


PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(AUTONOMOUS),
TIRUCHIRAPPALLI - 620 023.




CERTIFICATE

This is to certify that the project work entitled "ONLINE HOSPITAL CAMP PORTAL", submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 affiliated to Bharathidasan University is a bonafide record of the work done by **N.PAVITHRA (Register. No: 20PCS23)** during the even semester of the academic year 2021 - 2022.

Head of the Department  02/06/22

Signature of the Guide  1.6.22

துறைத் தலைவர்,
கணினி அறிவியல் துறை,
Viva voce examination for this project work held on 02-06-2022.
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.

Internal Examiner  2.6.22

External Examiner 

P.G. & RESEARCH DEPARTMENT OF COMPUTER SCIENCE

THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE
(AUTONOMOUS), TIRUCHIRAPPALLI-23.



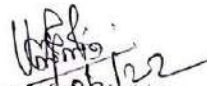
CERTIFICATE

This is to certify that the project work entitled "MY TUBE", submitted in partial fulfillment of the requirements for the award of the degree of **Master of Science in Computer Science** to Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli-23 affiliated to Bharathidasan University is a bonafide record of the Project work done by **M. NAGALAKSHMI (Register No: 20PCS22)** during the even semester of the academic year 2021-2022.

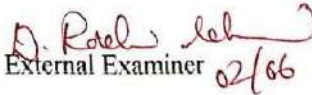

Head of the Department
01/06/22

துணைத் தலைவர்,
கணினி அறிவியல் துறை,
துணைப் பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.

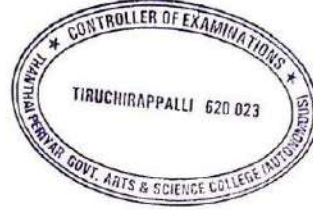
Viva-Voce examination held on.....02/06/22.....


Signature of the Guide


Internal Examiner
02/06/22


External Examiner
02/06

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE
COLLEGE (Autonomous)
TIRUCHIRAPPALLI – 620 023



CERTIFICATE

This is to certify that the project work entitled “College Admission System”, submitted in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the work done by **M. LAVANYA (Reg. No: 20PCS21)** during the even semester of the academic year 2021 - 2022.

Signature of the
துறைத் தலைவர்,
Head of the Department

தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (ஆன்சையர்-சி)
Viva-voce examination for this project work held on 02/06/22
தருச்சிரப்பள்ளி-620 023.

External Examiner

Signature of the Guide
31/5/22

Internal Examiner

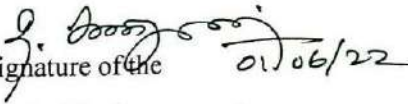
PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)

TIRUCHIRAPPALLI – 620 023



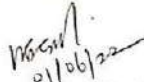
CERTIFICATE

This is to certify that the project work entitled “CLIENT SERVER BASED LIVE MEETING”, submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the work done by **G.ELAKKIYAVALLI** (Reg. No: **20PCS20**) during the even semester of the academic year 2021 - 2022.


Signature of the


Head of the Department

திருமதி த.சைலவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி,
திருச்சிராப்பள்ளி.


Signature of the Guide

Viva-voce examination for this projectwork held on 02.06.2022.


Internal Examiner


External Examiner
02/06/22

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)

TIRUCHIRAPPALLI – 620 023



CERTIFICATE

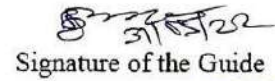
This is to certify that the project work entitled “**Online seat allocation in food courts using vscode**”, submitted in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the work done by **S.BIRUNDHA** (Reg. No: 20PCS18) during the even semester of the academic year 2021 - 2022.


Signature of the

Head of the Department

கணிசின் அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
Tiruchirappalli-620 023.

Viva-voce examination for this project work held on


Signature of the Guide

Dr. T. N. RAVI, M.Sc., M.Phil., Ph.D.,
M.Sc.(Maths), B.Ed.(Maths), PGDCA., M.Sc.(VIT)
Assistant Professor of Computer Science
Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli- 620 023

02-06-2022


Internal Examiner

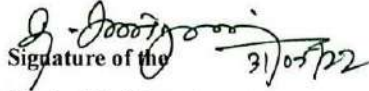

External Examiner 02/06/22

**PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous), TIRUCHIRAPPALLI – 620 024**



CERTIFICATE

This is to certify that the project work entitled "VIRTUAL TAMIL KEYBOARD", submitted in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 24, affiliated to Bharathidasan University is a bonafide record of the work done by **B.ARUNA (Reg. No: 20PCS17)** during the even semester for the academic year 2021 - 2022.

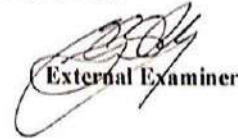

Signature of the


Signature of the Guide

Head of the Department
துறைத் தலைவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023

Viva-voce examination for this project work is held on 02.06.2022

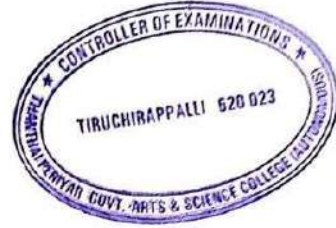

Internal Examiner


External Examiner

**P.G. and RESEARCH DEPARTMENT OF COMPUTER
SCIENCE**

**THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)**

TIRUCHIRAPPALLI – 620 023

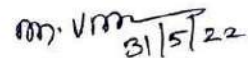


CERTIFICATE


This is to certify that the project work entitled “**ONLINE BOOK REVIEW MANAGEMENT SYSTEM USING JSP AOL APP**”, submitted in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the work done by **T.ABIRAMI(Reg. No: 20PCS16)** during the even semester of the academic year 2021 - 2022.


Head of the Department

துறைத் தலைவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
வாய்-வாய்-பரீட்சை (Viva-voce examination) for this project work held on 02-06-2022
Tiruchirappalli 620 023.

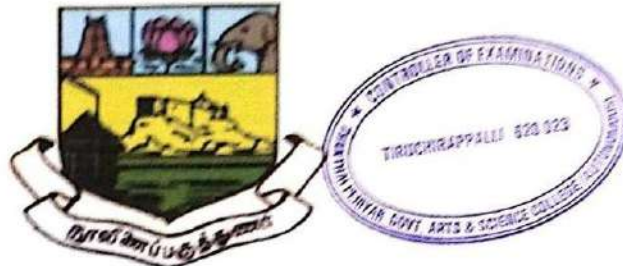

Signature of the Guide


Internal Examiner


External Examiner

P.G. & RESEARCH DEPARTMENT OF COMPUTER SCIENCE

THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE
(AUTONOMOUS), TIRUCHIRAPPALLI-23.



CERTIFICATE

This is to certify that the project work entitled "COMPUTERIZATION OF ELECTRICAL VEHICLES CHARGING STATION", submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Computer Science to Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli-23 affiliated to Bharathidasan University is a bonafide record of the Project work done by VIGNESH A (Register No: 20PCS13) during the even semester of the academic year 2021-2022.

[Signature]
Head of the Department
02/06/22

தலைவர், கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு அறிவியல்
கல்லூரி (தனிமயம்),
திருச்சிரப்பள்ளி
Viva-Voce examination held on 02/06/22

[Signature]
Signature of the Guide

[Signature]
Internal Examiner

[Signature]
External Examiner 02/06/22

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)


TIRUCHIRAPPALLI – 620 023

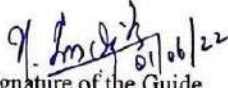


CERTIFICATE

This is to certify that the project work entitled “**ONLINE AGRICULTURE SHOP**”, submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23

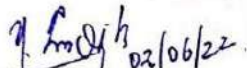
affiliated to Bharathidasan University is a bonafide record of the work done by **S.VASANTHAKUMAR (Reg. No: 20PCS12)** during the even semester of the academic year 2021 - 2022.


Signature of the
தலைவர்,
Head of the Department
அறிவியல் கல்வியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.


Signature of the Guide

Viva-voice examination for this project work held on

02/06/22


Internal Examiner


External Examiner

CERTIFICATE

This is to certify that the project work entitled "**ONLINE EXAMINATION SYSTEM**", submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 affiliated to Bharathidasan University is a bonafide record of the project work done by **SATHISHKUMAR.R (Reg. No: 20PCS10)** during the even semester of the academic year 2021 - 2022.



Signature of the Guide &

Head of the Department

கனினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (குன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.

Viva- voce examination for this project work held on 02.06.2022


Internal Examiner


External Examiner



Research Supervisor

Dr.R.Senthilkumar M.Sc., M.Phil., Ph.D., PGDCA

Associate Professor and Head

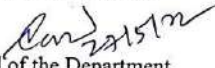
Department of Biochemistry

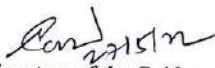
Thanthai Periyar Government Arts And Science College(A)


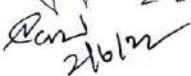
Tiruchirappalli - 620 023.

CERTIFICATE

This is to certify that the dissertation entitled "ANTI-CANCER ACTIVITY OF SYNTHESIZED SILVER NANOPARTICLES USING LEAVES OF BREYNIA RETUSA ON BREAST CANCER CELL LINES" is a bonafide record of work done by I.KARPAGAM (Reg.No:18PBC11) in the PG DEPARTMENT of Biochemistry Thanthai Periyar Government Arts And Science College.(Autonomous), Tiruchi-6200023. In partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE BIO-CHEMISTRY during the academic period 2020-2022 in the Department of Bio-Chemistry under my guidance and supervision and the project work has not previously formed the basis for the award of any degree, diploma, associate ship of any other similar title..


Head of the Department
Head Of the Department,
Department of Biochemistry,
Thanthai Periyar Government Arts and
Science College (Autonomous),
Tiruchirappalli - 620 023.


Signature of the Guide
Dr. R. SENTHILKUMAR,
Assistant Professor & Head,
Department of Biochemistry,
Thanthai Periyar Govt. Arts & Science College (A),
Tiruchirappalli - 620 023.

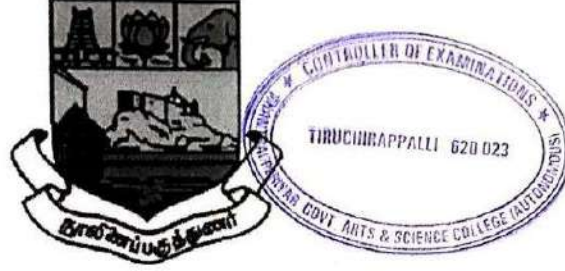
EXAMINERS
1.  2.6.2022
2. 

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE

THANTHAI PERIYAR GOVERNMENT ARTS and SCIENCE COLLEGE

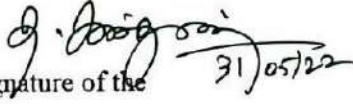
(Autonomous),

TIRUCHIRAPPALLI – 620 023



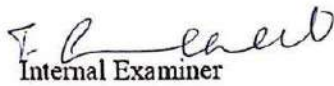
CERTIFICATE

This is to certify that the project work entitled “FINGERPRINT MATCHING”, submitted in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli – 23, affiliated to Bharathidasan University is a bonafide record of the work done by **R.MAHENDHIRAN (Reg.No:20PCS07)** during the even semester of the academic year 2021 - 2022.


Signature of the

Head of the Department
துறைத் தலைவர்,
கணிணி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.

Viva-Voce examination of this project work is held on 02.06.2022


Internal Examiner


Signature of the Guide


External Examiner

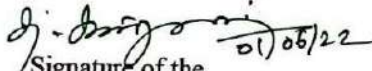
P.G. AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE
(Autonomous)

TIRUCHIRAPPALLI - 620 023



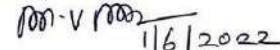
CERTIFICATE

This is to certify that the project work entitled "Build a online MCQ web App with Javascript (QWAPP)", submitted in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN COMPUTER SCIENCE to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 affiliated to Bharathidasan University is a bonafide record of the work done by S.HARIHARAN (Reg. No: 20PCS06) during the even semester of the academic year 2021 - 2022.

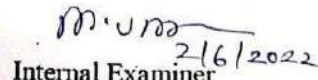

Signature of the

Head of the Department
துறைத் தலைவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023

Viva-voce examination for this project work held on 02/06/2022


Signature of the Guide


External Examiner


Internal Examiner


PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)

TIRUCHIRAPPALLI – 620 023



CERTIFICATE

This is to certify that the project work entitled “**PET PARADISE**”, submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the work done by **V.DHARMA (Reg. No: 20PCS05)** during the even semester of the academic year 2021 - 2022.


Signature of the 
31/05/22


Head of the Department


31.5.22
Signature of the Guide

Viva- voce examination for this project work held on 02-06-2022.

துறைத் தலைவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.

Internal Examiner 
2.6.22


External Examiner

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(AUTONOMOUS),TIRUCHIRAPPALLI – 620 023.



CERTIFICATE

This is to certify that the project work entitled "LOAN MANAGEMENT SYSTEM", submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the project work done by **M.DANIEL VINCENT(Reg. No: 20PCS04)** during the even semester of the academic year 2021 - 2022.

Head of the Department

துறைத் தலைவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-620 023.

Signature of the Guide

Viva- voce examination of this project work held on 22/06/2022.

Internal Examiner

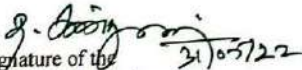
External Examiner

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)
TIRUCHIRAPPALLI - 620 023



CERTIFICATE


This is to certify that the project work entitled "ONLINE STUDENTS INFORMATION SYSTEM", submitted in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN COMPUTER SCIENCE to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 affiliated to Bharathidasan University is a bonafide record of the work done by **G.CHIDAMBARAKANNAN (Reg. No: 20PCS03)** during the even semester of the academic year 2021 - 2022.


Signature of the Head of PG & Research Department,
கணினி அறிவியல் துறை,
தாழ்வு பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (ஆன்சைட்.சி),
திருச்சிராப்பள்ளி-620 023.

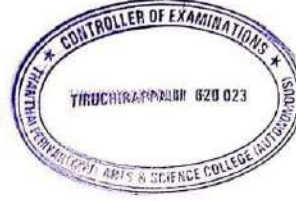

Signature of the Guide

Viva-voice examination for this project work held on 09-06-2022


Internal Examiner



External Examiner

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
(Autonomous)
TIRUCHIRAPPALLI – 620 023



CERTIFICATE

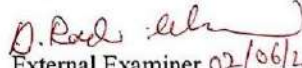
This is to certify that the project work entitled “**Online Train Ticket Booking System Through Web Application**”, submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the work done by **G.BHAGIYARAJ (Reg. No: 20PCS02)** during the even semester of the academic year 2021 - 2022.


Head of the Department
குறைந்த தலைவர்,
கணினி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி),
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Signature of the Guide

Viva- voce examination for this project work held on 02-06-2022


Internal Examiner


External Examiner 02/06/22

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE

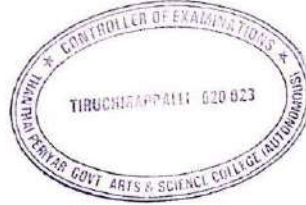
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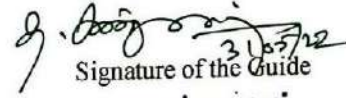
TIRUCHIRAPPALLI – 620 023



CERTIFICATE

This is to certify that the project work entitled “RTO OFFICE ADMINISTRATION AND VEHICLE NUMBER PLATE DETECTION USING OTP”, submitted in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23 affiliated to Bharathidasan University is a bonafide record of the project work done by **N. ARAVIND (Reg. No: 20PCS01)** during the even semester of the academic year 2021 - 2022.




Signature of the Guide

குறைத் தலைவர்,
கணிணி அறிவியல் துறை,
தந்தை பெரியார் அரசு கலை மற்றும்
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Viva- voce examination of this project work held on 02/05/2022.


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External Examiner

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Tiruchirappalli - 23

CERTIFICATE

That is certify that the dissertation entitled "A STUDY ON CONSUMAR
ATTITUDE TOWARDS GOLD LOAN OFFERED BY CANARA BANK WITH
REFERENCE TO ERIYODU BRANCH IN DINDIGUL DISTRICT" submitted by
Mr. P.NEELAN (Reg. No: 20PCO10) in partial fulfillment of the requirement for the
award of the Degree of Master of Commerce is a bonafied record of the work carried out by
himself during the year 2021-22 under my guidance and supervision. It is certify that this
dissertation has not been submitted elsewhere for the award of any other Degree, Diploma,
and Associateship, Fellowship or any other similar titles

Place: Trichy-23

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K. Angammal
31/3/22
Signature of the HOD
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CERTIFICATE

That is certify that the project work entitled A STUDY ON CONSUMEWR PREFERENCES TOWARDS NEWSPAPER IN TIRUCHIRAPALLI DISTRICT submitted by K. SUSHMITHA in partial fulfillment of the requirement for the award of the Degree of Master of Commerce is a benefited record of work carried out by himself during the year 2020-2022 under my guidance and supervision. It is certificate that this dissertation has not been submitted elsewhere for the award of any other Degree, Diploma, and Associateship, Fellowship or any other similar titles.

Date: 31/5/2022

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CERTIFICATE

This is to certify that the dissertation entitle "ANTI - INFLAMMATORY ACTIVITY OF ETHANOL EXTRACT OF PTEROCARPUS INDICUS FLOWER"Is a bonafide record of work done by D.DHARANI (Reg.No 20PBC10) In. the PG AND RESEARCH DEPARTMNT OF BIOCHEMISTRY THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE(Autonomous),Trichy-6200023.In partial fulfillment of the requirements for the award of the degree of MASTEROF SCIENCE IN BIOCHEMISTRY during the academic period 2020-2022 in the Department of Biochemistry under my guidance and supervision and the project work has not previously formed the basis for the award of any degree, diploma associate ship fellowship of any other similar title

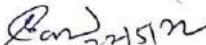

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CERTIFICATE

This is certify that project work entitled "A STUDY ON CONSUMER TASTE AND PREFERENCE TOWARDS ARUN ICE CREAM IN THIRUCHIRAPALLI" is a bonafide record of work done by A.SRIMATHI (REGISTER NUMBER 20PCO28) in partial fulfillment of the requirements for the award of the degree of **Master of Commerce** of the Thanthai periyar Arts & Science College (Autonomous), Thiruchirappalli - 620 023 is the original work of the candidate.



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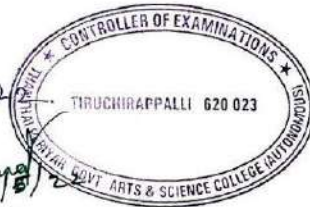
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CERTIFICATE

That is certify that the dissertation entitled "A STUDY ON CUSTOMER SATISFACTION OF REDMI PHONES IN TIRUCHIRAPPALLI DISTRICT" submitted by Ms. M. SOBIYA MARY (Reg No; 20PCO27) in partial fulfilment of the requirement for the award of the Degree of Master of Commerce in commerce is a benefited record of the work carried out by himself during the year 2021-22 under my guidance and supervision. It is certificate that this dissertation has not been submitted elsewhere for the award of any other Degree, Diploma, and Associate ship, Fellowship or any other similar titles

Place: Trichy-23

Date: 31-5-2022



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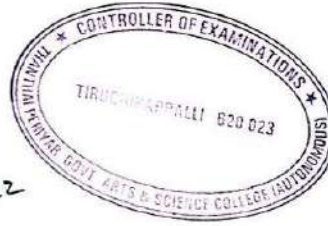
Tiruchirappalli – 23

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON BRAND LOYALTY TOWARDS CADBURY DAIRY MILK PRODUCT IN TIRUCHIRAPPALLI TOWN" submitted by K. SEBASTHIAMMAL, in partial fulfillment of the requirements for the award of the Degree of Master of Commerce in is a bonafide record of work carried out by himself during the year 2021 – 2022 under my guidance and supervision.

Place : Tiruchirappalli

Date : 31.5.22



K. Sebastian
31/5/22
Signature of H.O.D

Head of the Department
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Date : 31-05-2022

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS ONLINE SHOPPING IN TRICHY CITY" is a bonafied record of work done by S.MALATHI (Reg .20PCO25) in partial fulfillment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2021 - 2022 at PG & Research Department Of Commerce, Thanthai Periyar Government Arts and Science College , (Autonomous) , Tiruchirappalli.



K. Srinivasan
31/05/22
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J. Lalitha
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Tiruchirapalli-620 023.

CERTIFICATE

This is to certify that the dissertation entitled "WASTE MANAGEMENT SYSTEM IN MULTI SPECIALITY WITH SPECIAL REFERENCE IN TRICHY DISTRICT " submitted by Miss. S. KEERTHANA in partial fulfillment of the requirements for the award of the Degree of Master of Commerce in commerce is a bonafide record of work carried out by herself during the year 2020 – 2022 under my guidance and supervision. It is certified that this dissertation has not been submitted else where for the award of any other degree, diploma, associate ship, fellowship or any other similar titles.



SIGNATURE OF THE EXTERNAL EXAMINER

N. Santhi
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Head of the Department
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R. Pugazhendran
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Tiruchirappalli – 620 023.

Date: 31/05/2022

CERTIFICATE

This is to certify that the dissertation entitled “A STUDY ON CONSUMER PREFERENCE TOWARDS SHOPPING MALLS WITH REFERENCE TO DMART IN TIRUCHIRAPPALI CITY” done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), affiliated to the Bharathidasan University in partial fulfillment of the requirements for the award of the Degree of **MASTER OF COMMERCE** is a bonafide record of the work done by P. JEEVA (Reg.No:20PC023) in the Post Graduate & Research Department of Commerce, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli – 23 during the year 2021 – 2022.


signature of Head of the department
Head of the Department
P.G. and Research Dept. of Commerce
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CERTIFICATE

That is certify that the dissertation entitled "A STUDY ON PERCEPTION TOWARDSTOOTH PASTE IN KEELAVELI, ARIYALUR DISTRICT " submitted by C.ESWARI(Reg No; 20PCO22) in partial fulfilment of the requirement for the award of the Degree of Master of Commerce in commerce is a benefited record of the work carried out by himself during the year 2021-22 under my guidance and supervision. It is certificate that this dissertation has not been submitted elsewhere for the award of any other Degree, Diploma, and Associate ship, Fellowship or any other similar titles

Place: Trichy-23

Date: 31-05-22



K. Suganand
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Signature of the HOD

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N. Saini 24/6/22
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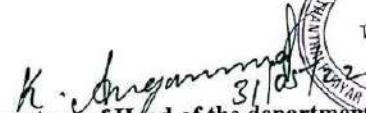
Prof. Dr. (Mrs) N. SAVITHRI, M.Com., M.Phil., Ph.D.,
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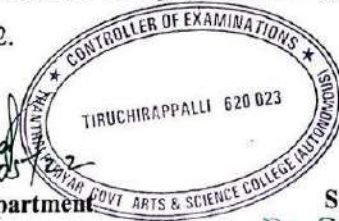
Dr. S. UMA PRABHA, M.Com., M.B.A., M.Phil., B.Ed., Ph.D.,
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Date: 31/05/2022

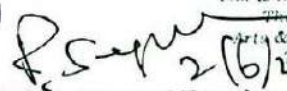
CERTIFICATE

This is to certify that the dissertation entitled “A STUDY ON CONSUMER PREFERENCE TOWARDS SELECTED ELECTRONIC PRODUCTS – THIRUVERUMBUR TALUK” done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), affiliated to the Bharathidasan University in partial fulfillment of the requirements for the award of the Degree of **MASTER OF COMMERCE** is a bonafide record of the work done by P. DHIVYA (Reg.No:20PC021) in the PG & Research Department of Commerce, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli – 23 during the year 2021 – 2022.


