has been submitted for the award of any degree, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific in any scientific popular journals of magazines.


6/6/22
Head of the Department

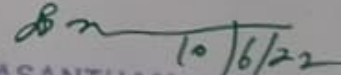
K. VASANTHAMANI, M.Sc., M.Phil.,
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Examiners

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2. **Dr. K. RAJU**, M.Sc., M.Phil., Ph.D.,
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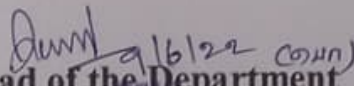

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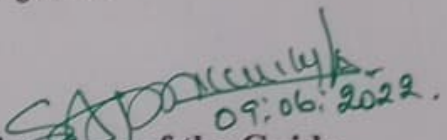

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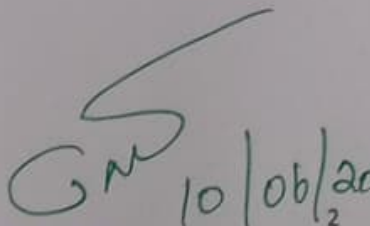
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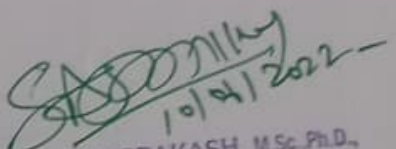
This is to certificate that the dissertation entitled "STUDY OF ALGAL DIVERSITY IN KONDICHETTIPATTI POND FROM NAMAKKAL DISRTICT" submitted in partial fulfillment of the requirement for the degree master of science in Botany to the Periyar University, Salem, is a bonfied research work carried out by S.VIJAY Reg. No: 20PBO1121 under my supervision and guidance and that no part of this dissertation has been submitted for the award of any degree, fellowship or other similar titles or prizes that the work has not been published in part of full in any scientific popular journals of magazines.


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This is to certify that the dissertation entitled "**A Study of Flowering Plants in Sanyasikaradu, Namakkal District, Tamilnadu**" submitted to Periyar University in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN BOTANY** is a bonafide research work carried out during 2020- 2022 by **KOKILA, M** [Reg. No: **20PBO1123**] under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship, Fellowship or any other similar titles in this or any other University or Institution of higher learning.

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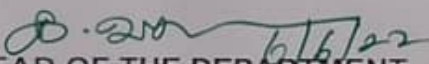


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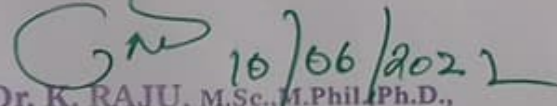
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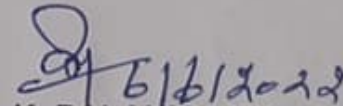
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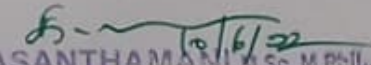
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This is to certificate that the dissertation entitled "ANTI MOSQUITO-LARVAE AND PUPAE ACTIVITIES OF CALOTROPIS PROCERA LEAF EXTRACT". Submitted in partial fulfilment of the requirement for the degree of master science in Botany to the PERIYAR UNIVERSITY, SALEM, is a bonafied research work carried out by **P. NIRMALA**. (Reg.No.20PBO1125) during the period of 2021-2022, under my guidance and supervision and that no part of this dissertation has been submitted for the award of any degree, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific in any scientific popular journals of magazines

Head of the Department

க. வசந்தாமனி, வி.கே.சி., எம்.பி.ஓ.
தாவர அறிவியல் துறை தலைவர்
அறிவு அமைதி ஆர்வ கலைக் கல்லூரி,
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Examiners

- 1.
- 2.

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Dr.R.SENGOTTUVEL
ASSISTANT PROFESSOR IN BOTANY

kavinseng@gmail.com

CERTIFICATE

This is to certify that this dissertation entitled "Effect of copper toxicity on germination growth, Phytotoxicity and dry matter yield of Cicer arietinum L. varieties" submitted to the Periyar University, Salem, in partial fulfillment of the requirement for the award of the Degree MASTER OF SIENCE IN BOTANY is a record of bonafide research work done by **NIRMALADEVLM M.Sc.**, (Reg .No: 20PBO1126) during the Academic year 2021-2022 under my supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship to any candidate in any University.

Dr. R. Sengottuvel
9/6/22
HEAD OF DEPARTMENT (SUN)
HEAD,
PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
NAMAKKAL - 637 002.

Dr. R. Sengottuvel
9/6/22
GUIDE & SUPERVISOR
Dr. R. SENGOTTUVEL, M.Sc., M.Phil., Ph.D.,
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EXAMINERS

- 1.
- 2.

Dr. K. Raju
10/06/2022
Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
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Scientist Award Recipient,
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K. Vasanthamani
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K. VASANTHAMANI, M.Sc., M.Phil.,
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Mr. S. RAJAVEL., M.Sc., M.Phil., B.Ed.,

ASSISTANT PROFESSOR IN BOTANY

CERTIFICATE

This is to certify that this dissertation entitled studies on "STEM CUTTING PROPAGATION OF *Mentha spicata*" submitted to the Periyar University, Salem, in partial fulfillment of the requirement for the award of the Degree MASTER OF SIENCE IN BOTANY is a record of bonafide research work done by PRIYA. V (Reg .No: 20PBO1127) during the Academic year 2021-2022 under my supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship to any candidate in any University.

Place: Namakkal

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HEAD,

PG. DEPT. OF BOTANY
A.A. GOVT. ARTS COLLEGE
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S. Rajavel
10/6/22

SIGNATURE OF GUIDE

(Mr. S. RAJAVEL)

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ASSISTANT PROFESSOR,
P. G. Department of Botany,
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EXAMINERS


1. G. N. S.
10/06/2022

Dr. K. RAJU, M.Sc., M.Phil., Ph.D.,
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K. VASANTHAMANI, M.Sc., M.Phil.,
H. O. D. OF BOTANY,
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CERTIFICATE

This is to certify that the dissertation entitled "**MACRO PROPAGATION OF *Jasminum sambac L.***" submitted in partial fulfillment of the degree of **MASTER OF SCIENCE IN BOTANY** to the periyar University, Salem is a record of bonafied research work carried out by **C. RANJITHA (Reg:No. 20PB01129)** Under my supervision and guidance and that no part of this dissertation has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and other work has not been published or full in any scientific popular journals or magazines.

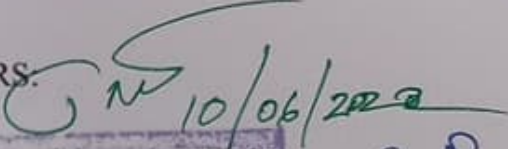

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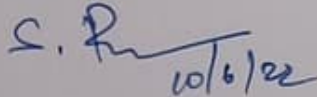

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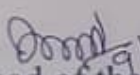

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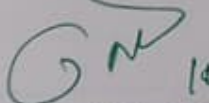

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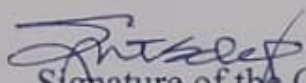
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CERTIFICATE

This is to certificate that the dissertation entitled "SEED GERMINATION & VIGOR INDEX STUDIES ON SAVE CROPS" submitted in partial fulfillment of the requirement for the degree of master science in botany to the prayer university, Salem, is a bonafied research work carried out by REVATHI.M Reg. No:20PBO1130 under my super vision and guidance and that no part of this dissertation has been submitted for the award of any degree, Fellowship or other similar titles or prize and that the work has not been published in part or full in any scientific popular journals of magazines.


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