Signature of Head of the department
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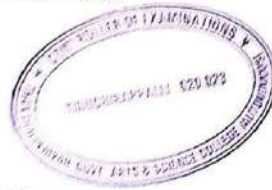
Dr. K. ANGAMMAL, M.Com., M.Phil., M.B.A., Ph.D.,
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CERTIFICATE

That is certify that the dissertation entitled "A STUDY ON CUSTOMER PERCEPTION TOWARDS AIRTEL 4G NETWORK SERVICES WITH SPECIAL PREFERENCE TO TRICHY DISTRICT" submitted by Mr. S. DHARSHINI (Reg. No; 20PCO19) in partial fulfilment of the requirement for the award of the Degree of Master of Commerce is a bonafide record of the work carried out by herself during the year 2021-22 under my guidance and supervision. It is certify that this dissertation has not been submitted elsewhere for the award of any other Degree, Diploma, and Associate ship, Fellowship or any other similar titles.

Place: Trichy-23

Date:



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N. Samin
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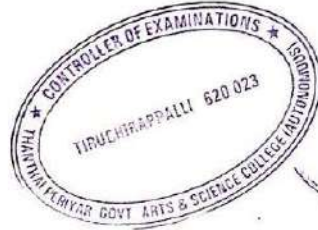
Tiruchirappalli – 23.

CERTIFICATE

This is to certify that the Project Work entitled A STUDY ON CUSTOMER SATISFACTION ON GOOGLE PAY AND PHONEPE – WITH SPECIAL REFERENCE TO TIRUCHIRAPPALLI TOWN submitted by S.BHUVANESWARI, in partial fulfillment of the requirements for the award of the Degree of Master of Commerce in is a bonafide record of work carried out by herself during the year 2021 – 2022 under my guidance and supervision.

Place: Trichy

Date : 31.5.22



K. Sugunakshmi
31/05/22
Signature of the H.OD

Head of the Department
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Dr. D. Balasubramanian
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CERTIFICATE

This is to certify that the dissertation entitled "**Isolation, Biochemical characterization, Antibiotic resistance and screening of amylase production in bacterial isolates from soil Sample from Vayalur area, Tiruchirappalli district**" is a record of project work done by **DEVI. V (Reg. No: 20PBC09)** under my supervision for the award of the Degree of **MASTER OF SCIENCE** in Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

V. Devi
Candidate Signature

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CERTIFICATE

This is certify that the project work entitled "A STUDY ON
QUALITY WORK LIFE OF THE EMPLOYEES OF PLA NISSON,
TIRUCHIRAPPALLI " Submitted by **S ARUL PRADEEPA MARY**,
Reg.No.20PCO18, in partial fulfilment of the requirement for the
award of the degree of **MASTER OF COMMERCE**, during the year
2021- 2022 at PG & Research Department of Commerce, Thanthai
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CERTIFICATE

This is to certify that the dissertation entitled “A STUDY ON CONSUMERS BEHAVIOUR TOWARDS ROYAL ENFIELD BIKES IN TIRUCHIRAPPALLI TOWN” done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), affiliated to the Bharathidasan University in partial fulfillment of the requirements for the award of the Degree of **MASTER OF COMMERCE** is a bonafide record of the work done by K. ABITHA (Reg.No:20PC017) in the Post Graduate & Research Department of Commerce, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli – 23 during the year 2021 – 2022.

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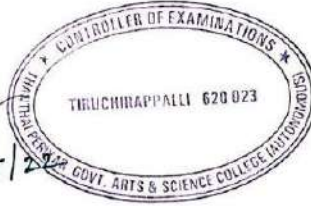
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This is to certify that the Project work entitled “PERFORMANCE OF CO-OPERATIVE BANKS” is a bonafied record or work done by P. VIJAY (Reg. No. 20PCO16) in partial fulfilment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2020 – 2022 at PG & Research Department of Commerce, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli -23.



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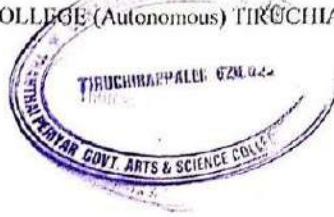
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This is to certify that the Project work entitled "A STUDY ON CUSTOMER WILLINGNESS TOWARDS RE-ENTER OF MAGGI NOODLES IN TIRUCHIRAPALLI TOWN" is a bonafied record or work done by L. TAMILARASAN (Reg. No. 20PCO15) in partial fulfillment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2021 - 2022 at PG & Research Department of Commerce, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous) TIRUCHIAPPALLI-620 023.



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CERTIFICATE

That is certify that the project work entitled A STUDY ON EMPLOYEES JOB SATISFACTION TOWARDS HONDA MOTORS COMPANY LTD WITH SPECIAL REFERENCE TO TRICHY TOWN submitted by E.SAMPATH in partial fulfillment of the requirement for the award of the Degree of Master of Commerce is a benefited record of work carried out by himself during the year 2020-2022 under my guidance and supervision. It is certificate that this dissertation has not been submitted elsewhere for the award of any other Degree, Diploma, and Associateship, Fellowship or any other similar titles.

Date: 31-05-2022

Place: Trichy-23



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This is to certify that the Project work entitled "A STUDY ON AWARENESS AND LEVEL OF SATISFACTION OF MONEY ACCESS CARD HOLDERS IN KARUR TOWN INTERVIEW SCHEDULE" is a bonafied record or work done by V. SAMBATHRAJ (Reg. No. 20PCO13) in partial fulfilment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2020-2022 at PG & Research Department of Commerce, Thanthai Periyar Arts and Science College (Autonomous), Tiruchirappalli.



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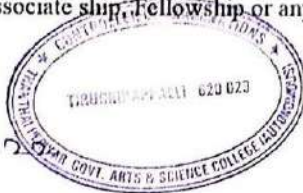
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CERTIFICATE

That is certify that the dissertation entitled "A STUDY ON CUSTOMER PERCEPTION TOWARDS 4G NETWORK SERVICES - WITH SPECIAL REFERENCE TO ATTUR TALUK SALEM DISTRICT " submitted by Mr. P. PRASANNAKUMAR (Reg No; 20PCO12) in partial fulfilment of the requirement for the award of the Degree of Master of Commerce in commerce is a benefited record of the work carried out by himself during the year 2021-22 under my guidance and supervision. It is certificate that this dissertation has not been submitted elsewhere for the award of any other Degree, Diploma, and Associate ship, Fellowship or any other similar titles

Place: Trichy-23

Date: 31-05-2022



H. Suguna Lakshmi
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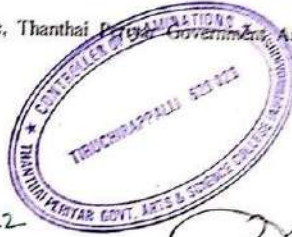
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Date: 1. 31/05/22

CERTIFICATE

This is to certify that the Project work entitled "PERCEPTION OF POST GRADUATE STUDENTS TOWARDS ENTREPRENEURSHIP - A REPORT" is a bonafied record or work done by P. NITHISH (Reg. No. 20PCO11) in partial fulfillment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2021- 2022 at PG & Research Department of Commerce, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli.



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P. Sugunalakshmi
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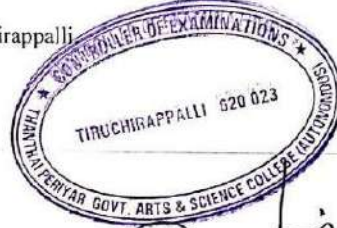
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CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON EMPLOYEES SATISFACTION TOWARDS THEIR JOB IN TATA MOTORS FINANCE LTD." is a bonafied record or work done by S.KRISHNAKUMAR (Reg. No. 20PCO08) in partial fulfilment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2021- 2022at PG & Research Department of Commerce, Thanthai Periyar Arts and Science College (Autonomous), Tiruchirappalli



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This is to certify that the dissertation entitled "**Phytochemical analysis, Anti-microbial and Anti-oxidant activity of *Origanum vulgare* (Karpuravalli) polar extracts**" is a record of project work done by **BABY DIVYA. K (Reg. No. 20PBC08)** under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

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Guide Signature

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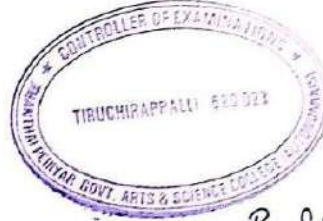
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This is to certify that the Project work entitled “A STUDY ON CONSUMER PREFERENCE TOWARDS CONSUMPTION OF SOFT DRINKS IN TIRUCHIRAPALLI TOWN” is a bonafied record of work done by K.KAVIYARASAN (Reg. No. 20PCO07) in partial fulfilment of the requirements for the award of the Degree of MASTER OF COMMERCE during 2021 – 2022 at PG & Research Department of Commerce,Thanthai Periyar government arts & science College (Autonomous), Tiruchirappalli.



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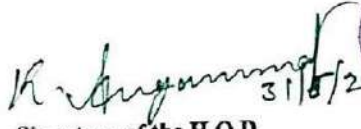
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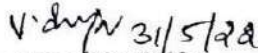
Date: 31-5-2022


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This is to certify that the Project work entitled **"CONSUMER PREFERENCE TOWARDS ZOMATO IN TIRUCHIRAPPALLI TOWN"** is a bonafied record or work done by **M. DHARMARAJ (Reg. No. 20PCO05)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF COMMERCE** during 2021 - 2022 at PG & Research Department of Commerce, **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous) TIRUCHIAPPALLI-620 023.**


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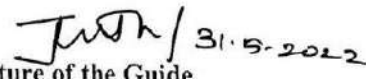
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CERTIFICATE


Date **31.5.2022**

This is to certify that the Project work entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS PULSAR (BAJAJ) WITH SPECIAL REFERENCE TO TRICHY TOWN" is a bonafied record or work done by N. BALAMURUGAN (Reg. No. 20PCO02) in partial fulfillment of the requirements for the award of the Degree of **MASTER OF COMMERCE** during 2021 – 2022 at PG & Research Department of Commerce, **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous) TIRUCHIAPPALLI-620 023.**


Signature of the H.O.D
Head of the Department
P.G. and Research Dept. of Commerce
Thanthai Periyar Govt.
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.


Signature of the Guide

Dr. J. LALITHA,
M.Com., M.Phil., M.B.A., B.Ed., Ph.D.,
Associate Professor & Research Advisor,
P.G. and Research Dept. of Commerce
Thanthai Periyar Govt.
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.


Signature of the External Examiner


Dr. P. SUGUNALAKSHMI,
M.Com., M.Phil., PGDAOR., PGDCA., Ph.D
Associate Professor & Research Adviser
PG & Research Dept. of Commerce
Seethalakshmi Ramaswami College
Member Syndicate, Bharathidasan University
Tiruchirappalli - 620 002

Dr. C. PARAMASIVAN, Ph.D.
Assistant Professor
PG & Research Department of Commerce
Thanthai Periyar Government Arts and Science
College(Autonomous)Tiruchirapalli-620 023.

Date: 31.05.22

CERTIFICATE

This is to certify that the Project work entitled "A **STUDY ON GST REVENUE COLLECTION**" is bonafide record or work done by **S. ABINRAJ (Reg. No. 20PCO01)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF COMMERCE** during 2020– 2022 at PG & Research Department of Commerce, Thanthai Periyar Arts and Science College (Autonomous), Tiruchirappalli.



Signature of the H.O.D

Head of the Department
P.G. and Research Dept. of Commerce
Thanthai Periyar Govt.
& Science College (Autonomous).
TIRUCHIRAPPALLI-620 023.




Signature of the Guide

Dr. C. PARAMASIVAN, Ph.D.,
Assistant Professor of Commerce
PERIYAR EVR COLLEGE
Tiruchirappalli - 620 023


Signature of the External Examiner

Dr. P. SUGUNALAKSHMI,
M.Com., M.Phil., PGDADR., PGDCA, Ph.D.
Associate Professor & Research Advisor
PG & Research Dept. of Commerce
Seethalakshmi Ramaswami College
Member Syndicate, Bharathidasan University
Tiruchirappalli - 620 002.

Dr. C. PRAGATHIESWARAN
M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG & Research Department of Chemistry,
Thanthai Periyar Govt Arts & Science College (A),
Affiliated to Bharathidasan University,
Tiruchirappalli-620 023, Tamil Nadu, India.
E-mail: pargathish46@gmail.com



CERTIFICATE

This is to certify that the dissertation entitled "Synthesis and Characterization of Chitosan/Ag Nanocomposite for the Reduction of Aromatic Nitrocompound" submitted to the Post Graduate and Research Department of Chemistry, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** for the academic year 2021-2022 is a bona fide record of the work done by **Ms. K. VANITHA (20PCH25)** under my guidance.



Dr. C. Pragathieswaran
Head of the Department
தலைவர் சி. தங்கவேலு
தலைமையகத் துறை
தந்தை பெரியார் அரசு கலை
மன்றம் அறிவியல் கல்வி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

Dr. C. Pragathieswaran
Research Supervisor

Dr. C. PRAGATHISWARAN
Assistant Professor of Chemistry
Thanthai Periyar Government
Arts & Science College
Tiruchirappalli - 620023

Examiners

1). *Dr. R. Jagutharivalan*
Dr. R. JAGUTHARIVALAN,
M.Sc., M.Phil., Ph.D., MISTE., FICS.
Assistant Professor
PG & Research Department of Chemistry
The Rajah's College (Autonomous)
Pudukkottai-622 001
Tamil Nadu

Dr. K. Thanikasalan
Dr. K. THANIKASALAN
Asst. Professor 09/6/22
Department of Chemistry
Periyar E.V.R. College (Autonomous)
Tiruchirappalli - 620 023.

Dr. P. SUBRAMANI M.Sc., Ph. D

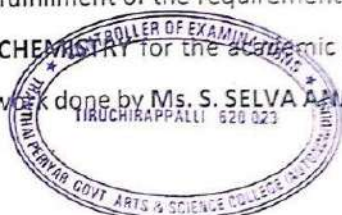
Assistant Professor

PG and Research Department of Chemistry,
THANTHAI PERIYAR GOVERNMENT ARTS
AND SCIENCE COLLEGE(Autonomous),
Affiliated to Bharathidasan University,
Tiruchirappalli-620 023,
Tamil Nadu, India.



CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS AND CHARACTERISATION OF CHITOSAN-TiO₂ NANOCOMPOSITE FOR REDUCTION OF NITROBENZENE" submitted to the PG and Research Department of Chemistry, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of MASTER OF SCIENCE IN CHEMISTRY for the academic year 2020-2022 is a bonafide record of the work done by Ms. S. SELVA ANANTHI (20PCH24) under my guidance.



[Signature]
Head of the Department

HEAD OF THE DEPARTMENT
PG & RESEARCH DEPT. OF CHEMISTRY
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

[Signature]
Research Supervisor
Assistant Professor
PG & Research Dept of Chemistry
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE
Tiruchirappalli - 620 023

Examiner

1. *[Signature]*
2. *[Signature]*
02.06.22

Dr. P. PANDIAN, M.Sc., M.Phil., Ph.D.
ASSOCIATE PROFESSOR OF CHEMISTRY
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE
COLLEGE (Autonomous)
TIRUCHIRAPPALLI – 620 023



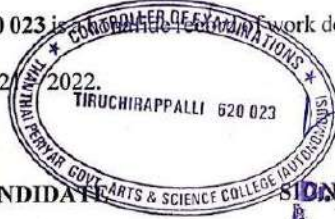
CERTIFICATE

30/5/22

This is to certify that the Dissertation entitled "REMOVAL OF MALACHITE GREEN DYE ONTO ACTIVATED *PHOENIX DACTYLIFERA* SEEDS" is submitted by **V.P.JOY PRICILLA (Reg. No: 20PCH22)** in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN CHEMISTRY** to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 023** is a **CONTROLLED DEGREE** work done by her under my guidance during the period of study 2021-2022.

V.P. Joy Pricilla

SIGNATURE OF THE CANDIDATE



SIGNATURE OF THE GUIDE

Dr. P. Pandian, Ph.D.
Associate Professor
PG and Research Dept. of Chemistry
Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli - 620 023.

SIGNATURE OF THE HOD

தந்தை பெரியார் அரசு கலை
வெதியியல் துறை
தந்தை பெரியார் அரசு கலை
மன்றம் அறிவியல் கல்லூரி (தஞ்சாவூர்)

Submitted for the Viva – Voce Examination held on 03.05.2022.

Internal Examiner

External Examiner

Research Supervisor

Dr. A. FARITHA, M.Sc., M.Phil., B.Ed., Ph.D.,
Associate Professor, Department of Chemistry,
Thanthai Periyar Govt. Arts & Science College (Autonomous),
Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the dissertation entitled "BIOCIDAL PROPERTIES OF TIN DIOXIDE NANOPARTICLES PREPARED BY GREEN SYNTHESIS" submitted by K. JANANI(20PCH21) in partial fulfillment of the requirements of the MASTER OF SCIENCE IN CHEMISTRY during the period 2020-2022 is the original work of the candidate.



A. Faritha
Signature of the Guide

[Handwritten Signature]
Signature of Head of the Department
புலவர் கி. தங்கவேலு
கிடைசுப்பேரளம் & துறைத்தொண்டர்
மன்றம் துறை
தஞ்சை மாவட்ட அரசு கலை
மன்றம் அறங்காணம் (ஆன்.அ.அ.அ.)
திருச்சிராப்பள்ளி - 620 023

Viva-vice Examination held on.....*02/6/22* Signature of the External Examiner

Dr. K. Thanthasalam
Dr. K. THANTHASALAM
Associate Professor
Department of Chemistry
Periyar E.V.R. College (Autonomous)
Tiruchirappalli - 620 023.

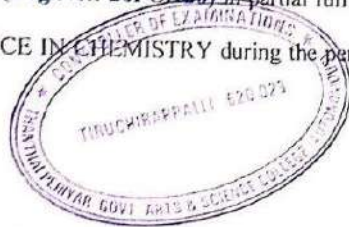
[Handwritten Signature]
Dr. R. PAGU MARINALAN,
M.Sc., M.Phil., Ph.D., MISTE., FICS.,
Assistant Professor
UG & Research Department of Chemistry
J. The Rajah's College (Autonomous),
Pudukkottai-622 001
Tamil Nadu

Dr.T.VIMALARANI, M.Sc., M.Phil., B.Ed., Ph.D
Assistant Professor
PG and Research Department of Chemistry
Thanthai Periyar Government Arts and Science College (Autonomous)
Tiruchirappalli - 620 023.

Date: _____

CERTIFICATE

This is to certify that the Project work was done under my guidance entitled
**"STRUCTURAL, MORPHOLOGICAL, OPTICAL AND ANTIBACTERIAL
ACTIVITY OF CHITOSAN DOPED TIN DIOXIDE NANOPARTICLES "** submitted
by **Miss.R.ISHWARIYA (Reg.No.: 20PCH20)** in partial fulfillment of the requirements of
the **MASTER OF SCIENCE IN CHEMISTRY** during the period 2020-2022 is the original
work of the candidate.



T. Vimalarani
Research Supervisor *31/05/2022*
PG & RESEARCH DEPT. OF CHEMISTRY
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

Viva Voce Examination held on *21/6/22*

[Signature]
Head of the Department of Chemistry
தந்தை பெரியார் கலை அறிவியல் கல்லூரி
தஞ்சை அரசினர் கலை அறிவியல்
கல்லூரி, தஞ்சை - 620 023

Dr. T. Vimalarani
INTERNAL EXAMINER *02/06/2022*
Dr. T. VIMALARANI

[Signature]
EXTERNAL EXAMINER
Dr.R.PAGITMAKUMARALAM,
M.Sc., M.Phil., Ph.D., MISTE., FICS.
Assistant Professor
PG & Research Department of Chemistry
The Rajah's College (Autonomous)
Pudukkottai-622 001
Tamil Nadu

Dr. C. AIYAVU
Assistant Professor
PG & Research Department of Biochemistry
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Tiruchirappalli-23.



CERTIFICATE

This is to certify that the dissertation entitled "Collection and Identification of *Oscillatoria sp* based on *16srRNA* molecular markers" is a record of project work done by **Anandhajothi. N (Reg. No: 20PBC07)** under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

N. Anandhajothi
Candidate Signature

CPJ
26/1/2022
Guide Signature

Ram
26/1/22
Signature of Head of the Department
Head Of the Department,
Department of Biochemistry,
Thanthai Periyar Government Arts and
Science College (Autonomous),
Tiruchirappalli - 620 023.

Examiner
1. *Jagunathai*
26.2.2022
2. *CPJ*
26/1/2022



**THANTHAI PERIYAR GOVERNMENT ARTS
AND SCIENCE COLLEGE (Autonomous)
TIRUCHIRAPPALLI - 620 023**

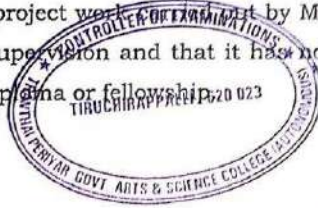
**Dr. N. KUMARAGURU, Ph.D.,
Assistant Professor**

DEPARTMENT OF CHEMISTRY
Phone: 0431 - 2420079
Mobile: 94863 43166
e-mail: nkguru@gmail.com

Date: 31.05.2022

CERTIFICATE

This is to certify that the project entitled "Synthesis of a green inhibitor and its inhibition behavior on AZ 91D Magnesium alloy" the bonafide Record of the original project work submitted by Miss. T. CHITHRA (Reg. No. 20PCH19) under my supervision and that it has not formed the basis for the award of any degree, diploma or fellowship.



[Handwritten Signature]
Signature of HOD

முனைவர் பி. தங்கவேலு
கலைப்பேராயிரியர் & துறைந்தலைவர்
வேதியியல் துறை
தந்தை பெரியார் அரசு கலை
மன்றம் அறிவியல் கல்லூரி (தஞ்சாவூர்)
திருச்சிராப்பள்ளி - 620 023

[Handwritten Signature]
31.5.2022
Signature of the Guide

Viva-Voce Examination held on 21/6/22

Signature of the Examiners

1. *[Handwritten Signature]*
02.06.22

2. *[Handwritten Signature]*
21/6/22
(Dr. P. Parvathi)

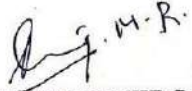
Dr. P. PANDIAN, M.Sc., M.Phil., Ph.D.
ASSOCIATE PROFESSOR OF CHEMISTRY
THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE
COLLEGE (Autonomous)
TIRUCHIRAPPALLI - 620 023



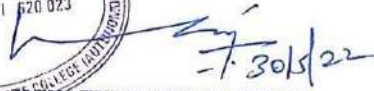
CERTIFICATE

30-5-2022

This is to certify that the Dissertation entitled "ADSORPTION OF METHYLENE BLUE DYE BY *PHOENIX DACTYLIFERA*" is submitted by M.R. SUBHASH (Reg. No: 20PCH17) in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN CHEMISTRY to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI - 620 023 is a bonafide record of work done by him under my guidance during the period of study 2021-2022.


SIGNATURE OF THE CANDIDATE



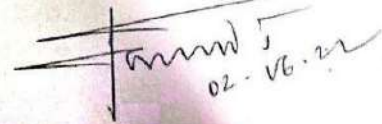

SIGNATURE OF THE GUIDE

Dr. P. PANDIAN, M.Sc., M.Phil., Ph.D.
Associate Professor
PG and Research Dept. of Chemistry
- Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli - 620 023.


SIGNATURE OF THE HOD
மேதவியல் துறை
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
தருச்சிராப்பள்ளி - 620 023

Submitted for the Viva - Voce Examination held on ... 02/10/2022.


Internal Examiner

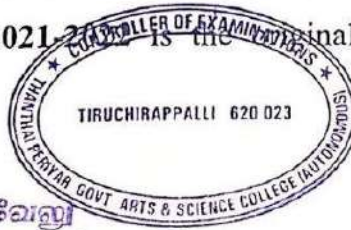
External Examiner

02-VG-22

Dr. C. THANGAVELU M.Sc., M. Phil., Ph.D.,
ASSISTANT PROFESSOR OF CHEMISTRY
PG & RESEARCH DEPARTMENT OF CHEMISTRY
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
TIRUCHIRAPPALLI - 620023

Date: 02.06.2022

CERTIFICATE

This is to certify that the project work was done under my guidance entitled "**Determination of the Relationship between surface tension and contact angle using eco-friendly green materials-A low cost approach**" submitted by SEENU.P with Reg.No.20PCH16 in partial fulfillment of the requirements of the MASTER OF SCIENCE IN CHEMISTRY during the period of 2021-22. This is the original work of the candidate.



முனைவர் சி. தங்கவேலு
கிளவியர் (பி.எ.சி. & கிளவியர் தலைவர்)
Head of the Department
தந்தை பெரியார் அரசு கலை
மன்றம் அறிவியல் கல்லூரி (தன்னாட்சி)
Viva Voce Examination held on

முனைவர் சி. தங்கவேலு
கிளவியர் (பி.எ.சி. & கிளவியர் தலைவர்)
Project Guide
தந்தை பெரியார் அரசு கலை
மன்றம் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

External Examiners
02.06.22

Internal Examiners
02/6/22

Dr.C.THANGAVELU, M.Sc., M.Phil., Ph.D.,
Associate Professor & HOD
Post Graduate & Research Department of Chemistry
Thanthai Periyar Govt.Arts and Science College (Autonomous)
Affiliated to Bharathidasan University
Tiruchirappalli-620 023, Tamil Nadu.



CERTIFICATE

This is to certify that the dissertation entitled **"STUDY OF CONTACT ANGLE, DETERMINATION FROM SURFACE TENSION MEASUREMENTS BY LOW COST EQUIPMENTS USING GREEN MATERIALS"** submitted to the Post Graduate and Research Department of Chemistry, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** for the academic year **2021-2022** is a bonafide record of the work done by **Mr. A. SAHAYA RAMESH BABU (ZOPCH15)** under my guidance.

[Signature]
Head of the Department

[Signature]
Research Supervisor
Dr. S. Srinivasan
Post Graduate and Research Department of Chemistry
Thanthai Periyar Government Arts and Science College
Tiruchirappalli - 620 023

Submitted for the Viva Voce Examination held on 02/06/22

[Signature]
External Examiner
02.6.22

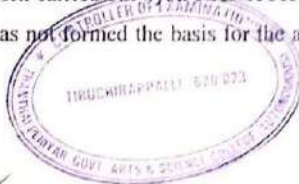
[Signature]
Internal Examiner

Dr. K. THANIKASALAM, M.Sc., Ph.D.
 Assistant Professor,
 PG and Research Department of Chemistry,
 THANTHAI PERIYAR GOVERNMENT ARTS AND
 SCIENCE COLLEGE (Autonomous) Tiruchirappalli.
 620 023



CERTIFICATE

This is to certify that project work entitled "A STUDY ON BINDING ENERGY CALCULATIONS OF HEPTYLACETATE AND CIS-ALPHA-BERGAMOTENE WITH 6M0J PROTEIN" is the bonafide record of the original project work carried out by **R. RANJITH KUMAR(20PCH14)** under my supervision and that it has not formed the basis for the award of any degree, diploma or fellowship.



[Handwritten Signature]
 Head of the Department
 (முனைவர் த. தனிகாசலம்)
 PG and Research Department of Chemistry,
 Thanthai Periyar Government Arts and Science College (Autonomous),
 Tiruchirappalli - 620 023
 Examiner

[Handwritten Signature]
 Research Supervisor
 Dr. K. THANIKASALAM
 PG & Research Department of Chemistry,
 Periyar E.V.R. College (Autonomous),
 Tiruchirappalli - 620 023.

1. *[Handwritten Signature]*
 Dr. A. PAGUTHARIVALAN,
 M.Sc., M.Phil., Ph.D., MISTE., FICS.,
 Assistant Professor
 PG & Research Department of Chemistry,
 J. The Rajah's College (Autonomous),
 Pudukkottai-622 001
 Tamil Nadu

2. *[Handwritten Signature]*
 Dr. K. THANIKASALAM
 Assistant Professor
 Department of Chemistry,
 Periyar E.V.R. College (Autonomous),
 Tiruchirappalli - 620 023.

Dr. B. R. VENKATRAMAN M.Sc., Ph.D.,
Associate Professor
PG & Research Department of Chemistry
Thanthai Periyar Government Arts and Science College (Autonomous)
Tiruchirappalli - 620 023.

Date: 31-5-22

CERTIFICATE

This is to certify that the Project work was done under my guidance entitled
**"SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL PROPERTIES OF
CHITOSAN DOPED TITANIUM DIOXIDE NANOPARTICLES PREPARED VIA
GREEN METHOD"** submitted by **Mr.A.RAMAN (Reg.No.: 20PCH13)** in partial
fulfillment of the requirements of the MASTER'S DEGREE EXAMINATION IN CHEMISTRY during the
period 2020-2022 is the original work of the candidate.



B. R. Venkatesh
Research Supervisor
M.S., Ph.D., PGDMM, DTM, AMNSA, FICCE, FACT, FISCA, FICS, FWRA,
Associate Professor,
P.G. & Research Department of Chemistry,
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli - 620 023.

[Signature]
Head of the Department of Chemistry
முத்துசுவாமி சி. தங்கவேலு
கலைப்பேராசிரியர் & துறைத்தலைவர்
வேதியியல் துறை
தந்தை பெரியார் அங்க கலை
மன்றம் அறிவியல் கல்லூரி (அன்னைசி)
திருச்சிராப்பள்ளி - 620 023

Viva Voce Examination held on ...2-6-22.....

INTERNAL EXAMINER

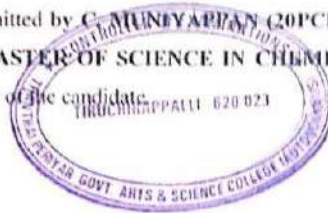
EXTERNAL EXAMINER

Research Supervisor

Dr. A. FARITHA, M.Sc., M.Phil., Ph.D., H.Ed.,
Associate Professor, Department of Chemistry,
Thanthai Periyar Govt. Arts & Science College (Autonomous),
Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project report entitled "BIOCIDAL PROPERTIES OF SODIUM ALGINATE DOPED TITANIUM DIOXIDE NANOPARTICLES PREPARED BY GREEN SYNTHESIS" submitted by **C. MUNIYAPPAN (20PCH12)** in partial fulfillment of the requirements of the **MASTER OF SCIENCE IN CHEMISTRY** during the period **2020-2022** is the original work of the candidate.



A. Faritha

Signature of the Guide

[Signature]
Signature of Head of the Department
Department of Chemistry,
Thanthai Periyar Govt. Arts & Science College,
Tiruchirappalli - 620 023.

Viva-vice Examination held on 02.06.2022 Signature of the External Examiner

1. *[Signature]*
Dr. T. ASOKAN, M.Sc., M.Ed., Ph.D., Ph.D.
Assistant Professor in Chemistry
Government Arts College
Trichy - 620 022

2. *[Signature]*
2/6/22

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India.



CERTIFICATE

This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF CHITOSAN-ZnSO₄ NANOCOMPOSITE FOR REDUCTION OF NITROBENZENE** submitted to the PG and Research Department of Chemistry, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** for the academic year **2020-2022** is a bonafide record of the work by **MOHAMEDASHIK, J (20PCH11)** under my guidance.



Head of the Department

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Dr. P. Subramani
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External Examiner

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Dr. J. C. Princy
Tiruchirappalli - 620 023

Research supervisor

Capt. Dr. P. AROCKIA SAHAYARAJ, M.Sc., Ph.D., M.A., PGDCSA.,

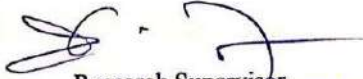
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TIRUCHIRAPPALLI -620 023.

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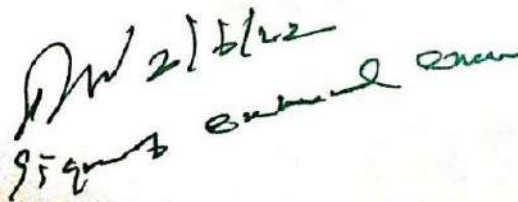
This is to certify that the project work entitled "SYNTHESIS AND CHARACTERIZATION OF NANOPARTICLE OF Bi_2MoO_6 By SOL- GEL METHOD" submitted to the Department of Chemistry, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A), TIRUCHIRAPPALLI, in partial fulfillment of the recruitment for the award of MASTER OF SCIENCE IN CHEMISTRY for the academic year 2021-2022 is a bonafide record of original work done by N.MANJUNATHAN (20PCH16) under my guidance.

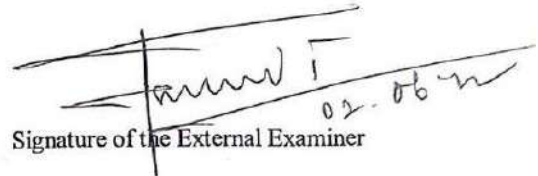



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Signature of Head of the Department
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தமிழ்நாடு அரசு
தமிழ்நாடு அரசு
தமிழ்நாடு அரசு (பொருள்)
தமிழ்நாடு - 620 023

The Viva Voce Examination held on..2.6.2022


95/2/2022
External Examiner


Signature of the External Examiner
02.06.22

Research supervisor

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CERTIFICATE

This is to certify that the project work entitled "ACALYPHA INDICA LEAF EXTRACT AS CORROSION INHIBITOR FOR MILD STEEL IN ACID MEDIUM" submitted to the Department of Chemistry, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A), TIRUCHIRAPPALLI, in partial fulfilment of the requirements for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a bonafide record of original work done by M.MANIKANDAN under my guidance.

H. Beindia
31/5/22
Research Supervisor
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M. 21/5/22
Signature of Head of the Department
முனைவர் சி. தங்கவேலு
கிளைம்பேராசிரியர் & துறைத்தலைவர்
வேதியியல் துறை
கந்தை வாய்பாள் அரசு கலை
மன்றம் அறிவியல் கல்வியர் (தன்னாட்சி),
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CERTIFICATE

This is to certify that the dissertation entitled "EFFECT OF POLYHERBAL FORMULATION ON THE EXPRESSION OF GTFB AND BRPA BIOFLIM GENES IN *streptococcus oralis*" is a record of project work done by SATHISH.R (Reg. No: 20PBC05) under my supervision for the award of the Degree of MASTER OF SCIENCE in PG & Research Department of Biochemistry at THANTHAI PERIYAR GOVT. ATRS AND SCIENCE COLLEGE (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

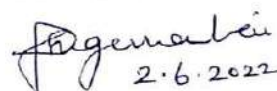
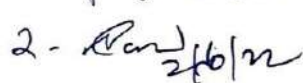

Candidate Signature


Signature of Head of the Department
Head Of the Department,
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EXAMINERS

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Date: 21/05/2022

CERTIFICATE

This is to certify that the Project work was done under my guidance entitled
**"SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL PROPERTIES OF
TITANIUM DIOXIDE NANOPARTICLES PREPARED VIA GREEN METHOD"**
submitted by **Mr.P.KAVIYARASAN (Reg.No.: 20PCH08)** in partial fulfillment of the
requirements of the **MASTER OF SCIENCE IN CHEMISTRY** during the period 2020-2022
is the original work of the candidate.



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31/05/22
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Viva Voce Examination held on 02.06.2022

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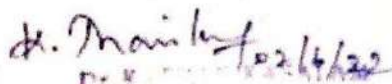
This is to certify that the project work entitled "SYNTHESIS AND CHARACTERIZATION OF NANOPARTICLE OF rGO/Bi₂MoO₄ by SOL- GEL METHOD" submitted to the Department of chemistry, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A), TIRUCHIRAPPALLI, in partial fulfillment of the recruitment for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a bonafide record of original work done by JAISANKAR M under my guidance.

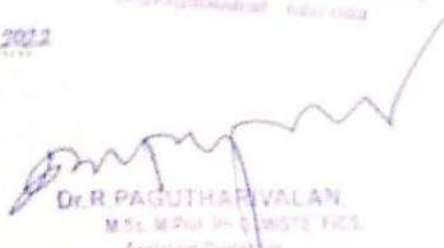



Research Supervisor
Capt. Dr. P. AROCKIA SAHAYARAJ,
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AND SCIENCE COLLEGE (Autonomous)
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Date: 31.05.2022

CERTIFICATE

This is to certify that the project entitled "Enhancing the corrosion resistance of magnesium alloy AZ 91D in NaCl solution" the bonafide record of the original project work carried out by Mr. K. GOPINATH (Reg. No. 20PCH06) under my supervision and that it has not formed the basis for the award of any degree, diploma or fellowship.

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Dr. N. Kumaraguru
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Tiruchirappalli - 620 023

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31/5/2022
Signature of the Guide

Viva-Voce Examination held on 22.06.22.

Signature of the Examiners

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22/6/22
Dr. P. Prasad

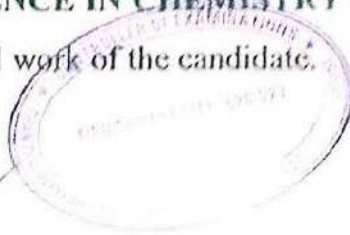
(Handwritten signature)
22.6.22


Dr. A. SHAJUDHA BEGUM M.Sc., M. Phil., Ph.D.,
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ARTS AND SCIENCE COLLEGE
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TIRUCHIRAPPALLI – 620023


Date: _____


CERTIFICATE


This is to certify that the project work was done under my guidance entitled **“Green Corrosion inhibition of Mild steel in HCl medium using plant Leaves extract”** submitted by **GANESH K** with **Reg.No.20PCH05** in partial fulfillment of the requirements of the **MASTER OF SCIENCE IN CHEMISTRY** during the period of **2021-2022** is the original work of the candidate.




Head of the Department
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தேய்வியல் துறை
தந்தை பெரியார் அரசு கலை
மயம் பல்கலைக் கழகம்
வாழ்வு-மொழி-செயல்
வாழ்வு-மொழி-செயல்
Viva Voce Examination held on
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Project Guide
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External Examiners

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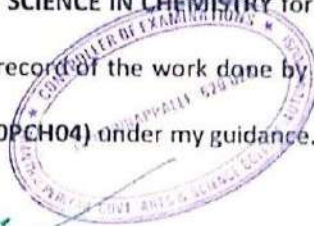

Internal Examiners
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CERTIFICATE

This is to certify that the dissertation entitled "Synthesis and Characterization of Chitosan/Fe₂O₃ Nanocomposite for the Reduction of Aromatic Nitrocompound" submitted to the PG and Research Department of Chemistry, Thanthai Periyar Government Arts & Science College (A), Tiruchirappalli, in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** for the academic year **2021-2022** is a bonafide record of the work done by **Mr.K.DHAMOTHARAN (20PCH04)** under my guidance.



முனைவர் கி.செல்வரணி
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தமிழ்நாடு அரசு
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தஞ்சை பெரியார் அரசு அறிவியல் கல்லூரி (தனித்துவம்)
தஞ்சை-620 023

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Examiners

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CERTIFICATE

This is to certify that the dissertation work entitled **CORROSION INHIBITION BY POLYACRYLIC ACID – Zn²⁺ SYSTEM** the bonafied record of the original dissertation work carried out by **C. BALAMURUGAN (Reg.No. 20PCH03)** under my supervision and that it has not formed the basis for the award of any degree, diploma or fellowship.

முதலவர் (அ) தங்கவேலு
Head of the Department
தலைவர்

தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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Submitted for the viva voce Examination held on

2/6/22

Examiners

1.

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2.

2/6/22

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CERTIFICATE

This is to certify that the dissertation entitled "Synthesis and Characterization of Chitosan/ MnO₂ Nanocomposite for Reduction of Aromatic Nitrocompound" submitted to the PG and Research Department of Chemistry, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE IN CHEMISTRY** for the academic year **2021-2022** is a bonafide record of the work done by **Mr. C. ARUNKUMAR (20PCH02)** under my guidance.



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Head of the Department
தலைவர் & துறைத்தலைவர்
வேதியியல் துறை
தந்தை பெரியார் அரசு கலை
மன்றம் அறிவியல் கல்லூரி (தன்னாட்சி)
Tiruchirappalli - 620 023
Examiners

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Assistant Professor
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Tiruchirappalli - 620 023.

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Department of Chemistry
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2). *[Handwritten Signature]*
Dr. R. PAGUTHARVALAN
M.Sc., M.Phil., Ph.D., MISTE., FICS.
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Research supervisor

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CERTIFICATE

This is to certify that the project work entitled "PHYTOCHEMICAL ANALYSIS OF ETHANOLIC EXTRACT OF FLOWER OF TABERNAEMONTANA DIVARICATA L. THROUGH GC-MS" submitted to the Department of Botany, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI, in partial fulfilment of the recruitment for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a Bonafide record of original work done by S. SELVAKUMARI under my guidance.

Ruby Priskilla
Research Supervisor

[Signature]
Signature of Head of the Department

Dr.F.SHANTHA MARGARET,
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Head & Associate Professor
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Tiruchirappalli-620 023, Tamilnadu, India.

The Viva Voce Examination held on.....



Signature of the External Examiner

Dr. R. SARALA, M.Sc., Ph.D
Associate Professor
P.G and Research Department of Botany
Thanthai Periyar Govt.Arts And Science College (A)
(Re-Accredited with 'A' Grade by NAAC
Tiruchirappalli 620 023

CERTIFICATE

This is to certify that the project work entitled
'ETHNOBOTANICAL SURVEY OF MEDICINAL PLANTS IN
MANGATHEVANPATTI, KULATHUR TALUK PUDUKKOTTAI DISTRICT'
submitted by **M.PRAVEENA** (Reg. No. **20PBO14**) was carried out for the partial
fulfillment of the requirements for the award of Master of Science degree in
Botany during the period 2021-2022 in Department of Botany, Thanthai Periyar
Govt.Arts And Science College Autonomous, Trichy.

I further certify that no part of the thesis has been submitted anywhere
for the award of any Degree, Diploma, Associateship, Fellowship or any other
similar title to any candidate.

R. Sarala
30/5/22
Project Guide
Dr. R. SARALA, M.Sc., Ph.D.,
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F. Shantha Margaret
20/05/2022
Head of the Department

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Examiner

- A. Shajahan*
02.06.22
Dr. A. SHAJAHAN, M.Sc., M.Phil., Ph.D.
Dean of Research and Consultancy
Coordinator of CBT Scheme & Associate Professor of Botany,
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- R. Sarala*
02/06/2022





**THANTHAI PERIYAR GOVERNMENT ARTS
AND SCIENCE COLLEGE (AUTONOMOUS)**

(Nationally Re-Accredited with 'A' Grade by NAAC)
(Affiliated to Bharathidasan University, Tiruchirappalli)

TRICHIRAPPALLI-620023.

**DEPARTMENT OF ZOOLOGY
CERTIFICATE**

The project work embodied in this dissertation entitled "STUDY OF "POLY CYSTIC OVARIAN DISEASE" (PCOD) AMONG THE GIRL STUDENTS OF THYANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE, TRICHIRAPALLI" has been carried out by *Ms. VIMALA. P (Reg.No:20PZO23)* in the PG and Research Department of Zoology, ThanthaiPeriyar Government Arts and Science College (Autonomous), Trichirappalli-620 023 affiliated to BHARATHIDASAN UNIVERSITY, TRICHIRAPALLI. The work is original and has not been submitted in part or full to any other degree or diploma of any university.


Signature of the HOD.

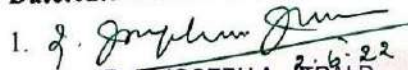
Dr. S. UMAMAHESWARI, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head,
Department of Zoology
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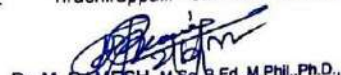

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Dr. M. RAMESH, M.Sc., B.Ed., M.Phil., Ph.D.,
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Dissertation submitted for the evaluation held at
ThanthaiPeriyarGovernment Arts and Science College (Autonomous),
Trichirappalli-620 023 on 02.06.2022.

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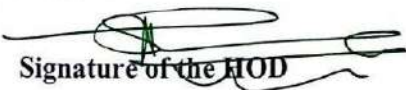
Thanthai Periyar Government Arts And Science College (Autonomous)

Tiruchirappalli-620 023

Date: 30.05.2022

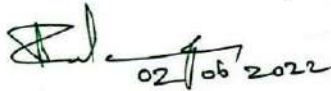
CERTIFICATE

This is to certify that the dissertation entitled "**VERTEBRATE FAUNAL SURVEY IN KOVILPATTI, THIRUCHIRAPPALLI, TAMILNADU, INDIA**" is a bonafide record of research work done by **VANAJA S., Reg.No.20PZO22**, submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year **2020-2022** in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.



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This is to certify that the dissertation entitled **Mitochondrial DNA 9bp deletion diversity and hypertension in eight Tribal Population of South India** is a bonafide record of research work done by **Mr C.SUGANYA (Reg No: 20PZO21)**, submitted to Thanthai Periyar Govt Arts And Science College (Autonomous), Tiruchirappalli, in partail fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year **2020 to 2022** in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed for the basis for the award to any candidate for any Degree, Diploma, Associateship, fellowship or any other similar titles.

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Examiners

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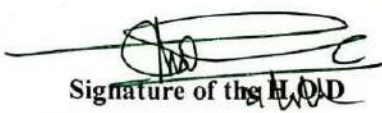
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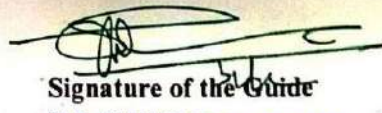


CERTIFICATE

This is to certify that this project work entitled “ *Comparison of FTIR spectra of Bacterial cellulose produced by Bacillus licheniformis using different carbon sources* ” submitted to Thanthai Periyar Government Arts and Science College (Autonomous) by Miss. S. Poornima (Reg.No: 20PZO20) in partial fulfillment of the requirements for the award of the degree of Master of Science by the BHARATHIDASAN UNIVERSITY, Thiruchirapalli. This is a bonafide work carried out by her under my supervision and guidance during the academic year 2020 – 2022.


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CERTIFICATE

This is to certify that the dissertation entitled "EFFECTS OF PROBIOTIC CONSORTIUM ON THE GROWTH PARAMETERS AND BIOCHEMICAL CONTENT OF *OREOCHROMIS MOSSAMBICUS* " submitted by Ms. A. PARVATHI, BSc., B.Ed., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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CERTIFICATE


This is to certify that the dissertation entitled "EFFECTS OF SPIRULINA ON THE GROWTH PARAMETERS AND BIOCHEMICAL CONTENT OF *OREOCHROMIS MOSSAMBICUS*" submitted by Ms. A. JANAPRIYANKA, BSc., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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This is to certify that the dissertation entitled "A study on Distribution of Grasshoppers in Grassland and Agriculture felids of Kovilpatti Village Tiruchirappalli District, Tamil nadu".submitted by (GAYATHRI.S 20PZO17) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship,fellowship or other similar title.

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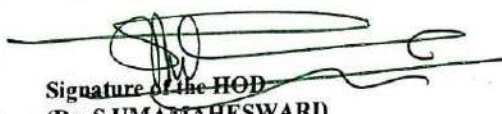


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This is to certify that the dissertation entitled "Influence of mtDNA 9bp deletion polymorphisms on Diabetes in eight Tribal populations of south India" is a bonafide record of research work done by Mr. A.Arockiyasheebe (Reg No: 20PZO15), submitted to Thanthai Periyar Govt Arts And Science College (Autonomous), Tiruchirappalli, in partail fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN ZOOLOGY during the year 2020 to 2022 in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed for the basis for the award to any candidate for any Degree, Diploma, Associateship, fellowship or any other similar titles.

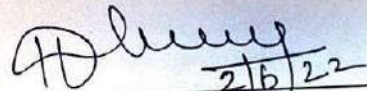

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2. 
2/6/22



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This is to certify that the dissertation entitled **mtDNA 9bp deletion and its impact on the Tobacco users in Eight Dravidian Tribal populations of south India** is a bonafide record of research work done by Mr. P.Yuvaraj (Reg No: 20PZO14), submitted to Periyar EVR College (Autonomous), Tiruchirappalli, in partail fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year 2020 to 2022 in the Department of Zoology, under my guidance and supervision. The dissertation has not previously formed for the basis for the award to any candidate for any Degree, Diploma, Associateship, fellowship or any other similar titles.

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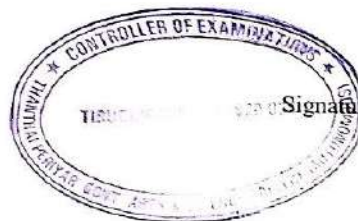
This is to certify that the project work entitled "PHYTOCHEMICAL ANALYSIS OF ETHANOLIC EXTRACT OF LEAF OF *TABERNAEMONTANA divaricata* L. THROUGH GC-MS" submitted to the Department of Botany, THANTHAI PERIYAR GOVERNMENT ARTS SCIENCE COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI, in partial fulfilment of the recruitment for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a Bonafide record of original work done by M KEERTHI under my guidance.


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This is to certify that the dissertation entitled "Collection and Identification of *Hindakia tetrachotoma* based on *18srRNA* molecular markers" is a record of project work done by M. Vimalraj (Reg. No: 20PBC04) under my supervision for the award of the Degree of MASTER OF SCIENCE in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

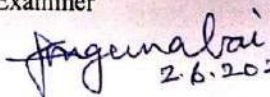
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(Nationally Re-Accredited with 'A' Grade by NAAC)
(Affiliated to Bharathidasan University, Tiruchirappalli)

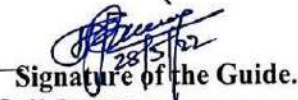
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**DEPARTMENT OF ZOOLOGY
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The project work embodied in this dissertation entitled
"BIODEGRADATION OF PAPER MILL TREATED EFFLUENT
USING INDIGENOUS EARTHWORM "LAMPITO MAURITII" has
been carried out by *Mr. SRIRAM.S (Reg.No:20PZO13)* in the PG and
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The work is original and has not been submitted in part or full to any
other degree or diploma of any university.


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on 02.06.2022.

Date: 02.06.2022

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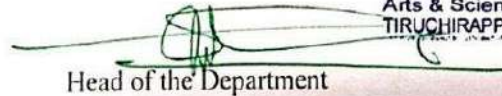
This is to certify that the dissertation entitled "EFFECTS OF SPIRULINA ON THE GROWTH PARAMETERS AND BIOCHEMICAL CONTENT OF *OREOCHROMIS MOSSAMBICUS* " submitted by Mr. S.RISHIKARAN, BSc., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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Head of the Department

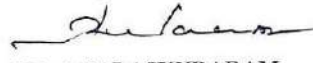
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This is to certify that the dissertation entitled "IMPACT OF PROBIOTIC COSORTIUM AQUALACT ON LIVER AND KIDNEY MARKERS OF OREOCHROMIS MOSSAMBICUS" submitted by Mr.R.PRADEEP BSc., in partial fulfillment of the requirements for Post Graduate Degree in Zoology, is her original work, based on the observations carried out independently by her during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar title.

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CERTIFICATE

This is to certify that the dissertation entitled “A Preliminary Qualitative Analysis of Planktonic Diversity on Singalandapuram Lake, Trichirappalli, Tamil Nadu” submitted by **PIRUTHIVIRAJAN S (Reg. No. 20PZO09)** in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.

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CERTIFICATE


This is to certify that the dissertation entitled “ **Observations on Population ecology and foraging behavior of bonnet macaque (*Macaca radiata*) from the tourist destination Of Mukkombu, Trichirappalli, Tamilnadu**” submitted by Mr. P. NAVEEN (Reg. No. 20PZO08) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.



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CERTIFICATE

This is to certify that this project work entitled “*FTIR Characterization of Cellulose produced by Bacillus subtilis bacteria using different carbon source*” submitted to Thanthai Periyar Government Arts and Science College (Autonomous) by P. Madheshwaran (Reg.No: 20PZO20) in partial fulfillment of the requirements for the award of the degree of Master of Science by the BHARATHIDASAN UNIVERSITY, Thiruchirappalli. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2020 – 2022.


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Mr. C. SAMIVEL, M.Sc., M.Phil., M.Ed.,
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Thanthai Periyar Government arts and Science College (Autonomous)
Tiruchirappalli 620 023
Tamilnadu, India.



CERTIFICATE

This is to certify that the dissertation entitled "Study on Water Quality Parameters of Gomukhi Dam in Kallakurichi District of Tamil Nadu, India" submitted by Mr. K.MADHANKUMAR (Reg. No. 20PZO06) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.

Tiruchirappalli-23

Date: 31-05-22.

C. Samivel
31.5.22.
C.SAMIVEL

Supervisor and Guide

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Head of the Department

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Department of Zoology
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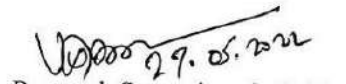


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This to certify that the dissertation entitled **“BUTTERFLY BIODIVERSITY IN THIYAGADURGAM HILLS FROM KALLAKURICHI DISTRICT, TAMIL NADU, INDIA”** is the bonafide research work carried out by **M.KOMATEESWARAN (Register No:20PZO05)** in partial fulfillment of the requirement for the award of degree of **MASTER OF SCIENCE IN ZOOLOGY** during the year 2021-2022. Is this his him original research work, based on the observation carried out independently by her during the period of study under my guidance and supervision. It is also certified that the above dissertation has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or any other similar tile.


Head of the Department 27/5/2022

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Date: 27.05.2022

Place: Tiruchirappalli.


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This is to certify that this project work entitled "*Study on Bacterial cellulose produced by Bacillus subtilis bacteria before and after cold storage*" submitted to Thanthai Periyar Government Arts and Science College (Autonomous) by V. Gunasekar (Reg.No: 20PZO04) is in partial fulfillment of the requirements for the award of the degree of Master of Science by the BHARATHIDASAN UNIVERSITY, Thiruchirappalli. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2020 – 2022.


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This is to certify that the dissertation entitled “ Analysis Of Water Quality Parameters Of Ponnaniyar Dam In Karur District Of Tamilnadu” India submitted by Mr. B. DILIP (Reg. No. 20PZO02) in partial fulfillment of the requirements for Post Graduate Degree in Zoology is his original work, based on the observations carried out independently by him during the period of study under my guidance and supervision. This is also to certify that the above dissertation has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or other similar title.

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Date: 31-05-22 .

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This is to certify that the dissertation entitled "**COMPARATIVE PHARMACOGNOSTIC STUDIES OF GENUINE AND COMMERCIAL SAMPLES OF INDIGOFERA TINCTORIA L.**" submitted to Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli in partial fulfillment of requirements for the award of Degree **MASTER OF SCIENCE IN BOTANY** is a Bonafide work of **S. JAYABHARATHI (Reg. No. 20PBO12)** who carried out this work under my guidance in the Thanthai Periyar Government Arts and Science College (Autonomous), during the academic year (2020-2022). This dissertation has been prepared in his original work and it has not been submitted for any other Degree.

Place: Tiruchirappalli
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Signature of the Guide

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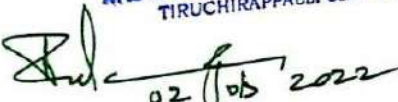
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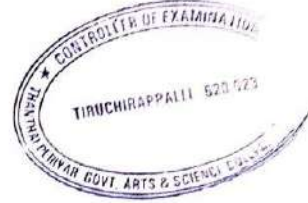
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This is to certify that the project work entitled "Dietotherapy for Peptic ulcer - A Brief Review submitted by R.DEEPA (Reg. No. 20PBO11) was carried out for the partial fulfilment of the requirements for the award of Master of Science degree in Botany during the period 2021-2022 in Department of Botany, *Thanthai Periyar Govt. Arts and Science College (Autonomous), Trichy.*


I further certify that no part of the thesis has been submitted anywhere for the award of any Degree, Diploma, Associateship, Fellowship or any other similar title to any candidate.


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முனைவர் வ.நாராயணன் நம்பி

இணைப்பேராசிரியர் & தமிழ்த்துறை

தந்தைபெரியார் அரசு கலை மற்றும்

அறிவியல் கல்லூரி (தன்னாட்சி),

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“பட்டுக்கோட்டை கல்யாணசுந்தரம் பாடல்களில் மனித
உரிமைகள்”

என்னும் தலைப்பில் திருமதி.காயத்ரி (பதிவுஎண்: 18PTL19
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நிறைவாகவும் பாடத்தித்தின் ஒரு பகுதியாகும். அவர்
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அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம்
பயின்ற காலத்தில் என் மேற்பார்வையில் உருவானது என்றும்
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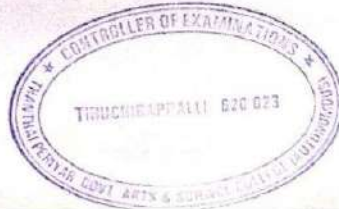
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தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி-23.

க. சமுத்திரத்தின் "வாடாமல்லி" நாவலில் திருநங்கைகளின் வாழ்வியல் கூறுகள்" என்னும் தலைப்பில் ஜ. விஜயலட்சுமி (பதிவு எண் : 20PTL27) தந்துள்ள இத்திட்டக்கட்டுரை முதுகலை பயின்றதன் நிறைவாகவும், பாடத்தின் ஒரு பகுதியாகவும், அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி, முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து என் மேற்பார்வையில் உருவானது என்றும் வேறு எந்தத் தேர்வின் பொருட்டும் இத்திட்டக் கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கின்றேன்.

முனைவர் ம. நாராஜஹான்

நெறியாளர் ஒப்பம்

தி. நாராஜஹான்
28/05/22
துறைத்தலைவர் ஒப்பம்
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023



நெறியாளர் சான்றிதழ்

முனைவர் ம. நூர்ஜஹான்

நாள்: 31.05.2022

எம்.ஏ., எம்.ஃபில்., பி.எட்., பி.எச்.டி.,

உதவிப்பேராசிரியர், தமிழாய்வுத்துறை

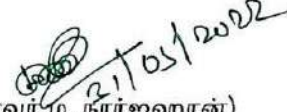
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி - 620 023.

பெருமாள்முருகனின் பூக்குழி நாவல் கலப்பு மணம் - ஓர் ஆய்வு எனும் தலைப்பில் ஆய்வாளர் ப.சுபாஷினி (பதிவு எண்: 20PTL26) அளித்துள்ள இத்திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன் நிறைவாகவும் பாடத் திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்துடன் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.


(முனைவர் கா.வாசுதேவன்)

துறைத்தலைவர் ஒப்பம்
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023


(முனைவர் ம. நூர்ஜஹான்)
Dr. M. NOORJAHAN, M.A. M.Phil. B.Ed. Ph.D.
தென்மொழிப்பேரறிஞர்
DEPT. OF TAMIL
E.V.R. COLLEGE (A)
TRICHY-23




நெறியாளர் சான்றிதழ்

முனைவர் இரா. குணசேகரன்
உதவிப்பேராசியர்,
தமிழாய்வுத்துறை,
தந்தை பெரியார் கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

நாள்: 31.05.2022
இடம்: திருச்சி-23

"கி.ரா.வின் பெண்கதைகள்" என்னும் தலைப்பில்
க. சத்யபிரியா (பதிவுஎண்: 20PTL25) அளித்துள்ள இத்திட்டக்
கட்டுரை முதுகலைப் பயின்றதன் நிறைவாகவும், பாடத்
திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை
பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் பயின்ற
காலத்து என் மேற்பார்வையில் உருவானது என்றும், இதற்கு
முன் வேறெந்தத் தேர்வின் பொருட்டும் இவ்வாய்வேடு
அளிக்கப்பெறவில்லை என்றும் சான்றளிக்கிறேன்.


முனைவர் கா. வாசுதேவன்
துறைத் தலைவர் ஒப்பம்


முனைவர் இரா. குணசேகரன்
முனைவர் இரா. குணசேகரன்
உதவிப்பேராசியர்
தமிழாய்வுத்துறை
பெரியார் க.வ.ரா. கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023




நெறியாளர் சான்றிதழ்



பேராசிரியர் இரா.குணசேகரன்
எம்.ஏ., எம்பில்., எம்.எட்., எம்.பில் (கல்வி) பி.எச்.டி.,
உதவிப் பேராசிரியர்
தமிழாய்வுத் துறை
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

“பெண்களின் வாழ்வியல் சிக்கல்களை உணர்த்தும் ஒத்தைப்பனை”
என்னும் தலைப்பில் ர.ரவினா (பதிவு எண். 20PTL24) அளித்துள்ள
இவ்வாய்வேடு முதுகலைப் பயின்றதன் நிறைவாகவும், பாடத்திட்டத்தின் ஒரு
பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரியில் பயின்ற காலத்து என் மேற்பார்வையில் உருவானது
என்றும், இதற்கு முன் வேறெந்தத் தேர்வின் பொருட்டும் இவ்வாய்வேடு அளிக்கப்
பெறவில்லை என்றும் சான்றளிக்கிறேன்.


முனைவர் க. வாசுதேவன்
துறைத்தலைவர் ஒப்பம்
தமிழாய்வுத் துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023
நாள் :
இடம் : திருச்சிராப்பள்ளி


முனைவர்.இரா.குணசேகரன்
நெறியாளர் ஒப்பம்
முனைவர், இரா.குணசேகரன்
உதவிப்பேராசிரியர்
தமிழாய்வுத்துறை
பெரியார் ச.வெ.ரா. கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

நெறியாளர் சான்றிதழ்

Dt. 30.05.2022

முனைவர்.பொ.இ.ரமேஷ்

உதவிப் பேராசிரியர்

தமிழாய்வுத்துறை

திருச்சிராப்பள்ளி - 620023

சு.தமிழ்ச்செல்வியின் கீதாரி நாவல் ஒர் ஆய்வு என்னும் தலைப்பில் மாணவி ரா.ரஞ்சனா (பதிவு எண்: 20PTL23) செய்துள்ள இந்த ஆய்வேடு பெரியார் ஈ.வெ.ரா கல்லூரி தமிழ்த்துறையில் முதுகலை (2020-2022) பட்டத்திற்காக அவர் தம் சொந்த முயற்சியில் எனது மேற்பார்வையின் கீழ் மேற்கொள்ளப்பட்டது என்றும், வேறெந்தப் பட்டத்திற்கும் இத்திட்டக் கட்டுரைத் தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.


துறைத்தலைவர் கையொப்பம்
தமிழாய்வுத்துறைத் தலைவர்
தமிழ்நாடு பல்கலைக் கழகம்
தமிழ்நாடு அரசு கல்வித் துறை
திருச்சிராப்பள்ளி (தஞ்சாவூர்)
திருச்சிராப்பள்ளி - 620 023


நெறியாளர் கையொப்பம்
முனைவர் பொ. இரமேஷ்
எம்.ஏ., எம்.ஏ. (தமிழ்), எம்.பி.எ., எம்.பி.ஏ.,
உதவிப் பேராசிரியர் & ஆய்வு நெறியாளர்
தமிழாய்வுத்துறை
பெரியார் ஈ.வெ.ரா. கல்லூரி (தஞ்சாவூர்)
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

முனைவர். பொ. இரமேஷ்

உதவிப்பேராசிரியர்-தமிழாய்வுத்துறை

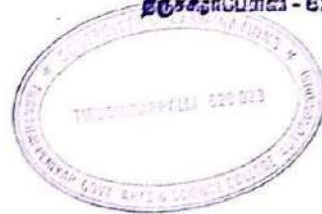
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி-620023

“நா. பார்த்தசாரதியின் துளசி மாடம் புதினத்தில் சமுதாய சிந்தனைகள்”
என்னும் தலைப்பில் திருமதி. வி.பிரித்தி (பதிவு எண். 20PTL22)
அளித்துள்ள இத்திட்டக் கட்டுரை, முதுகலை பயின்றதின் நிறைவாகவும்,
பாடத்திட்டத்தின் ஒரு பகுதியாகவும், அவர் திருச்சிராப்பள்ளி தந்தை பெரியார்
அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழிலக்கியம்
பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும் வேறெந்த
தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும்
சான்றிளிக்கிறேன்.


துறைத்தலைவர் ஒப்பம்
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023


நெறியாளர் ஒப்பம்
முனைவர் பொ. இரமேஷ்
எ.ஏ.,எ.ஏ.(ஆதிபலம்),எம்.ஃபீ.க.,பி.ஃ.டி.,
உதவிப்பேராசிரியர் & ஆய்வு நெறியாளர்
தமிழாய்வுத்துறை
பெரியார் எ.வெ.ரூ. கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

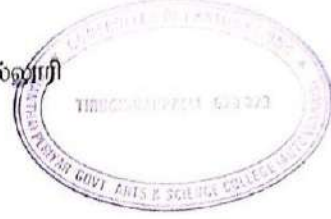
முனைவர். நா.பிரியா

உதவிப்பேராசிரியர்-தமிழாய்வுத்துறை

தந்தை பெரியார் அரசுக் கலை மற்றும் அறிவியல் கல்லூரி

(தன்னாட்சி)

திருச்சிராப்பள்ளி-620023



“தண்ணீரும் கண்ணீரும்” சிறுகதைத் தொகுப்பு முன்வைக்கும் ஈழமக்களின் வாழ்வியல் நிலை என்னும் தலைப்பில் இ.பூங்கோதை(பதிவு எண். 20PTL21) அளித்துள்ள இத்திட்டக் கட்டுரை, முதுகலை பயின்றதின் நிறைவாகவும், பாடத்திட்டத்தின் ஒரு பகுதியாகவும், அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழிலக்கியம் பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும் வேறெந்த தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றிளிக்கிறேன்.


முனைவர்.கா.வாசுதேவன்

துறைத்தலைவர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023


முனைவர்.நா.பிரியா

நெறியாளர் ஒப்பம்

முனைவர் நா. பிரியா,
எம்.ஏ., எம்.ஃபில்., பிஎச்.டி.,
உதவிப்பேராசிரியர், தமிழாய்வுத்துறை,
பெரியார் ச.க.க.ல. கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

ஆய்வு நெறியாளர் சான்றிதழ்

முனைவர் நா.பிரியா

உதவிப்பேராசிரியர்,

தமிழாய்வுத்துறை,

தந்தை பெரியார் அரசு சபை(ம) அறிவியல் கல்லூரி

திருச்சிராப்பள்ளி - 620 023.



“குறள் நூல்களில் சுட்டும் சமுதாயம்” என்னும் தலைப்பில் மாணவி நா.பிரியா (பதிவு எண்: 20PTL20) செய்துள்ள இந்த ஆய்வேடு தந்தை பெரியார் அரசு சபை (ம) அறிவியல் கல்லூரி தமிழ்த்துறையில் முதுகலைப் 2020 - 2022 பட்டத்திற்காக அவர் தம் சொந்த முயற்சியில் எனது மேற்பார்வையின்கீழ் மேற்கொள்ளப்பட்டது என்றும், வேறெந்த தேர்வின் பொருட்டும் இத்திட்டக் கட்டுரைத் தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

Dr. V. S. S. S. S.
முனைவர் கா.வாசுதேவன்
துறைத்தலைவர்

மேற்பார்வையாளர் (முனைவர்)
திருச்சிராப்பள்ளி - 620 023

Na 31.05.2022
முனைவர் நா.பிரியா
நெறியாளர்
எம்.ஏ., எம்.பி.லி., பி.எச்.டி.,
உதவிப்பேராசிரியர், தமிழாய்வுத்துறை,
பெரியார் ச.சபை, கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

நாள்: 31/5/2022

இடம்: திருச்சிராப்பள்ளி

Department of Botany
Thanthai Periyar Government Arts and Science College
(Autonomous)
Tiruchirappalli- 620 023

VIVA - VOCE EXAMINATION

The M.Sc (BOTANY) project work entitled "Prevalence of major diseases in *Milletia pinnata* (L.) Panigrahi. observed in Tiruchirappalli District" submitted by Ms. P. DEEBA (Reg. No. 20PBO10) has been subjected to VIVA VOCE examination on 02-06-2022. The candidate presented the core ideas defending the queries raised.


Internal Examiner


External Examiner

Dr. A. SHAJAHAN, M.Sc., M.Phil., Ph.D.
Dean of Research and Consultancy
Coordinator of CBET Star College Scheme & Associate Professor of Botany,
Jamal Mohamed College (Autonomous), Tiruchirappalli- 620 020

நெறியாளர் சான்றிதழ்

திருச்சி - 23.

நாள்: 31.05.2022

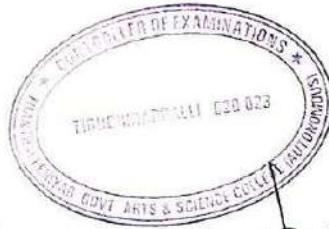
முனைவர் இரா. மோரில் ஜாய், எம்.ஏ., பிஎச்.டி.

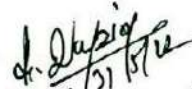
உதவிப்பேராசிரியர், தமிழ்த்துறை,

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (த),

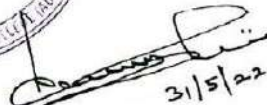
திருச்சிராப்பள்ளி - 620 023.

“ஆழல் ரீன்புல வெளிப்பாட்டின்வழி திருநாளைப்போவாரின் பக்தித் திறன்” என்னும் தலைப்பில் செல்வி ச.மாலதி (பதிவு எண்: 20MPTL19) அளித்துள்ள இத் திட்டக்கட்டுரை, தமிழ் முதுகலைத் பாடத்திட்டத்தின் ஒரு பகுதியாக, அவர் திருச்சிராப்பள்ளி, தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் பயின்ற காலத்துடன் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை வழங்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.




துறைத் தலைவர்

திருநாளைப்போவாரின் பக்தித் திறன்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (த)
திருச்சிராப்பள்ளி - 620 023


31/5/22

ஆய்வு நெறியாளர்

முனைவர் இரா. மோரில் ஜாய், எம்.ஏ., பிஎச்.டி.
உதவிப் பேராசிரியர்
தமிழ்த்துறை
பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
திருச்சிராப்பள்ளி - 620 023

நெறியாளர் சான்றிதழ்

திருச்சி - 23.

நாள்: 31.05.2022

முனைவர் இரா. மோரிஸ் ஜாய், எம்.ஏ., பிஎச்.டி.

உதவிப்பேராசிரியர், தமிழ்த்துறை,

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (த),

திருச்சிராப்பள்ளி - 620 023.

“ஆழல் மீன்புல வெளிப்பாட்டின்வழி கண்ணாய் நாயனாரின் பக்தித் திறன்”
என்னும் தலைப்பில் செல்வி மு.மகாலட்சுமி (பதிவு எண்: 20PTL18)
அளித்துள்ள இத் திட்டக்கட்டுரை, தமிழ் முதுகலைத் பாடத்திட்டத்தின் ஒரு
பகுதியாக, அவர் திருச்சிராப்பள்ளி, தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரியில் பயின்ற காலத்தில் என் மேற்பார்வையில் உருவானது
என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை
என்றும் சான்றளிக்கிறேன்.


துறைத் தலைவர்

நிழலும்பு நெறியாளர் சான்றிதழ்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (த-நெறியாளர்)
திருச்சிராப்பள்ளி - 620 023


ஆய்வு நெறியாளர்

முனைவர் இரா.மோரிஸ்ஜாய் எம்.ஏ., பிஎச்.டி.
உதவிப் பேராசிரியர்
தமிழாய்வுத்துறை
பெரியார் ஈ.வெ.ரா.கல்லூரி
திருச்சிராப்பள்ளி - 620 023



நெறியாளர் சான்றிதழ்

முனைவர் ரேணுகா

உதவிப்பேராசிரியர் - தமிழாய்வுத்துறை

பெரியார் ஈ.வெ.ரா. கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி - 620023



கவிஞர் வைரமுத்துவின் “கருவாச்சி காவியத்தில் சமுதாயச் சிந்தனைகள்” என்னும் தலைப்பில் செல்வி சி.மகாலட்சுமி (பதிவு எண் : 20PTL17) அளித்துள்ள இத்திட்டக் கட்டுரை, அவர் முதுகலைப் பயிற்றாத நிறைவாகவும் பாடத்திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் ஈ.வெ.ரா.கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும் வேறெந்த தேர்வின் பொருட்டும் இத்திட்டக் கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

M. Rajan

துறைத்தலைவர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
உதவிப்பேராசிரியர் - முதுகலை
நெறியாளர் சான்றிதழ் (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

S. Rangan

நெறியாளர் ஒப்பம் 15/2022

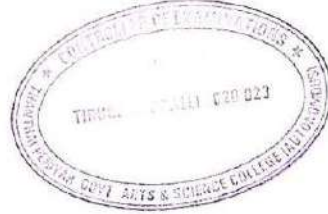
முனைவர், ச. ரேணுகா
உதவிப் பேராசிரியர், தமிழ்த்துறை
பெரியார் ஈ.வெ.ரா. கல்லூரி (த)
திருச்சிராப்பள்ளி - 620 023

நெறியாளர் சான்றிதழ்

முனைவர் ப. பெண்ணரசி,
உதவிப்பேராசிரியர்,
தமிழாய்வுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி(தன்னாட்சி)
திருச்சிராப்பள்ளி - 620023.

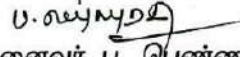
நாள் : 31.05.2022

“கானகன் புதினத்தில் இயற்கை - மானுடப் போராட்டம்” என்னும் தலைப்பில் செல்வி ஆ. கீர்த்தனா (பதிவு எண். 20PTL15) தந்துள்ள இத்திட்டக் கட்டுரை, முதுகலைப் பயின்றதன் நிறைவாகவும், பாடத்திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி, தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும், வேறெந்த தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரைத் தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.




(முனைவர் கா. வாசுதேவன்)
துறைத்தலைவர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023


(முனைவர் ப. பெண்ணரசி)
நெறியாளர் ஒப்பம்

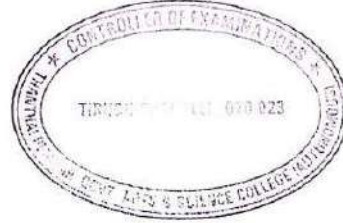
முனைவர். ப. பெண்ணரசி,
எம்.ஏ., எம்.ஃபில்., பிஎச்.டி.,
உதவிப்பேராசிரியர், தமிழாய்வுத்துறை,
பெரியார் ச.வெ.ரா. கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

நெறியாளர் சான்றிதழ்

21.05.22

முனைவர் ப. பெண்ணரசி
உதவிப்பேராசிரியர், தமிழாய்வுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
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திருச்சிராப்பள்ளி - 620 023

“சுடுமணல் நாவலின் சமுதாயச் சிந்தனைகள்” என்னும் தலைப்பில்
வெ. ஐஸ்வர்யா (பதிவு எண். 20PTL14) அளித்துள்ள இத்திட்டக்
கட்டுரை அவர் முதுகலைப் பயின்றதன் நிறைவாகவும் பாடத்திட்டதின்
ஒரு பகுதியாகவும் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழிலக்கியம் பயின்ற
காலத்து எனது மேற்பார்வையில் உருவானது என்றும், வேறெந்த
தேர்வின் பொருட்டும் இத்திட்டக் கட்டுரைத் தரப்படவில்லை என்றும்
சான்றளிக்கிறேன்.



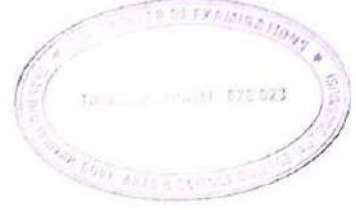
K. S. Srinivasan
துறைத்தலைவர் ஒப்பம்

P. Srinivasan
நெறியாளர் ஒப்பம்

முனைவர் கா. வாசுதேவன்
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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முனைவர் ப. பெண்ணரசி

முனைவர். ப. பெண்ணரசி,
எம்.ஏ., எம்.ஃபில்., பிஎச்.டி.,
உதவிப்பேராசிரியர், தமிழாய்வுத்துறை,
பெரியார் ச.வெ.ரா. கல்லூரி (தன்னாட்சி)
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நெறியாளர் சான்றிதழ்

முனைவர் ப. கிருஷ்ணன், எம். ஏ, எம். ஏ, எம். பில், பி. எச். டி.

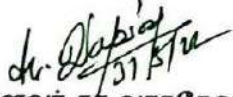
நாள்: 31.5.2022

உதவிப் பேராசிரியர், தமிழாய்வுத்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

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கி. ரா. வின் சிறுகதைகளின் கரிசல் மக்களின் வாழ்வியல் - ஓர் ஆய்வு என்னும் தலைப்பில் ஆய்வாளர் பா. கங்கா (பதிவு எண்: 20PTL13) அளித்துள்ள இத் திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன் நினைவாகவும் பாடத் திட்டத்தின் ஒரு பகுதியாக அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்தில் என் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.



(முனைவர் கர். வாசுதேவன்)

துறைத்தலைவர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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(முனைவர் ப. கிருஷ்ணன்)

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முனைவர்.ப.கிருஷ்ணன் எம்.ஏ.,எம்.ஏ.,பி.எச்.டி

உதவிப் பேராசிரியர்

தமிழாய்வுத்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி

திருச்சிராப்பள்ளி-620 023.

“செல்லாத பணம்” நாவலில் சமூகச் சித்திரிப்பு என்னும் தலைப்பில் ஆ.தீபா (பதிவு எண்:20PTL12) அளித்துள்ள இத்திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன் நிறைவாகவும் பாடத் திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து என் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்னும் சான்றளிக்கிறேன்.



(முனைவர்.கா.வாசுதேவன்)

துறைத் தலைவர் ஒப்பம்

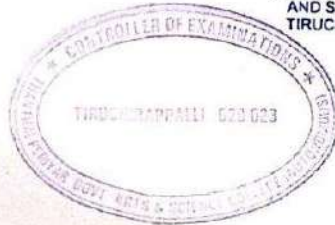
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தஞ்சைபதி)
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(முனைவர் ப. ப.கிருஷ்ணன்)

நெறியாளர் ஒப்பம்

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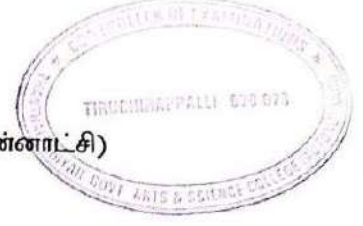
நெறியாளர் சான்றிதழ்

முனைவர்: அ. பிறைமதி

உதவி பேராசிரியர் - தமிழாய்வுத்துறை

தந்தை பெரியார் அரசு கலை அறிவியல் கல்லூரி (தன்னாட்சி)

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பெண் எழுத்தாளர் ஆர்.சூடாமணி என்னும் தலைப்பில் செல்வி கு. அருள்செல்வி (பதிவு எண்.20PTL11) அளித்துள்ள இத்திட்டக் கட்டுரை முதுகலைப் பயின்றதன் நிறைவாகவும் பாடத்திட்டத்தின் ஒரு பகுதியாகவும், அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் கல்லூரியில் முதுகலை தமிழ் இலக்கியம் பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும் வேறெந்த தேர்வின் பொருட்டும் இத்திட்டக் கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.


முனைவர் கா. வாசுதேவன்

துறைத்தலைவர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
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அ. பிறைமதி 27/5/2022
முனைவர் அ. பிறைமதி

நெறியாளர் ஒப்பம்

முனைவர், அ. பிறைமதி,
எம்.ஏ., எம்.ஊ.பில், பிஎச்.டி.,
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பெரியார் உயராயல், மையம்,
பெரியார் ச.வெ.ரா. கல்லூரி (தன்னாட்சி)
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CERTIFICATE

This is to certify that the dissertation entitled "**ANTI FUNGAL ACTIVITY OF LEAF EXTRACTS OF AZADIRACHTA INDICA**" submitted to Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli in partial fulfillment of requirements for the award of Degree **MASTER OF SCIENCE IN BOTANY** is a Bonafide work of **V. ARULSAKTHI (Reg. No. 20PBO09)** who carried out this work under my guidance in the Thanthai Periyar Government Arts and Science College (Autonomous), during the academic year (2020-2022). This dissertation has been prepared in his original work and it has not been submitted for any other Degree.

Place: Tiruchirappalli

Date:

30.05.2022
Signature of the Guide
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30/5/2022
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Arts & Science College
Tiruchirappalli

Examiner



06.22
Dr. A. SHAJAHAN, M.Sc., M.Phil., Ph.D.
Dean of Research and Consultancy
Coordinator of DBT Star College Scheme & Associate Professor of Botany,
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நெறியாளர் சான்றிதழ்

முனைவர் கி.மைதிலி

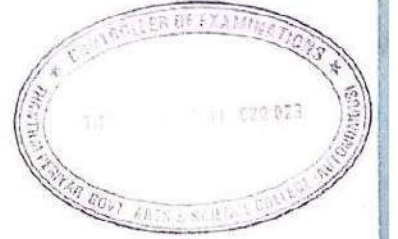
நாள்: 30.5.22

இணைப்பேராசிரியர், தமிழாய்வுத்துறை,

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முனைவர் கா.வாசுதேவன்

முனைவர் கி.மைதிலி

துறைத்தலைவர் ஒப்பம்,

நெறியாளர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
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முனைவர் கி.மைதிலி, எம்.ஏ.எம்.பி.எல்.எம்.எட்.பி.எச்.டி.,
உதவிப் பேராசிரியர்
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திருச்சிராப்பள்ளி-23.

நெறியாளர் சான்றிதழ்

முனைவர் கி. மைதிலி.,

நாள் : 30-05-2022

எம்.ஏ., எம்.ஃபில்., எம்.எட்., பி.எச்.டி.,

உதவிப்பேராசிரியர், தமிழாய்வுத்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி - 620 023.

இனியவை நாற்பது அமைப்பும் பொருளும் - ஓர் ஆய்வு எனும் தலைப்பில் ஆய்வாளர் சா. சத்தியன் (பதிவு எண்: 20PTL08) அளித்துள்ள இத்திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன் நிறைவாகவும் பாடத் திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து என் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.


(முனைவர் கி.வாசுதேவன்)


(முனைவர் கி. மைதிலி)

துறைத்தலைவர் ஒப்பம்
தமிழாய்வுத்துறை தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

நெறியாளர் ஒப்பம்
முனைவர் கி. மைதிலி, எம்.ஏ., எம்.ஃபில்., எம்.எட்., பி.எச்.டி.,
உதவிப்பேராசிரியர்
தமிழாய்வுத்துறை
பெரியார் அரசு கலை, கல்வியறிவு (தன்னாட்சி)
திருச்சிராப்பள்ளி-23.



நெறியாளர் சான்றிதழ்

முனைவர் க. காசிமாரியப்பன்

நாள்: 31/05/2022

இணைப்பேராசிரியர், தமிழ்த்துறை,

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி(த),

திருச்சிராப்பள்ளி - 620 023

“சஞ்சீவி யர்வதத்தின் சாரல் - ஓர் ஆய்வு” என்னும் தலைப்பில்

செல்வன் ச. சசிநாதன் (பதிவு எண்: 20PTL07) அளித்துள்ள இத்திட்டகட்டுரை

முதுகலை பயின்றதன் நிறைவாகவும் பாடத்திட்டத்தின் ஒரு பகுதியாகும்.

அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் கலை மற்றும் அறிவியல்

கல்லூரியில் முதுகலைத் தமிழிலக்கியம் பயின்ற காலத்து என்

மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும்

இத்திட்டக் கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

ஆய்வு நெறியாளர்

முனைவர் க. காசிமாரியப்பன்

க. காசி மாரியப்பன் பி.எச்.டி.,

தமிழ் இணைப் பேராசிரியர்,

பெரியார் எ.வி.வ.ரா. கல்லூரி

திருச்சிராப்பள்ளி - 620 023

தமிழாய்வுத்துறைத் தலைவர்

(முனைவர் கா. வாசுதேவன்)

தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தந்தை பெரியார்)
திருச்சிராப்பள்ளி - 620 023



நெறியாளர் சான்றிதழ்

முனைவர் வ. நாராயணநம்பி, எம். ஏ. பி. எச். டி.,

நாள்: 30.05.22.

இணைப்பேராசிரியர் - தமிழாய்வுத்துறை,

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி - 620 023.

"பன்முக நோக்கில் "கழுதைப்பாதை" என்னும் தலைப்பில் இரா. ரெங்கராஜ் (பதிவு எண்: 20PIL06) அளித்துள்ள இத்திட்டக் கட்டுரை, முதுகலைப் பயின்றதன் நிறைவாகவும், பாடத்திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழிலக்கியம் பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும், வேறெந்த தேர்வின் பொருட்டும் இத்திட்டக் கட்டுரைத் தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

துறைத்தலைவர் ஒப்பம்

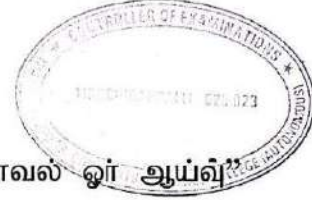
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.

Dr. V. Narayana Nambi
Associate Professor
PG. & Research Dept of Tamil
Thanthai Periyar Govt.
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Trichy-620 023.

நெறியாளர் சான்றிதழ்

நாள் : 24.5.22

முனைவர் மு. அருணாசலம்., எம்.ஏ., எம்.பில்., பிஎச்.டி.,
இணைப்பேராசிரியர், தமிழாய்வுத்துறை
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (த)
திருச்சிராப்பள்ளி - 620 023.



“ஆண்டாள் பிரியதர்ஷினியின் தகனம் நாவல் ஓர் ஆய்வு”

என்னும் தலைப்பில் இரா. மணிகண்டன் (பதிவு எண் : 20PTL05) தந்துள்ள
இத்திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன் நிறைவாகவும் பாடத்
திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு
கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற
காலத்து என் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின்
பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

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(முனைவர் கர். வாசுதேவன்)

(Handwritten signature)

(முனைவர் மு. அருணாசலம்)

துறைத் தலைவர் ஒப்பம்
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்நாட்சி)
திருச்சிராப்பள்ளி - 620 023

நெறியாளர் ஒப்பம்
Dr. M. ARUNACHALAM, M.A., M.Phil., Ph.D.,
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Tiruchirappalli-620 023.

நெறியாளர் சான்றிதழ்

வெ.சங்கரநாராயணன் M.A., M.phil.,ph.D

இணைப்பேராசிரியர் தமிழாய்வுத்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சி)

திருச்சிராப்பள்ளி -620023




'செம்மொழித் தமிழ் நூல்கள்' என்னும் தலைப்பில்
ஆய்வாளர் திரு ந.கிருஷ்ணமூர்த்தி

(பதிவு எண்: 20PTL04) ஆய்வுமேற்கொண்டு முதுகலைத்
தமிழிலக்கியப் பட்டத்திற்காகத் திருச்சிராப்பள்ளி பாரதிதாசன்
பல்கலைக்கழகத்திற்கு அளிக்கும் இத்திட்டக்கட்டுரை அவர் தன்
சொந்த முயற்சியில் எனது மேற்பார்வையின் கீழ்
மேற்கொள்ளப்பெற்றது என்றும் வேறு எப்பட்டத்திற்கும்
இத்திட்டக்கட்டுரை வழங்கப்பெறவில்லை என்றும்
சான்றளிக்கிறேன்.

துறைத்தலைவர் ஒப்பம்

நெறியாளர் ஒப்பம்


(முனைவர் கா.வாசுதேவன்)


(முனைவர் வெ.சங்கரநாராயணன்)

தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
-- திருச்சிராப்பள்ளி - 620 023 --

Dr. V. SANKARANARAYANAN
M.A., T.P.T., M.Phil., Ph.D.
ASSOCIATE PROFESSOR OF TAMIL
THANTHAI PERIYAR GOVT. ARTS & SCIENCE COLLEGE (A)
TIRUCHIRAPPALLI - 620 023

தெறியாளர் சான்றிதழ்

முனைவர் ப.வெங்கடேசன்.,

நாள்: 27/11/22

எம்.ஏ., எம்ஃபில்., எம்.எட்., பி.எச்.டி.,

இணைப்பேராசிரியர், தமிழாய்வுத்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி - 620 023.

நாஞ்சில் ஆனந்தனின் 'கடலம்மை' சிறுகதைத்தொகுப்பு - ஓர் ஆய்வு
என்னும் தலைப்பில் ஆய்வாளர் செ.கோகுல்ராஜ் (பதிவு எண்: 20PTL03)
அளித்துள்ள இத்திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன்
நிறைவாகவும் பாடத் திட்டத்தின் ஒரு பகுதியாகவும் அவர்
திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல்
கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து என்
மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும்
இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

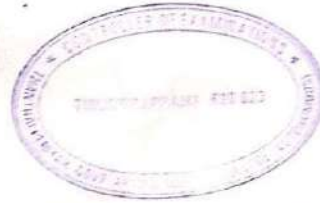

(முனைவர் கர்.வாசுதேவன்)


(முனைவர் ப.வெங்கடேசன்)

துறைத்தலைவர் ஒப்பம்

தெறியாளர் ஒப்பம்

தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023



நெறியாளர் சான்றிதழ்



முனைவர் கா.வாசுதேவன்.,

நாள் : 28.05.22.

இணைப்பேராசிரியர், தமிழாய்வுத்துறைத் தலைவர்

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)

திருச்சிராப்பள்ளி - 620 023.

குழுமாயி அம்மன் திருவிழா - ஓர் ஆய்வு என்னும் தலைப்பில் ஆய்வாளர் அ.அய்யாசாமி (பதிவு எண்: 20PTL02) அளித்துள்ள இத்திட்டக்கட்டுரை, முதுகலைத் தமிழ் பயின்றதன் நிறைவாகவும் பாடத் திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து என் மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

(முனைவர் கா.வாசுதேவன்)

(முனைவர் கா.வாசுதேவன்)

துறைத்தலைவர் ஒப்பம்
தமிழாய்வுத்துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
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நாள் : 31/5/22

முனைவர் : ப.வெங்கடேசன்

இணைப்பேராசிரியர், தமிழ்த்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (து)
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விண்ணும் மண்ணும் சிறுகதைத்தொகுப்பு - ஓர் ஆய்வு என்னும் தலைப்பில் சி.அழகர்ராஜா பதிவு எண்: 20PTL01 அளித்துள்ள இத்திட்டக்கட்டுரை. முதுகலை பயின்றதன் நிறைவாகவும், பாடத்திட்டத்தின் ஒரு பகுதியாகவும் அவர் திருச்சிராப்பள்ளி தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரியில் முதுகலைத் தமிழ் இலக்கியம் பயின்ற காலத்து எனது மேற்பார்வையில் உருவானது என்றும் வேறெந்தத் தேர்வின் பொருட்டும் இத்திட்டக்கட்டுரை தரப்படவில்லை என்றும் சான்றளிக்கிறேன்.

Dr. P. Venkatesan
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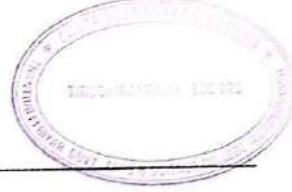
தமிழ்த் துறைத்தலைவர்

தமிழ்த்துறைத்தலைவர்
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This is certify that this thesis work entitled " APPLICATION OF ARIMA MODEL FOR FORECASTING AGRICULTURAL PRODUCTION OF THE RICE IN TAMIL NADU" is submitted to THANTHAI PERIYAR E.V.R. COLLEGE (Autonomous), Thiruchirappalli-23 by T.YOGESHWARI (Reg.No.20PST30). This is a bonafide work carried out by her under my supervision and guidance during the academic year 2021-2022.

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This is to certify that the project work entitle "EFFECT OF COPPER SULPHATE ON SEED GERMINATION AND SEEDLING GROWTH OF GREEN GRAM (*Vigna radiata* (L) Wilczek.) submitted by J. SASI (20PBO08) was carried out under my guidance and supervision in partial fulfillment of Master of Science in Botany during the academic year 2021 - 2022 at P.G. and Research Department of Botany, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli.

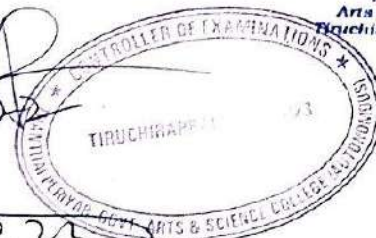

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Head of the Department 31/5/2022

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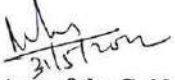


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This is certify that this thesis work entitled "A STUDY ON AWARENESS AND BURDEN OF DISEASE AMONG TEXTILE DYING INDUSTRIAL WORKERS IN KARUR CITY" is submitted to THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous), Trichy - 23 affiliated to BHARATHIDASAN UNIVESITY by TAMILTHENDRAL .P. (Reg.No.20PST29). This is a bonafide work carried out by her under my supervision and guidance during the academic year 2021-2022.


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This is to certify that the dissertation entitled "A STATISTICAL ANALYSIS OF ORPHANAGES AROUND IN TIRUCHIRAPPALLI DISTRICT" is a bonafide record of research work done by SOWMIYA N., Reg.No.20PST28, submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN STATISTICS during the year 2021-2022 in the Department of Statistics, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.

Signature of the HOD

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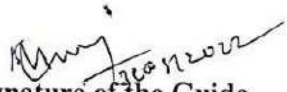
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This is to certify that this project work entitled "TIME SERIES ANALYSIS OF STOCK MARKET PRICES AMONG THE SELECTED COMPANIES " is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), which is affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirappalli -23 by R.REVATHI (Reg.No.20PST27) in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by her under my supervision and guidance during the academic year 2021-2022.


Signature of the HOD

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This is to certify that this project work entitled "A STUDY OF IMPACTS OF LIKINGS FOR CHOCOLATES AMONG COLLEGE STUDENTS" is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), which is affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirappalli by S. RENUGA DEVI (Reg.No.20PST26) in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by her, under my supervision and guidance during the academic year 2021-2022.

Signature of the HOD

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Date: 31/5/22

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This is to certify that the project entitled "A STATISTICAL STUDY ON STATISFICATION LEVEL OF HOSTEL STUDENTS IN TIRUCHIRAPPALLI" is a bonafide record of research work done by P.PRIYANGA, (Reg.No:20PST25), submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN STATISTICS during the year 2021-2022 in the Department of Statistics, under my guidance and supervision. The project has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.


Signature of the HOD
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This is to certify that the dissertation entitled "STATISTICAL ANALYSIS ON JOB PREFERENCE AMONG FINAL YEAR ARTS & SCIENCE COLLEGE STUDENTS IN TRICHY CITY" is a bonafide record of research work done by PRIYADHARSHINI B,20PST24., submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirapalli, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN STATISTICS during the year 2021-2022 in the Department of Statistics, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other

similar titles. →

Signature of the HOD

துறைத்தலைவர்
புள்ளியியல் துறை
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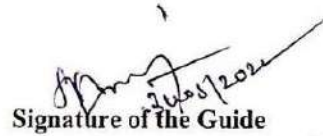
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This is to certify that this project work entitled **A COMPARATIVE STUDY ON LIFE EXPECTANCY IN INDIA AND SRILANKA** is submitted to **THANTHAI PERIYAR GOVT ARTS AND SCIENCE COLLEGE (Autonomous)**, which is affiliated to **BHARATHIDASAN UNIVERSITY, Tiruchirappalli** by **M.OVIYA (Reg.No.20PST23)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN STATISTICS**. This is a bonafide work carried out by ^{her} him under my supervision and guidance during the academic year 2021-2022.



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This is to certify that the project entitled "A STATISTICAL ANALYSIS OF EQUIPMENT AND PERSONNEL LOSSES ASSOCIATED WITH RUSSIA INVASION OF UKRAINE IN 2022" is a bonafide record of research work done by KEERTHIGA.B., Reg.No.20PST20, submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN STATISTICS during the year 2021-2022 in the Department of Statistics, under my guidance and supervision.



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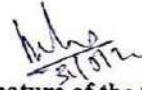
CERTIFICATE

This is certify that this thesis work entitled "A STATISTICAL STUDY ON BEST TEXTILE SHOPS IN TRICHY CITY" is submitted to THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous), Tiruchirapalli – 23 affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirapalli – 23 by ANUSUYA.A (Reg.No.20PST16). This is a bonafide work carried out by her under my supervision and guidance during the academic year 2021-2022.



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This is to certify that this project work entitled "A STATISTICAL STUDY ON PSYCHOLOGICAL IMPACT OF COVID 19 IN THIRUKKALAPPUR" is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), which is affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirappalli by P.DEEPA (Reg. No. 20PST18) in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by her under my supervision and guidance during the academic year 2021-2022.



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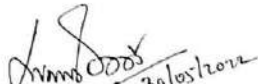
PG AND DEPARTMENT OF BOTANY,


THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A),

TIRUCHIRAPPALLI -620 023.

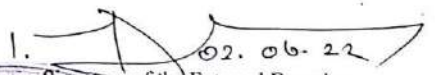
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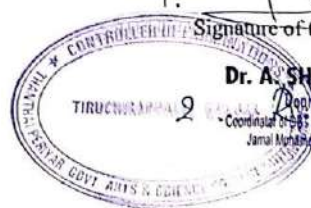
This is to certify that the project work entitled "SURVEY OF MEDICINAL PLANTS" IN SUBRAMANIYAPURAM, TIRUCHYPPALLI, submitted to the Department of Botany, THANTHAI PERIYAR GOVERNMENT ARTS SCIENCE COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI, in partial fulfilment of the recruitment for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a Bonafide record of original work done by S. POOVARASAN under my guidance.


30/05/2022
Research Supervisor


31/05/2022
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The Viva Voce Examination held on... 02.06.2022

1. 
02.06.22
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CERTIFICATE

This is to certify that the project entitled "A STATISTICAL ANALYSIS OF AIRLINE PASSENGER FORECASTING USING ARIMA MODEL" is a bonafide record of research work done by P.BHUVANESHWARI, Reg.No.20PST17 submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN STATISTICS during the year 2020-2022 in the Department of Statistics, under my guidance and supervision.

Signature of the HOD

Signature of the Supervisor

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
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Dr. M.BALASUBRAMANIAN, M.Sc., M.B.A.(Mktg.), M.B.A.(HRM), M.Phil, Ph.D.
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This is certify that this thesis work entitled "A STUDY ON DIGITAL DEVICE ADDICTION AMONG ARTS AND SCIENCE COLLEGE STUDENTS IN TIRUCHIRAPPALLI CITY" is submitted to THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous), Tiruchirapalli – 23 affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirapalli – 23 by ANUSUYA.A (Reg.No.20PST16). This is a bonafide work carried out by her under my supervision and guidance during the academic year 2021-2022.



Signature of the HOD

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புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
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This is to certify that project entitled "A STUDY OF HUMAN LEFT BRAIN VS RIGHT BRAIN AMONG COLLEGE STUDENTS AT TIRUCHIRAPALLI DISTRICT" is Submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Which is affiliated to Bharathidasan University, Tiruchirapalli by AKSHAYA G.V (Reg No: 20PST15) in partial fulfilment of the award of the MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by her during the academic year 2021 - 2022.



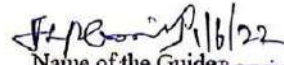
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துறைத்தலைவர்
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This is to certify that this project work entitled **A STATISTICAL ANALYSIS ON IMPACT OF COVID-19 IN TRICHIRAPALLI DISTRICT** is submitted to **THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous)**, which is affiliated to **BHARATHIDASAN UNIVERSITY, Trichirappalli** by **S.VELMURUGAN (Reg.No.20PST14)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN STATISTICS**. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2021-2022.


Signature of the HOD
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புள்ளியியல் துறை
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This is to certify that this project work entitled "STATISTICAL ANALYSIS ON IMPACT ON VIDEO GAMES ON STUDENT IN TRICHY DISTRICT" is submitted to **THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous)**, which is affiliated to **BHARATHIDASAN UNIVERSITY, Tiruchirappalli** by **S.VARADHARAJ (Reg.No.20PST13)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN STATISTICS**. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2021-2022.



Signature of the HOD

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Signature of the Guide

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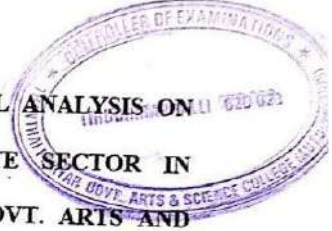
P.G and Research Department of Statistics,

Thanthai Periyar Government Arts And Science College (Autonomous)

Tiruchirapalli-620 023

CERTIFICATE

This is to certify that this project work entitled "STATISTICAL ANALYSIS ON STRESS LEVEL OF WOMEN WORKING IN PRIVATE SECTOR IN MANAMADURAI" is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), which is affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirappalli by K.UTHAYA SANKAR (Reg.No.20PST12) in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2021-2022.




01/06/22

Signature of the HOD

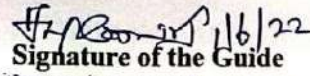
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புள்ளியியல் துறை

தந்தை பெரியார் அரசு கலை மற்றும்

அறிவியல் கல்லூரி (தன்னாட்சி)

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11/6/22

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உதவிப்பேராசிரியர்

புள்ளியியல் துறை

தந்தை பெரியார் அரசு கலை மற்றும்

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Assistant Professor,

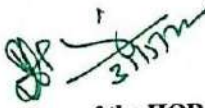
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Thanthai Periyar Government Arts And Science College (Autonomous),

Tiruchirapalli-620 023.

CERTIFICATE

This is to certify that this project work entitled **STUDY ON AWARENESS OF OVER THE TOP (OTT) PLATFORM IN TRICHY** is submitted to **THANTHAI PERIYAR GOVT ARTS AND SCIENCE COLLEGE (Autonomous)**, which is affiliated to **BHARATHIDASAN UNIVERSITY, Tiruchirappalli** by **B.SUBASH (Reg.No.20PST11)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN STATISTICS**. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2021-2022.


Signature of the HOD

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புள்ளியியல் துறை
நந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
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PG and Research Department of Statistics

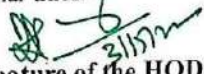
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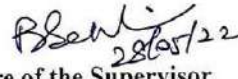
Date:28/05/2022

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON FACTORS AFFECTING LAPTOP PRICES IN FLIPKART" is a bonafide record of research work done by SELVARAJ C., Reg.No.20PST10, submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN STATISTICS** during the year **2021-2022** in the Department of Statistics, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.


Signature of the HOD

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
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Date: 31/5/22

CERTIFICATE

This is to certify that this project work entitled "A STATISTICAL STUDY ON HEART DISEASE ANALYSIS" is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), which is affiliated to BHARATHIDASAN UNIVERSITY, Tiruchirappalli by T.RAMKUMAR (Reg.No.20PST09) in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by him, under my supervision and guidance during the acaderhic year 2021-2022.



Signature of the HOD

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
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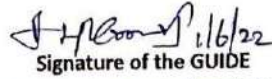
CERTIFICATE

This is to certify that this project work entitled **STATISTICAL ANALYSIS OF SHEEP BREEDS IN TAMILNADU** is submitted to **THANTHAI PERIYAR GOVT ARTS AND SCIENCE COLLEGE (Autonomous)**, which is affiliated to **BHARATHIDASAN UNIVERSITY, Tiruchirappalli** by **N.NAVEENKUMAR (Reg.No.20PST08)** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN STATISTICS**. This is a bonafide work carried out by ^{him} ~~her~~ under my supervision and guidance during the academic year 2021-2022.



Signature of the HOD

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சி-620 023.



Signature of the GUIDE

முனைவர். ச. புவனேஸ்வரி
உதவிப்பேராசிரியர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
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Research supervisor

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ASSISTANT PROFESSOR,

PG AND DEPARTMENT OF BOTANY,

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CERTIFICATE

This is to certify that the project work entitled "PHYTOCHEMICAL ANALYSIS OF ETHANOLIC EXTRACT OF KERNEL OF ZEA MAYS L. THROUGH GC-MS" submitted to the Department of Botany, THANTHAI PERIYAR GOVERNMENT ARTS SCIENCE COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI, in partial fulfilment of the recruitment for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a Bonafide record of original work done by P. MOGESHI KUMAR under my guidance.

Ruby Priskilla

Research Supervisor

Shantha Margaret
31/05/2022
Signature of Head of the Department

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Tiruchirappalli-620 023, Tamil Nadu, India.

The Viva Voce Examination held on.....



Signature of the External Examiner

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Thanthai Periyar Government Arts And Science College (Autonomous),
Tiruchirapalli-620 023.

Date:

CERTIFICATE

This is to certify that the dissertation entitled "**STATISTICAL ANALYSIS ON IMPACT OF TAMIL TV SERIALS ON RURAL WOMENS IN TRICHY DISTRICT**" is a bonafide record of research work done by **M.MERGIN BLESSED**, (Reg.No:20PST07), submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirapalli, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN STATISTICS** during the year **2021-2022** in the Department of Statistics, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.



Signature of the HOD

**துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
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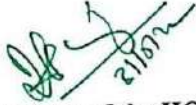


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This is certify that this thesis work entitled **STATISTICAL ANALYSIS ON THE MENTAL AND PHYSICAL HEALTH OF TRANSGENDERS IN TIRUCHIRAPPALLI** is submitted to **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous)**, Thiruchirappalli-23 by **S. JOSEPH FRANCIS (Reg.No.20PST06)**. This is a Bonafide work carried out by him under my supervision and guidance during the academic year 2021-2022.



Signature of the HOD

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தந்தை பெரியார் அரசு கலை மற்றும்
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CERTIFICATE

This is to certify that project entitled "INDIAN SUPER LEAGUE PLAYERS POSITION PREDICTION USING MACHINE LEARNING" is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (AUTONOMOUS), which is affiliated to Bharathidasan University, Tiruchirappalli by JISMON GEORGE (Reg.No.:20PST05) in partial fulfillment of the requirements for the award of the MASTER OF SCIENCE IN STATISTICS .This is a bonafide work carried out by year during the academic year 2021-2022.




21/06/22

Name of the H.O.D

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Asst. Professor and Head

P.G & Research Department of Statistics

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புள்ளியியல் துறை
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அறிவியல் கல்லூரி (தன்னாட்சி)
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11/6/22

Name of the Guide

Dr. S. BHUVANESWARI
Assistant Professor

P.G Research & Department of statistics

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உதவிப்பேராசிரியர்
புள்ளியியல் துறை
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4

Dr. A. KACHI MOHIDEEN, M.Sc., Ph. D.,
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Tiruchirapalli-620 023.

Date:

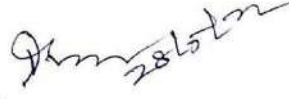
CERTIFICATE

This is to certify that the dissertation entitled "**A STATISTICAL STUDY ON INTERNET BROWSING HABITS AMONG COLLEGE STUDENT IN KARUR CITY**" is a bonafide record of research work done by **E.DHINESH KUMAR, (Reg.No:20PST03)**, submitted to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirapalli, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN STATISTICS** during the year **2021-2022** in the Department of Statistics, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.



Signature of the HOD

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சி-620 023.



Signature of the Supervisor

Dr.A.KACHI MOHIDEEN, M.Sc., Ph. D.,

Assistant Professor

P.G and Research Department of Statistics.

Thanthai Periyar Government Arts And Science College (Autonomous)

Tiruchirapalli-620 023

Date:

CERTIFICATE

This is to certify that the dissertation entitled "STATISTICAL ANALYSIS ON IMPACT OF PROFICIENCY ON ACADEMIC PERFORMANCE OF ARTS & SCIENCE STUDENTS IN TRICHY CITY" is a bonafide record of research work done by **DEVENDIRAN B, 20PST02** submitted to Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirapalli, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN STATISTICS** during the year **2021-2022** in the Department of Statistics, under my guidance and supervision. The dissertation has not previously formed the basis for the award to the candidate of any Degree, Diploma, Associateship, Fellowship or any other similar titles.

Signature of the HOD

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சி-620 023.

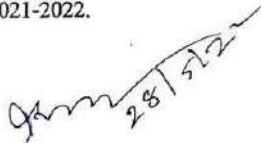
Signature of the Supervisor

Dr. A.KACHI MOHIDEEN., M.Sc., Ph.D.,
Assistant Professor
P.G and Research Department of Statistics.
Thanthai Periyar Government Arts And Science College (Autonomous)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that this project work entitled "STATISTICAL ANALYSIS OF MENSTRUAL HYGIENIC PRACTICES AMONG THE ADOLESCENT GIRLS IN THIRUCHIRAPPALLI DISTRICT " is submitted to THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), which is affiliated to BHARATHIDASAN UNIVERSITY, Thiruchirappalli by C.BHOOPATHY (Reg.No.20PST01) in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN STATISTICS. This is a bonafide work carried out by him under my supervision and guidance during the academic year 2021-2022.


Signature of the HOD


Signature of the Guide

துறைத்தலைவர்
புள்ளியியல் துறை
தந்தை பெரியார் கலை மற்றும்
அறிவியல் : (தன்னாட்சி)
தஞ்சை - 620 023.


Dr. P. SIVAKUMAR, M.Sc., M. Phil., Ph.D.,
Associate Professor,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous)
Tiruchirappalli- 620 023



Date: 30.05.22

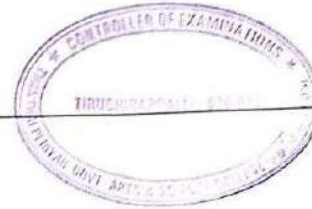
CERTIFICATE

This is to certify that this project work entitled **'HYDROTHERMAL SYNTHESIS OF SnS (TIN SULFIDE) NANOCOMPOSITES FOR HIGH ENERGY SYMMETRIC SUPERCAPACITORS'** submitted to the Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli, in Partial fulfillment of the **MASTER OF SCIENCE IN PHYSICS** is a bonafide record of work carried out by **M. VIJI [Reg.No: 20PPH25]** in the Department of Physics, Thanthai Periyar Government Arts & Science College (Autonomous), under my supervision during the academic 2020-2022.


Signature of the Research Advisor
Dr. P. SIVAKUMAR
ASSOCIATE PROFESSOR OF PHYSICS
THANTHAI PERIYAR GOVT. ARTS &
SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 23



Dr.S.DHEIVAMALAR. M. Sc.,B.Ed.,M.Phil.,
PGDCA., Ph. D.
Assistant Professor,
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ThanthaiPeriyar Government Art And Science
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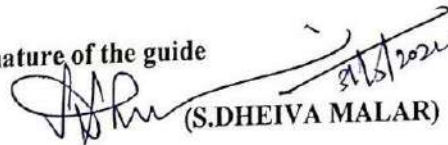
CERTIFICATE

This is to certify that the project work entitled "QUANTUM ENERGY CALCULATION ON 7-(D-*α*-AMINO-*α*-PHENYLACETAMIDO)-3-METHYL-3-CEPHEM-4-CARBOXYLIC ACID MONOHYDRATE COMPOUND USING DENSITY FUNCTIONAL THEORY STUDY" submitted to Thanthai Periyar Government Arts And Science College (Autonomous) affiliated to Bharathidasan university in partial fulfilment for the award of degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by S.VELUNACHIYAR (Reg. No. 20PPH24), under my supervision and guidance.


31.5.22

Head of the Department
HEAD
P G & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
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TIRUCHIRAPPALLI - 620 023.

Signature of the guide


21/5/2022
(S.DHEIVA MALAR)

Submitted for the Viva-Voice examination held on...02.06.22

Examiner

1. 
02.06.22
2. 
2/6/22

Dr. A. AUSTEIN M.Sc., M.Phil., Ph.D.,
Assistant Professor,
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Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project work entitled
"VIBRATIONAL SPECTROSCOPIC STUDIES AND
NORMAL COORDINATE ANALYSIS OF 3,4-DIMETHOX
BENZYL ALCOHOL" submitted to **THANTHAI PERIYAR
GOVERNMENT ARTS & SCIENCE COLLEGE,**
(Autonomous and Re Accredited). Affiliated to Bharathidasan
University, in partial fulfillment of the requirements for the award of
the degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide
record of a project work done by **P. SANTHA PRIYA**
(Reg.No:20PPH23) under my supervision and guidance.


Head of the Department
HEAD

PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

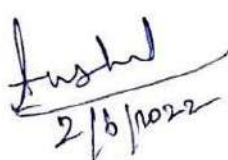



Signature of the Guide

(A. AUSTEIN)

Submitted for the Viva-Voce examination held on

Examiners

- 1
- 2 
2/6/2022

Dr. A. SAKTHIVELU M.Sc., M.Phil., Ph.D.,
Assistant Professor,
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(Autonomous and Re-Accredited),
Tiruchirappalli-620 023.

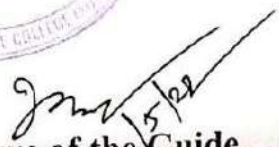
CERTIFICATE

This is to certify that the project work entitled **“TITANIUM DIOXIDE NANOPARTICLE INTEGRATED CONCRETE: AN ASSESSMENT OF NANOPARTICLE RELEASE WHEN EXPOSED TO UV RADIATION AND WET WEATHER CONDITIONS”** submitted to **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE**, (Autonomous and Re Accredited). Affiliated to Bharathidasan University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide record of a project work done by **B.PRIYADHARSHINI** (Reg.No:**20PPH22**) under my supervision and guidance.




Head of the Department

HEAD
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


Signature of the Guide
(A.SAKTHIVELU)

PG AND RESEARCH DEPARTMENT OF BOTANY,
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE
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TIRUCHIRAPPALLI - 620 023

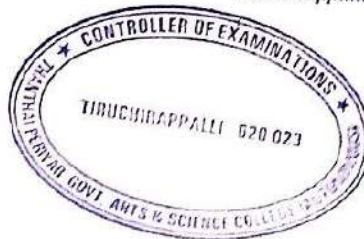
Date : 31/05/2022

CERTIFICATE

This is to certify that the project work entitle "EFFECT OF COPPER SULPHATE ON SEED GERMINATION AND SEEDLING GROWTH OF BLACK GRAM (*Vigna mungo* (L.) Hepper) submitted by K.KANNADASAN (20PBO05) was carried out under my guidance and supervision in partial fulfillment of Master of Science in Botany during the academic year 2021 - 2022 at P.G. and Research Department of Botany Thanthai Periyar Government Arts And Science College (Autonmous), Tiruchirappalli.-620023


Staff in Charge 31/05/22
Dr. P. JAYARAJU, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG and Research Department of Botany
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Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.


Head of the Department
Dr. P. SHANTHIA MARGARET,
M.Sc., M.Phil., Ph.D.,
Head & Associate Professor
PG & Research Department of Botany
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Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India.




Dr. P. SIVAKUMAR, M.Sc., M. Phil., Ph.D.,
Associate Professor,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous)
Tiruchirappalli- 620 023



CERTIFICATE



This is to certify that this project work entitled '**HIGH PERFORMANCE SYMMETRIC SUPERCAPACITOR INVESTIGATION USING HYDROTHERMALLY SYNTHESIZED BIMETALLIC NANOCOMPOSITES**' submitted to the Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli, in Partial fulfillment of the **MASTER OF SCIENCE IN PHYSICS** is a bonafide record of work carried out by **T. KOHILA [Reg.No: 20PPH21]** in the Department of Physics, Thanthai Periyar Government Arts & Science College (Autonomous), under my supervision during the academic 2020-2022.

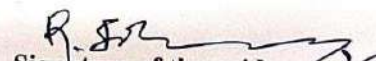

Signature of the Research Advisor
Dr. P. SIVAKUMAR
ASSOCIATE PROFESSOR OF PHYSICS
THANTHAI PERIYAR GOVT. ARTS &
SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 23

Dr. R. JOHN XAVIER, M.Sc., Ph.D.,
Assistant professor,
PG & Research Department of Physics,
Thanthai Periyar Government Arts And Science College
(Autonomous and Reaccredited "A"),
Tiruchirappalli-620 023.



CERTIFICATE

This is to certify that the project work entitled "VIBRATIONAL ANALYSIS, NLO PROPERTIES OF 2,4,6-TRIMETHYL BENZALDEHYDE" submitted to Thanthai Periyar Government Arts And Science College (Autonomous) affiliated to Bharathidasan university in partial fulfilment for the award of degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by Mr. B. GOKILA (Reg. No. 20PPH20), under my supervision and guidance.


HEAD
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.
Head of the Department


Signature of the guide 30/5

Examiner

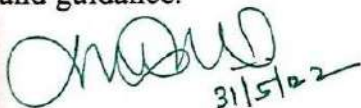
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02/6/22
- 
2/6/22

Dr. S.RAJALAKSHMI, M.Sc., M.Phil., Ph.D., P.G.D.C.A.,
Assistant Professor,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous and Re-Accredited),
Tiruchirappalli-620 023.

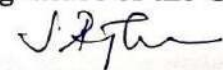
CERTIFICATE

This is to certify that the project work entitled
"PHOTOCATALYSIS USING TiO₂ NANOPARTICLES
CONTAINING SURFACE METAL SITES" submitted to
THANTHAI PERIYAR GOVERNMENT ARTS &
SCIENCE COLLEGE, (Autonomous and Re Accredited).
Affiliated to Bharathidasan University, in partial fulfillment of
the requirements for the award of the degree of **MASTER OF
SCIENCE IN PHYSICS**, is a bonafide record of a project work
done by **S.DHIVYA (Reg.No:20PPH19)** under my supervision
and guidance.




31/5/22

Head of the Department
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the Guide

(S.RAJALAKSHMI)

Submitted for the Viva-Voce examination held on ...02.06.22

Examiners

1  02.06.22

2  / 02 / 06 / 2022 .

Dr. A. AUSTEIN M.Sc., M.Phil., Ph.D.,
Assistant Professor,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous and Re-Accredited),
Tiruchirappalli-620 023.

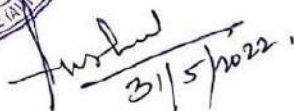
CERTIFICATE

This is to certify that the project work entitled
“CHARACTERIZATION AND APPLICATIONS OF
PHOTOVOLTAIC CELL USING ZnSe FILM” submitted to
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE, (Autonomous and Re
Accredited). Affiliated to Bharathidasan University, in partial
fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a
project work done by J. ANUJA (Reg.No:20PPH18) under my
supervision and guidance.




Head of the Department
HEAD


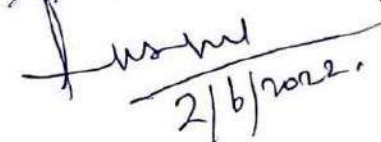
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


Signature of the Guide

(A. AUSTEIN)

Submitted for the Viva-Voce examination held on .02.06.22

Examiners

- 
02-06-22
- 
2/6/2022.

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

Associate Professor of Physics,

PG and Research Department of Physics,

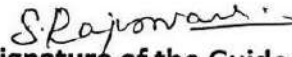
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE
(AUTONOMOUS AND REACCREDITED),


Tiruchirappalli-620 023,


CERTIFICATE

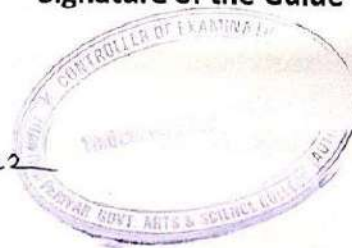
This is to certify that the project work entitled "NATURAL BOND ORBITAL ANALYSIS AND PARAMAGNETIC PROPERTY OF BENZENE AND BENZOIC ACID" submitted to THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE E.V.R COLLEGE, (Autonomous and ReAccredited). affiliated to Bharathidasan University, Thiruchirappalli-23 in partial fulfillment of the requirement for the award of the degree of "MASTER OF SCIENCE IN PHYSICS", is a bonafide record of a project work done by A.VIJAYAPRATHAP (Reg.No:20PPH17) under my supervisor and guidance.


PG & RESEARCH DEPARTMENT OF PHYSICS
Head of the Department
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023,
Examiners


Signature of the Guide

1 
02.06.22

2 
02/06/22





**Dr. S. DHEIVA MALAR, M. Sc., B.Ed., M.Phil.,
PGDCA., Ph. D.**

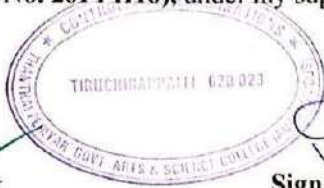
**Assistant Professor,
PG & Research Department of Physics,
Thanthai Periyar Government Art And Science
College (Autonomous and Re-accredited "A")
Tiruchirappalli-620 023**

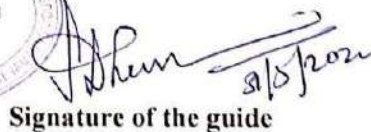
CERTIFICATE

This is to certify that the project work entitled "SPECTROSCOPIC STUDIES ON ACETAMINOPHEN (PARACETAMOL) COMPOUND USING DENSITY FUNCTIONAL THEORY STUDY" submitted to Thanthai Periyar Government Arts And Science College (Autonomous) affiliated to Bharathidasan university in partial fulfilment for the award of degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide record of a project work done by **V.SURYA (Reg. No. 20PPH16)**, under my supervision and guidance.


Head of the Department
HEAD

PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


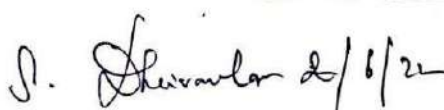



Signature of the guide

(S.DHEIVA MALAR)

Submitted for the Viva-Voice examination held on...02...06...2022

Examiner

1. 
02.06.22
2. 
2/6/22

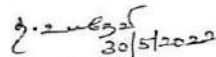
Dr.T. UMA DEVI,
Assitant Professor of Physics,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous and Re-Accredited),
Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project work entitled "**CRYSTAL GROWTH AND CHARACTERIZATION OF L-ASPARAGINE LITHIUM CHLORIDE**" submitted to **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE,** (Autonomous and Re Accredited). Affiliated to Bharathidasan University, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN PHYSICS,** is a bonafide record of a project work done by **A.SURENDAR (Reg.No:20PPH15)** under my supervision and guidance.




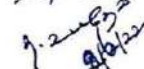
Head of the Department
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


Signature of the Guide

(T.UMA DEVI)

Submitted for the Viva-Voce examination held on 02/02/22

Examiners

- 1  02-06-22
- 2 



Prof. G. TAMILSELVI, M. Sc., M. Phil.,
Associate Professor of Physics,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous and Re-Accredited), Tiruchirappalli-620023

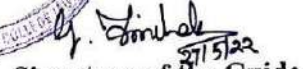
CERTIFICATE

This is to certify that the project work entitled "CRYSTAL GROWTH AND CHARACTERISATION OF GLYCINE LITHIUM CHLORIDE" submitted to THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE, (Autonomous and Re Accredited). Affiliated to Bharathidasan University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by S.SRINIVAS (Reg No:20PPH14) under my supervision and guidance.



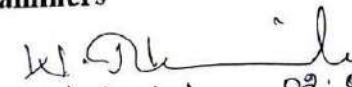


Head of the Department
HEAD

PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


Signature of the Guide
(G.TAMILSELVI)

Submitted for the Viva-Voce examination held on ..22.6.22

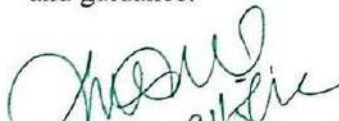
Examiners

- 1  02.06.22
- 2  21/6/22

J.SENTHIL KUMAR Ph.D.,
Assitant Professor of Physics,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College,
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Tiruchirappalli-23.

CERTIFICATE

This is to certify that the project work entitled "THERMAL PROPERTIES OF SODIUM SULFANILATE DIHYDRATE SINGLE CRYSTAL FOR OPTICAL WINDOW APPLICATION" submitted to Thanthai Periyar Government Arts & Science College, (Autonomous and Re Accredited).Affiliated to Bharathidasan University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by M.SATHIYAMOORTHY (Reg.No.20PPH13) under my supervision and guidance.


Head of the Department

HEAD
P.G & RESEARCH DEPARTMENT OF PHYSICS
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Signature of the Guide

Submitted for the Viva-Voce examination held on .02/04/2022

Examiners

1.  02/11/22

2.  2/11/22



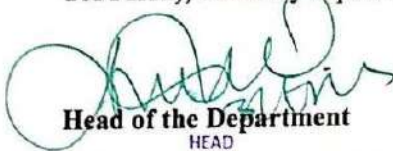
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE
COLLEGE (Autonomous)
(Govt. owned & Nationally Re - Accredited by NAAC with 'A' grade)
Affiliated to Bharathidasan University
Race course Road, Khajamalai, Tiruchirappalli - 620 023, India.

Phone: 0431 - 2420079(Off.) Fax: 0431 - 2332010(Off.)

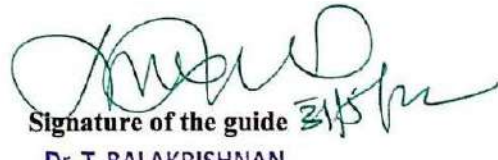
Dr. T. BALAKRISHNAN M.Sc., M.Phil. B.Ed., Ph.D.,
Head & Associate Professor of Physics

CERTIFICATE

This is to certify that the project work entitled "CRYSTAL GROWTH, SPECTROSCOPY, THERMAL AND ETCHING STUDIES OF GLYCINE POTASSIUM TETRAFLUOROBORATE SINGLE CRYSTAL" submitted to THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous) affiliated to Bharathidasan university in partial fulfilment for the award of degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by Mr. J. SANTHOSH (Reg. No. 20PPH12), under my supervision and guidance.



Head of the Department
HEAD

P G & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.
Examiner


Signature of the guide

Dr. T. BALAKRISHNAN
M.Sc., B.E.d., M.Phil., Ph.D.,
ASSOCIATE PROFESSOR AND HEAD
P G & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

1. 
02/6/22

2. 
2/6/22



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

Assistant Professor

P.G & Research Department of Botany

Thanthai Periyar Govt. Arts and Science College (Autonomous)

Trichirappalli – 620 023.

Date : 31.05.2022

CERTIFICATE

This is to certify that the project work entitle “ETHNOBOTANICAL SURVEY OF MEDICINAL PLANTS IN MAILAM HILLS, TAMILNADU” submitted by M. GUNASEKARAN Reg.No. 20PBO04 was carried out under my guidance and supervision in partial fulfillment of Master of Science in Botany during the 2021 - 2022 at P.G. and Research Department of Botany, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli-620023.


Staff in Charge


Head of the Department

Dr.F.SHANTHA MARGARET,
M.Sc., M.Phil., Ph.D.,
Head & Associate Professor
PG & Research Department of Botany
Thanthai Periyar Government
Arts & Science College (Autonomous)
Trichirappalli-620 023, Tamilnadu, India.



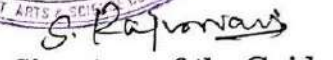
Prof. Dr. S. RAJESWARI. M. Sc., M. Phil., Ph. D,
Associate Professor of Physics,
PG and Research Department of Physics,
Thanthai Periyar Government arts and science College (Autonomous
and Re-Accredited),
Tiruchirappalli-620 023,

CERTIFICATE

This certify that the project work entitled “EFFECT OF ISOTOPE SUBSTITUENTS IN VIBRATION OF FORMIC ACID – DFT STUDY” submitted to **THANTHAI PERIYAR ARTS AND SCIENCE COLLEGE TIRUCHIRAPPALLI-23,** (Autonomous and Re-Accredited). Affiliated to Bharathidasan University, in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide record of a project work done by (Reg.No:2022PH11) under my supervision and guidance.


20.5.22
Head of the Department


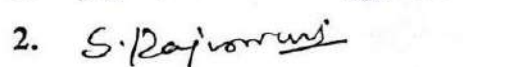
HEAD
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023,


Signature of the Guide

(S. RAJESWARI)

Submitted for the Viva-Voice examination held on ..02/06/2022.

Examiners

1. 
02.06.22
2. 

CERTIFICATE

This is to certify that the project work entitled "**CRYSTAL GROWTH AND CHARACTERIZATION OF ADIPIC DIHYDRAZIDE WITH 5- NITRO SALICYLALDEHYDE**" submitted to **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous)** affiliated to Bharathidasan University in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide record of a project work done by **Mr. K. MUGESHKANNA (Reg. No. 20PPH10)**, under my supervision and guidance.


Head of the Department
HEAD

P G & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


Signature of the guide
Dr.C.ARUNAGIRI, M.Sc., M.Phil., B.Ed., Ph.D.,
Assistant Professor
PG and Research Department of Physics
Thanthai Periyar Government Arts &
Science College (Autonomous)
Tiruchirappalli-620 023, Tamil Nadu.

Examiner

1.  02/6/22

2.  2/6/22



Dr.T. UMA DEVI,
Assitant Professor of Physics,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous and Re-Accredited),
Tiruchirappalli-620 023.

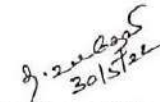
CERTIFICATE

This is to certify that the project work entitled "CRYSTAL GROWTH AND CHARACTERIZATION OF L-ALANINE LITHIUM CHLORIDE" submitted to THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE, (Autonomous and Re Accredited). Affiliated to Bharathidasan University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by P.MOHAN (Reg.No:20PPH09) under my supervision and guidance.


20-5-23

Head of the Department

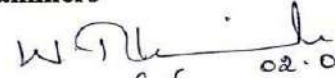

PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


20/5/22

Signature of the Guide
(T.UMA DEVI)

Submitted for the Viva-Voce examination held on 26/6/22.....

Examiners

- 1  02.06.22
- 2  26/6/22

Dr. R.SHANAJ BEGUM. M.SC., M. Phil., PGDCA., Ph.D.,
Asslstant Professor of Physics,
PG and Research Department of Physics,
Thanthal Periyar Government Arts and Science College,
Truchirappalli-620 023.


CERTIFICATE

This is to certify that the project work entitled "MOBILE PHONE DETECTOR"
submitted to Thanthal Periyar Government Arts and Science College, affiliated to
Bharathidasan University, in partial fulfillment for the award of the degree of
MASTER OF SCIENCE IN PHYSICS is a bonafide record of a project work done by
M.MOHAMED HUSSAIN (Reg.No:20PPH08) under my supervision and guidance.




Head of the Department

PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAL PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Submitted for the Viva-Voice examination held on.....


Signature of the Guide
(R.SHANAJ BEGUM)

Examiner

1. 
2. 



Dr. A. SAKTHIVELU M.Sc., M.Phil., Ph.D.,
Assistant Professor,
PG and Research Department of Physics,
Thanthai Periyar Government Arts & Science College
(Autonomous and Re-Accredited),
Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS, PROCESSING AND CHARACTERIZATION OF NANOCRYSTALLINE TITANIUM DIOXIDE" submitted to THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE, (Autonomous and Re Accredited). Affiliated to Bharathidasan University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by M.MATHIVANAN (Reg.No:20PPH07) under my supervision and guidance.



[Handwritten Signature]
31/5/22

Head of the Department
HEAD

P G & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

[Handwritten Signature]
31/5/22

Signature of the Guide
(A.SAKTHIVELU)

Submitted for the Viva-Voce examination held on ...2.14.22


Examiners

- 1 *[Handwritten Signature]* 02/11/22
- 2 *[Handwritten Signature]*

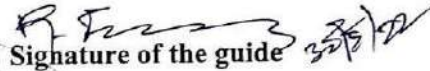
Dr. R. JOHN XAVIER, M.Sc., Ph.D.,
Assistant Professor
PG & Research Department of Physics
Thanthai Periyar Government Arts And Science College (Autonomous)
Tiruchirappalli-620 023

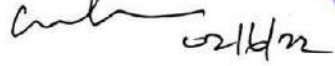

CERTIFICATE

This is to certify that the project work entitled 'ANALYSIS OF MOLECULAR STRUCTURE, VIBRATIONAL SPECTRA AND NLO STUDIES OF PENTA CHLORO NITROBENZENE' submitted to Thanthai Periyar Government Arts And Science College (Autonomous) affiliated to Bharathidasan university in partial fulfillment for the award of degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide record of a project work done by **Mr.S. MAHENDIRAN (Reg. No. 20PPH06)**, under my supervision and guidance.


HEAD 31/5/22
Head of the Department
DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.
Examiner





Signature of the guide

1. 
2. 

CERTIFICATE

This is to certify that the project work entitled 'GROWTH AND CHARACTERISATION OF ISOPHTHALIC DIHYDRAZIDE EITH TRICHLOROACETIC ACID ' submitted to Thanthai Periyar Government Arts And Science College (Autonomous) affiliated to Bharathidasan university in partial fulfillment for the award of degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by M. M.KESAVAN (Reg. No. 20PPH05), under my supervision and guidance.




31/5/22

Head of the Department

HEAD
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


31/5/2022
Signature of the
DR. G. ARUNAGIRI, M.Sc, M.Phil, B.Ed, Ph.D.,
Assistant Professor
PG and Research Department of Physics
Thanthai Periyar Government Arts and
Science College (Autonomous)
Tiruchirappalli-620 023, Tamil Nadu.

Examiner

1. 
02/6/22

2. 
12/6/2022




THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE
COLLEGE (Autonomous)
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Race course Road, Khajamalai, Tiruchirappalli - 620 023, India.


Phone: 0431 - 2420079(Off.) Fax: 0431 - 2332010(Off.)

Dr. T. BALAKRISHNAN M.Sc., M.Phil. B.Ed., Ph.D.,
Head & Associate Professor of Physics

CERTIFICATE

This is to certify that the project work entitled "PREPARATION, STRUCTURAL, OPTICAL AND PHOTOLUMINESCENCE PROPERTIES OF CuS THIN FILM" submitted to THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous) affiliated to Bharathidasan university in partial fulfilment for the award of degree of MASTER OF SCIENCE IN PHYSICS, is a bonafide record of a project work done by Mr. M. KAVIYARASAN (Reg. No. 20PPH04), under my supervision and guidance.


Head of the Department
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.
Examiner


Signature of the guide
Dr. T. BALAKRISHNAN
M.Sc., B.E.d., M.Phil., Ph.D.,
ASSOCIATE PROFESSOR AND HEAD
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

1.  22/6/22

2.  22/6/22



Prof. S. Lalitha. M. Sc., M. Phil., Ph. D.

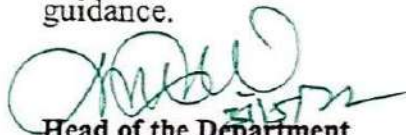
Associate Professor of Physics,

PG and Research Department of Physics,

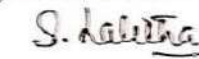
Thanthai Periyar Government Arts and Science College (Autonomous and Reaccredited), Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project work entitled "VIBRATIONAL SPECTROSCOPIC STUDY OF DIMETHYLISOPHTHALATE" submitted to **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE**, (Autonomous and Re accredited). Affiliated to Bharathidasan University, Thiruchirappalli-23 in partial fulfillment for the requirement for the award of the degree of **MASTER OF SCIENCE IN PHYSICS**, is a bonafide record of the original work done by **T.DHANABAL** (Reg.No:20PPH03) and under my supervision and guidance.


Head of the Department
PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the Guide


(S. LALITHA)

submitted for the Viva-Voice examination held on 02/06/22

Examiners

1.  02/06/22

2.  02/06/2022.

CERTIFICATE

This is to certify that the project work entitled 'OZONE DEPLETION AND CRISIS ANALYSIS IN GLOBAL LEVEL' submitted to Thanthai Periyar Government Arts And Science College (Autonomous) affiliated to Bharathidasan University in partial fulfilment for the award of degree of MASTER OF SCIENCE I PHYSICS, is a bonafide record of a project work done by Mr BALASUBRAMANIAN K (Reg. No. 20PPH02), under my supervision and guidance.


Head of the Department

P G & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHINAPALLI - 620 023.


Signature of the Guide

1. 

2. 



Research supervisor

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

ASSISTANT PROFESSOR,

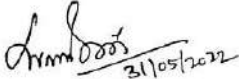
PG AND DEPARTMENT OF BOTANY,

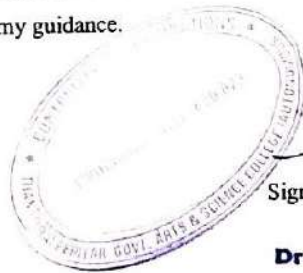
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A),

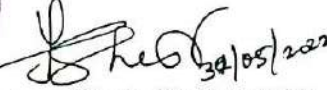
TIRUCHIRAPPALLI -620 023.

CERTIFICATE

This is to certify that the project work entitled "SURVEY & MEDICINAL PLANTS IN THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE CAMPUS, TIRUCHIRAPPALLI-23" submitted to the Department of Botany, THANTHAI PERIYAR GOVERNMENT ARTS SCIENCE COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI, in partial fulfilment of the recruitment for the award of MASTER OF SCIENCE for the academic year 2020-2022 is a Bonafide record of original work done by M.ARULMANI under my guidance.

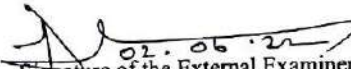

21/05/2022
Research Supervisor




30/05/2022
Signature of Head of the Department

Dr. F. SHANTHA MARGARET,
M.Sc., M.Phil., Ph.D.,
Head & Associate Professor
PG & Research Department of Botany
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India.

The Viva Voce Examination held on 02.06.2022


02.06.2022
Signature of the External Examiner

Dr. A. SHAJAHAN, M.Sc., M.Phil., Ph.D.
Dean of Research and Consultancy
Coordinator of B.E.T. Self-Employment Scheme & Associate Professor of Botany,
Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020

Research supervisor

Dr. R.SENTHIL KUMAR, M.Sc.,M.Phil., Ph.D.,PGDCA.,PDF.,

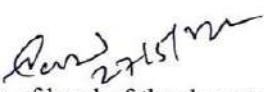
HEAD AND ASSISTANT PROFESSOR, DEPARTMENT OF BIO
CHEMISTRY,

THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE
COLLEGE(A),TIRUCHIRAPPALLI -620 023.

CERTIFICATE

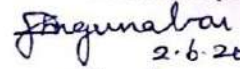
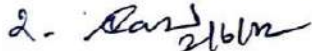
This is to certify that the project work entitled "IN VITRO STUDY OF ANTIUROLITHIATIC ACTIVITY IN RHIZOMES OF ZINGIBER OFFICINALE ON STRUVITE CRYSTALS." submitted to the Department of Bio chemistry, **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE(A) TIRUCHIRAPPALLI.** in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE** for the academic year 2020-2022 is a bonafide record of original work done by **A.RAJAESHWARAN** under my guidance. Research supervisor Signature of head of the department.


Research supervisor
Dr. R. SENTHILKUMAR,
Assistant Professor & Head,
Department of Biochemistry,
Thanthai Periyar Govt. Arts & Science College (A),
Tiruchirappalli - 620 023.


Signature of head of the department
Head Of the Department,
Department of Biochemistry,
Thanthai Periyar Government Arts and
Science College (Autonomous),
Tiruchirappalli - 620 023.

The viva voce examination held on 2.6.2022

Signature of the external examiner

1.  2.6.2022
2. 



THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE
(Autonomous)

TIRUCHIRAPPALLI-620 023.

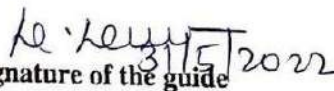
PG & RESEARCH DEPARTMENT OF PHYSICS

CERTIFICATE



This is to certify that the project work entitled "SYNTHESIS AND CHARACTERIZATION OF UNDOPED AND Ni-DOPED ZnO NANOPARTICLES" is a bonafide project work done by E.ARUN (Reg.No:20PPH01), PG & Research Department of Physics, Thanthai Periyar Government Arts and Science College (Autonomous***), Affiliated to Bharathidasan University, Tiruchirappalli in partial fulfilment of the requirements for the award of degree of MASTER OF SCIENCE IN PHYSICS, during the academic year 2021-2022.


Signature of the Head of the department
HEAD

PG & RESEARCH DEPARTMENT OF PHYSICS
THANTHAI PERIYAR GOVERNMENT
ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


Signature of the guide

Examiner

- (i)  02/6/22
- (ii)  02/6/2022

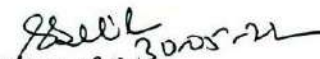


Dr. P. BHARATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG and Research Department of Mathematics
Thanthai Periyar Govt. Arts and Science College (Autonomous)
Tiruchirappalli-620 023

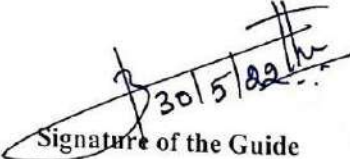
CERTIFICATE

This is to certify that the project work entitled "CHARACTERIZATION OF HEPTAGONAL NUMBER, OCTAGONAL NUMBER AND TRIANGULAR NUMBER" done under my guidance submitted to the Thanthai Periyar Govt. Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by

VIJAYALAKSHMI. N (Reg. No: 20PMA42) in the PG and Research Department of Mathematics, Thanthai Periyar Govt. Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-22.

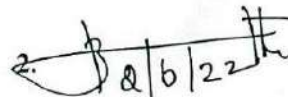

Signature of the

Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide

Dr. P. BHARATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli-620 023.
EXAMINERS:

1. N. 
2/6/22

2. 
2/6/22

Dr. P. BHARATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli-620 023.

**Dr. B. GAYATHRI, M.Sc., UGC-NET, M.Phil., Ph.D., P.G.D.C.A., M.C.A.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Govt. Arts and Science College (Autonomous)
Tiruchirappalli-620 023**

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON K BANHATTI INDEX OF GRAPHS" done under my guidance submitted to the Thanthai Periyar Govt. Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by


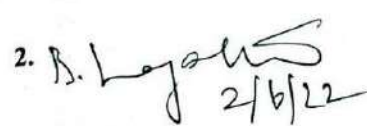
VALLI DEIVANAI. S (Reg.No:20PMA41)

in the PG and Research Department of Mathematics, Thanthai Periyar Govt. Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-22.


**Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023**


**Signature of the Guide
ASSOCIATE PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.**

EXAMINERS:

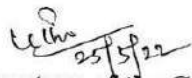
1. 
2. 

Dr. V. MALATHI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli-620 023.


CERTIFICATE

This is to certify that the project work entitled "A STUDY ON LINEAR DIOPHANTINE EQUATION" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **T.UMAMAHESHWARI(Reg.No:20PMA40)** in the PG and Research Department of Mathematics, Thanthai Periyar Govt. Arts Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-2022.


Signature of the
Head of the department
Head of the Department,
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the EXAMINERS:

1. 

2. 

Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

Dr. P. THIRUNAVUKARASU, M.Sc., M. Phil., Ph.D., PGDCA., B.Ed.,
Assistant Professor.
PG & Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (A),
Tiruchirappalli - 620 023.

CERTIFICATE

This is to certify that the Project work entitled "LIKELIHOOD RATIO ORDERING AND SOME APPLICATIONS" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE(A), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY, TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **THANUPRIYA T (Register No. : 20PMA39)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (A), Tiruchirappalli - 23, during the period 2020-2022.

ggell 30-05-22
SIGNATURE OF THE HOD

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

P. Thirunavukarasu 28/5/22
SIGNATURE OF THE GUIDE

Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

EXAMINERS

1. *[Signature]*
02/06/22

2. *P. Thirunavukarasu 2/6/22*
Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

Dr.B.GAYATHRI, M.Sc.,UGC-NET,M.Phil.,Ph.D.,P.G.D.C.A.,M.C.A.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli-620 023

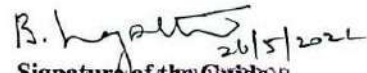
CERTIFICATE

This is to certify that the project work entitled "A STUDY ON CENTROIDAL AND F-CENTROIDAL MEAN LABELING OF GRAPHS" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by

SUDHARSANA.M (Reg.No:20PMA37)

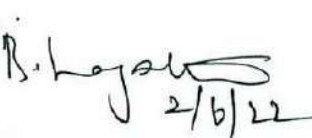
in the PG and Research Department of Mathematics,Thanthai Periyar Government Arts & Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-22.


Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

EXAMINERS.

1. 

2. 

Dr. P. MARAGATHA MEENAKSHI, M.Sc., M.Phil., PBDCSA., NET., Ph.D.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts and Science College (Autonomous)
Tiruchirappalli 620-023

CERTIFICATE

This is to certify the project work entitled "**A Study on Multiscale Singularly Perturbed Linear System of First Order Ordinary Differential Equations**" done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **SUBASHINI. S (Reg. No. 20PMA36)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli- 620 023 during the period 2020-2022.

Dr. P. Maragatha Meenakshi
31/05/22
Signature of Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

Dr. P. Maragatha Meenakshi
2/6/22
Internal Examiner
Dr. P. MARAGATHA MEENAKSHI,
M.Sc., M.Phil., PBDCSA., CSIR UGC NET., Ph.D.,
Associate Professor & Research Supervisor
PG & Research Department of Mathematics
Thanthai Periyar Govt. Arts & Science College (A)
Tiruchirappalli - 620 023, TAMIL NADU INDIA

Dr. P. Maragatha Meenakshi
28/5/22
Signature of the Guide
Dr. P. MARAGATHA MEENAKSHI,
M.Sc., M.Phil., PBDCSA., NET., Ph.D.,
Associate Professor & Research Supervisor
PG and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

Dr. M. Tamil Selvi
2/6/22
External Examiner
Dr. M. Tamil Selvi
Associate Professor & Head
SRC College, Tiruchy-2

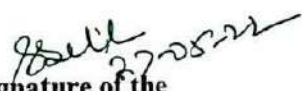
Dr.K.PONNAMMAL,M.Sc.,M.Phil.,M.C.A.,Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON SURFACES IN THE LARGE" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by

G.SIVA RANJANI (Reg.No:20PMA35)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science college (Autonomous), Tiruchirappalli -23 during the period 2020-2022.



Signature of the
Head of the department

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
Dr. K. PONNAMMAL, M.Sc., M.Phil., M.C.A., Ph.D.,
Assistant Professor,
PG & Res. Dept. of Mathematics,
Periyar E.V.R. College (Autonomous)
Tiruchirappalli - 620 023

EXAMINERS:

1.  2/6/22

2.  2/6/22

Dr. M. MARAGATHAM ,M.Sc., M.Phil., B.Ed., Ph.D.,
Associate Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts and Science College (Autonomous)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that the project work entitled "CENTERED TRIANGULAR SOME LABELING OF SOME GRAPHS" done under my guidance submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous)**, Trichy-23 affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by

REVATHI S (Reg.No:20PMA34)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science college (Autonomous), Tiruchirappalli -23 during the period 2020-2022

Revathi
30.05.22
Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

1. DR. P. SHANMUGANANTHAM
ASSO. PROF OF MATHS
National College
Trichy.

Dr. M. Maragatham
30.5.22
Signature of the Guide
Dr. M. MARAGATHAM.
M.Sc. M.Phil. Ph.D.
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government
Arts and Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.
EXAMINERS

1. *Dr. P. Shanmuganatham*
2/6/22
2. *Dr. M. Maragatham*
2-6-22

Dr.(Mrs.) R.RAZIYA BEGAM, M.Sc., M. Phil., B.Ed., M.C.A., Ph.D.,
Associate Professor,

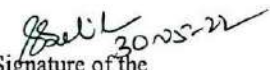
PG and Research Department of Mathematics,

Thanthai Periyar Government Arts & Science College (Autonomous).

Tiruchirappalli- 620 023.

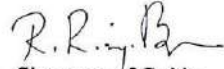
CERTIFICATE

This is to certify that the Project work entitled "**MAXIMUM DISTANCE BETWEEN MIDDLE PARTS IN GENERAL TREES**" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS)**, affiliated to the **BHARATHIDASAN UNIVERSITY, TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **T.PRAVEENA** (Register No. : 20PMA33) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.


Signature of the

Head of the department

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of Guide

Examiners

1. 
2/6/22

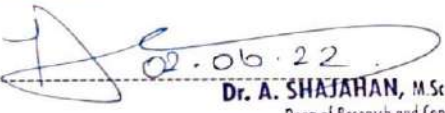

2. 
2/6/22

VIVA-VOCE EXAMINATION

The Project Viva-Voce Examination of the candidate
Mr. R. Anbarasan (Register No. 20PBO01) was held at the Dept of Botany,
Thanthai Periyar Government Arts and Science College (Autonomous),
Trichy – 620 023 on 02-06-2022.....


Signature of the HOD
Dr. F. SHANTHA MARGARET,
M.Sc., M.Phil., Ph.D.,
Head & Associate Professor
PG & Research Department of Botany
Thanthai Periyar Government
Arts & Science College (Autonomous)
Trichyappalli, P.O. U.T. Tiruchirappalli, Tamil Nadu.


Signature of the Project Guide

1. 
Dr. A. SHAJAHAN, M.Sc., M.Phil., Ph.D.
Dean of Research and Consultancy
Coordinator of DBT Star College Scheme & Associate Professor of Botany,
Thanthai Periyar Government Arts & Science College (Autonomous) Trichirappalli-620 023
2. 
02/06/2022

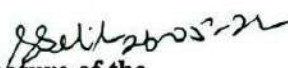
Dr. S. SETHURAMAN, M.Sc., M.Phil., Ph.D.,
Associate professor & Head,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023.

CERTIFICATE

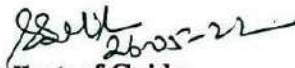
This is to certify that the Project work entitled "A STUDY ON LAGUERRE
POLYNOMIAL " done under my guidance and submitted to the **THANTHAI PERIYAR
GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23**
affiliated to the **BHARATHIDASAN UNIVERSITY – TRICHY** In partial fulfillment of the
requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS**
is a bonafide record of the work done by

P. PONMANI (Register No. : 20PMA32)

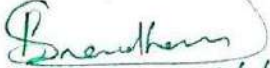
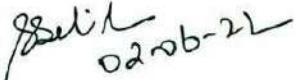
in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts &
Science College (Autonomous), Tiruchirappalli – 23 during the period 2020-2022


Signature of the

Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of Guide
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

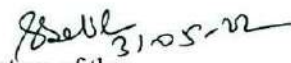
Signature of the Examiners

1. 
02/06/22
2. 
02/06/22

Dr. (Mrs.) K. KASTURRI, M.Sc., M. Phil., SLST., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023.

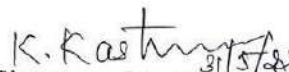
CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON FIBANOCCI AND LUCAS SUMS BY MATRIX METHODS" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY, TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **M.MARIAMMAL (Register No: 20PMA31)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.



Signature of the

Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023

Signature of the
External Examiners


Signature of the Guide

Dr.K.KASTURRI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
P.G. and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

1. 
02/06/22
Dr. P. Shanmugavelu
Asst. prof. of maths
NCT

2. 
2/6/22

Dr. A. THANTHAMBI, M.Sc., M.Phil., Ph.D., B.Ed., PGDCA,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (A),
Tiruchirappalli - 620 023

CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON SECOND ORDER PARTIAL DIFFERENTIAL EQUATIONS" done under my guidance and submitted to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (A), TRICHY-23 affiliated to the BHARATHIDASAN UNIVERSITY, TRICHY, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by M. KEERTHANA (Register No. : 20PMA30) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (A), Tiruchirappalli - 23, during the period 2020-2022.


Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide

Examiners

1. 
02/06/22

2.


02/06/22

Dr.K.RADHA,M.Sc.,M.Phil.,B.Ed.,SELT.,Ph.D.,
Assosicate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts and Science College (A)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON VERTEX MAGIC AND EVEN VERTEX MAGIC TOTAL LABELING" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by K.KANIMALAR (Reg.No:20PMA29) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-22.

28/05/22
Signature of the
Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023

28/5/22
Signature of the Guide
ASSOCIATE PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the Examiners

1. *A. Tamilselvi*
Dr.M.TAMIL SELVI
Associate Professor of Maths Head
Sreebalakshmi Ramaswamy
College (A), Trichy-2

2. *Dr. K. Radha*
Dr. K. RADHA M.Sc., M.Phil., B.Ed., SELT, Ph.D.,
Associate Professor of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023.

**A STUDY ON FUNDAMENTAL EQUATIONS OF SURFACE
THEORY**

A dissertation submitted to the
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli,
Affiliated to Bharathidasan University, Tiruchirappalli
in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

K.GAYATHRI

(Register No. : 20PMA28)

Under the Guidance of

Dr. (Mrs.) K.PONNAMMAL, M.Sc., M.Phil., M.C.A., Ph.D.,

Assistant Professor of Mathematics,

PG and Research Department of Mathematics,

Thanthai Periyar Government Arts and Science (Autonomous),

Tiruchirappalli - 620 023.



**PG AND RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE
(AUTONOMOUS),
TIRUCHIRAPPALLI- 620 023.**

MAY-2022

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

Associate Professor

PG and Research Department of Mathematics

Thanthai Periyar Government Arts and science College (A)

Trichirappalli - 620 023

CERTIFICATE

This is to certify that the work entitled "MARKOVIAN DECISION PROCESS" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A)**, affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **Ms. E.GANGA (Reg No:20PMA27)** in PG and Research Department of Mathematics, **THANTHAI PERIYAR ARTS AND SCIENCE COLLEGE(A)**, Triruchirappalli - 620 023 during the period 2020-2022.

20/05/22
Signature of the

Head of the department

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023

30.5.22
Signature of the Guide

Dr. M. MARAGATHAM,
M.Sc. M.Phil., Ph.D.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

Signature of the Examiners

1. *(Signature)*
2/6/22

2. *(Signature)*
2.6.22

1. **Dr. P. SHANMUGANANTHAM**
ASSO. PROF OF MATHS
NATIONAL COLLEGE
Trichy.

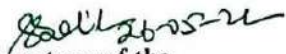
Dr. V. MALATHI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli-620 023.

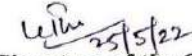
CERTIFICATE

This is to certify that the project work entitled "A STUDY ON FUZZY TREE AND FUZZY FOREST" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by

K.DHIVYA PRIYA (Reg.No:20PMA26)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-2022.


Signature of the
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the EXAMINERS:

1. 
M. Ganiladevi

2. 
Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

Dr. A. THANITHAMIL, M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (A),
Tiruchirappalli - 620 023


CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON TRIANGULATED GRAPH AND THE ELIMINATION PROCESS" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE(A), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY , TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **S.BHARATHI (Register No: 20PMA25)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (A), Tiruchirappalli – 23, during the period 2020-2022.


28/05/22
Signature of the

Head of the department

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide

Examiners

1. 
2/06/22


2. 
5/6/22

Dr. W. LILLY MERLINE, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli – 23.


CERTIFICATE

This is to certify that the project work entitled "**CLASSICAL ENCRYPTION TECHNIQUES**" done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), Trichy-23 affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **ANITHA.S** (Reg. No. **20PMA24**) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli-23 during the period 2020-2022.


Signature of the
Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
Dr. W. LILLY MERLINE
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the Examiners

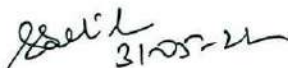
1. 
02/06/22

2. 
02/06/22

Dr. P. MARAGATHA MEENAKSHI, M.Sc., M.Phil., PBDCSA., NET., Ph.D.,
 Associate Professor
 PG and Research Department of Mathematics
 Thanthai Periyar Government Arts and Science College (Autonomous)
 Tiruchirappalli 620-023

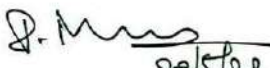
CERTIFICATE

This is to certify the project work entitled "**A Study on Partially Singularly Perturbed Linear System of First Order Ordinary Differential Equations**" done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **ABINAYA. J (Reg. No. 20PMA23)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli- 620 023 during the period 2020-2022.


 Signature of Head of the Department
 Head of the Department
 PG & Research Department of Mathematics
 Thanthai Periyar Government Arts & Science College (Autonomous)
 Tiruchirappalli - 620 023

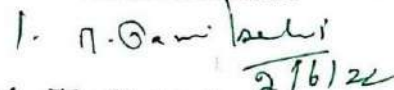
Internal Examiner

Dr. P. MARAGATHA MEENAKSHI,
 M.Sc., M.Phil., PBDCSA., NET., Ph.D.,
 Associate Professor & Research Supervisor
 PG & Research Department of Mathematics
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 Tiruchirappalli - 620 023, TAMIL NADU INDIA


 Signature of the Guide

Dr.P.MARAGATHA MEENAKSHI,
 M.Sc.,M.Phil.,PBDCSA.,NET.,Ph.D.,
 Associate Professor & Research Supervisor
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 Arts & Science College (Autonomous)
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External Examiner


 Dr. M. Tamil Selvi,
 Associate Professor & Head;
 SRC college, Trichy-2.

***SURVEY OF INDIGENOUS PLANTS IN THIYAGANUR
VILLAGE, THALAIVASAL TALUK, SALEM DISTRICT,
TAMIL NADU***

Dissertation submitted to

THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE

(Autonomous), TIRUCHIRAPPALLI

(Affiliated to Bharathidasan University, Tiruchirappalli)

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

MASTER OF SCIENCE IN BOTANY

Submitted by

R. ANBARASAN

Reg. No. 20PBO01

Under the guidance of

Dr. G. SUJATHA, M.Sc., Ph.D.,



**DEPARTMENT OF BOTANY
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

(Affiliated to Bharathidasan University)

TIRUCHIRAPPALLI – 620 023

MAY 2022

Dr. P. THIRUNAVUKARASU, M.Sc., M. Phil., Ph.D., PGDCA., B.Ed.,
Assistant Professor,
PG & Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (A),
Tiruchirappalli - 620 023.

CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON LATIN SQUARE DESIGN AND 2^2 - FACTORIAL DESIGN" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (A), TRICHY-23** affiliated to the **BHARATHUDASAN UNIVERSITY, TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **YOKESHWARAN C (Register No. : 20PMA22)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (A), Tiruchirappalli - 23, during the period 2020-2022.

28/05/22
SIGNATURE OF THE HOD

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

P. Thirunavukarasu
SIGNATURE OF THE GUIDE

Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

EXAMINERS

1. *[Signature]*
02/06/22

2.

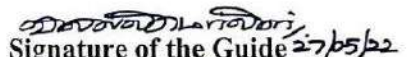
P. Thirunavukarasu
Dr. P. THIRUNAVUKARASU
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

Dr. W. LILLY MERLINE, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli – 23.

CERTIFICATE

This is to certify that the project work entitled “FUZZY MODEL USING FUZZY MATRIX” done under my guidance and submitted to the **Thanthai Periyar Government Arts And Science College (Autonomous), Trichy-23** affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **VISHNU GOPAL.N** (Reg. No. 20PMA21) in the PG and Research Department of Mathematics, **Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli – 23** during the period 2020 - 2022.


Signature of the
Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide 27/05/22
(Dr. W. Lilly Merline)
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the Examiners

1. 
02/06/22

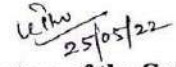
2. 
02/06/22

Dr.V.MALATHI, M.Sc., B.Ed., M.Phil., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON PELL'S EQUATION" done under my guidance submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE** (Autonomous and Accredited), Trichy-23 affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **G.VINOTHKUMAR (Reg. No. 20PMA20)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-2022.


Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of the Examiners

1. 

2. 

Dr. P. THIRUNAVUKARASU,
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Assistant Professor
PG & Research Department of Mathematics
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Arts & Science College (Autonomous)
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Dr. S. SETHURAMAN, M.Sc., M.Phil., Ph.D.,
Head & Associate Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023.

CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON HERMITE POLYNOMIAL " done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS) TRICHY-23**, affiliated to the **BHARATHIDASAN UNIVERSITY - TRICHY** In partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **S.VIGNESH** (Register No. : 20PMA19) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 during the period 2020-2022.

Sethu
3005-22
Signature of the

Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

Sethu
3005-22
Signature of Guide
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

Signature of Examiner

1. *S. Vignesh*
02/06/22
2. *Sethu*
0206-22

Dr. P. MARAGATHA MEENAKSHI, M.Sc., M.Phil., PBDCSA., NET., Ph.D.,

Associate Professor

PG and Research Department of Mathematics

Thanthai Periyar Government Arts and Science College (Autonomous)

Tiruchirappalli 620-023

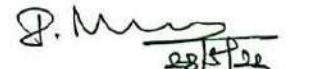
CERTIFICATE

This is to certify the project work entitled "**A Study on Singularly Perturbed Linear System of First Order Ordinary Differential Equations**" done under my guidance and submitted to the Thanthai Periyar Government Arts and Science College (Autonomous), affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **SURYA. D (Reg. No. 20PMA18)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli- 620 023 during the period 2020- 2022.


Signature of Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

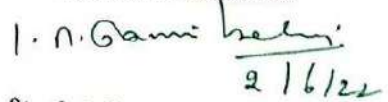
Internal Examiner

Dr. P. MARAGATHA MEENAKSHI,
M.Sc., M.Phil., PBDCSA., CSIR-UGC NET, Ph.D.,
Associate Professor & Research Supervisor
PG & Research Department of Mathematics
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Signature of the Guide

Dr. P. MARAGATHA MEENAKSHI,
M.Sc., M.Phil., PBDCSA., NET, Ph.D.,
Associate Professor & Research Supervisor
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TIRUCHIRAPPALLI-620 023.

External Examiner


Dr. M. Tamil Selvi,
Associate Professor & Head,
SRC college, Trichy-2.

Dr. K. RADHA, M.Sc., M.Phil., B.Ed., SLET., Ph.D.,
Associate Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli- 620 023.

CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON FUZZY SETS AND THEIR APPLICATIONS" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY - TRICHY** in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **SURESH.S (REGISTER NO : 20PMA17)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli - 23 during the period 2020-2022.

[Handwritten Signature]
Signature of the

Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
- Tiruchirappalli - 620 023

2. *[Handwritten Signature]* 2/6/22
Dr. M. FAMIL SELVI
Associate Professor of Maths & Head,
Seethalakshmi Ramaswamy
College, Trichy-2

[Handwritten Signature]
Signature of the Guide
Dr. K. RADHA, M.Sc., M.Phil., B.Ed., SLET., Ph.D.,
Associate Professor of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023.

Signature of the Examiner

1. *[Handwritten Signature]*
Dr. K. RADHA
Dr. K. RADHA, M.Sc., M.Phil., B.Ed., SLET., Ph.D.,
Associate Professor of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023.

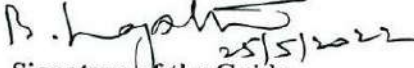
Dr.B.GAYATHRI,M.Sc., UGC-NET, M.Phil.,Ph.D.,P.G.D.C.A.,M.C.A.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts and Science College (A)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON POWER 3 MEAN GRAPHS" done under my guidance submitted to the THANTHAI PERIYAR GOVERMENT ARTS AND SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by
SRIDHAR.A (Reg.No:20PMA16)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-2022.


Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSOCIATE PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

EXAMINERS:

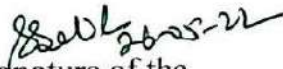
1. 
2/6/22

2. 
2/6/22

Dr. S. SETHURAMAN, M.Sc., M.Phil., Ph.D.,
Associate Professor & Head,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023.

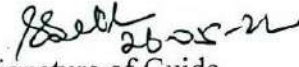
CERTIFICATE

This is to certify that the Project work entitled "**A STUDY ON LEGENDRE POLYNOMIAL** " done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY - TRICHY** In partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **S.SELVARAJ** (Register No. : 20PMA15) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 during the period 2020-2022.


Signature of the

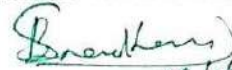
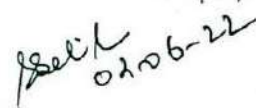
Head of the department

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of Guide

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

Signature of Examiner

- 
02/06/22
- 
02/06/22

Dr. (Mrs.) K. KASTURRI, M.Sc., M. Phil., SLST., Ph.D.,

Assistant Professor,

PG and Research Department of Mathematics,

Thanthai Periyar Government Arts & Science College (Autonomous),

Tiruchirappalli- 620 023.

CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON ITERATIVE METHODS FOR FIXED POINTS " done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY, TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **R. PRASANTH (Register No: 20PMA14)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.


Signature of the

Head of the department

Head of the Department

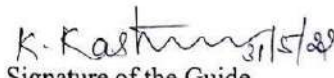
PG & Research Department of Mathematics

Thanthai Periyar Government Arts & Science College(Autonomous)

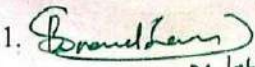
Tiruchirappalli - 620 023

Signature of the

External Examiners


Signature of the Guide

Dr.K.KASTURRI, M.Sc., M.Phil., Ph.D.
Assistant Professor
P.G. and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

1. 
02/06/22
Dr. P. Shanmuganathan
Asst. Prof. of Maths
KIT

2. 
2/6/22
Dr.K.KASTURRI, M.Sc., M.Phil., Ph.D.
Assistant Professor
P.G. and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

Dr. A. THANITHAMIL, M.Sc., M. Phil., Ph.D., B.Ed., PGDCA.,

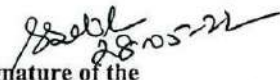
Assistant Professor,

PG and Research Department of Mathematics,

Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 620 023.


CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON LINEAR ALGEBRA WITH APPLICATION" done under my guidance and submitted to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23 affiliated to the BHARATHIDASAN UNIVERSITY, TRICHY, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by G. MUNISHWARAN (Register No. : 20PMA13) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.


Signature of the


Head of the department

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

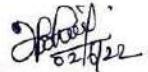

Signature of the Guide

Examiners

1.


2/6/22

2.


5/6/22

Dr.R.SENTHILKUMAR, MSc., M.Phil., Ph.D., PGDCA
Head and Assistant Professor
PG & Research Department of Biochemistry
Thanthai Periyar Govt.Arts and Science College (A)
Tiruchirappalli-23



CERTIFICATE

This is to certify that the dissertation entitled "NEMATICIDAL ACTIVITY OF POLYHERBAL FORMULATION AGAINST BANANA ROOT DISEASE" is a record of project work done by VASUKI.D(Reg. No: 20PBC20) under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at **THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous)**, Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

D. Vasuki
Candidate Signature

Dr. R. Senthilkumar
Signature of Head of the Department
Head Of the Department,
Department of Biochemistry,
Thanthai Periyar Government Arts and
Science College (Autonomous),
Tiruchirappalli - 620 023.

Dr. R. Senthilkumar
Guide Signature
Dr. R. SENTHILKUMAR,
Assistant Professor & Head,
Department of Biochemistry,
Thanthai Periyar Govt. Arts & Science College (A),
Tiruchirappalli - 620 023.

EXAMINERS

1. *J. J. J. J.* 2.6.2022
2. *Dr. R. Senthilkumar*

Dr. (Mrs.) K. KASTURRI, M.Sc., M. Phil., SLST., Ph.D.,

Assistant Professor,

PG and Research Department of Mathematics,

Thanthai Periyar Government Arts & Science College (Autonomous),

Tiruchirappalli- 620 023.

CERTIFICATE

This is to certify that the Project work entitled " A STUDY ON INTEGRAL TRANSFORM METHODS " done under my guidance and submitted to the THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23 affiliated to the BHARATHIDASAN UNIVERSITY, TRICHY, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by M.MOHANRAJ (Register No : 20PMA12) in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.

[Handwritten Signature]
31/05/22

Signature of the

Head of the department

Head of the Department

PG & Research Department of Mathematics

Thanthai Periyar Government Arts & Science College (Autonomous)

Tiruchirappalli - 620 023

[Handwritten Signature]
31/5/22

Signature of the Guide

Dr.K.KASTURRI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

Signature of the

External Examiners

1. *[Handwritten Signature]*
02/06/22

Dr. P. Shanmugasundaram

Asso. Prof. of Maths

NET

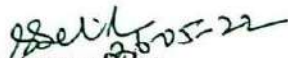
2. *[Handwritten Signature]*
2/6/22

Dr.K.KASTURRI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023

Dr. W. LILLY MERLINE, M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
Assistant Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts and Science College (Autonomous),
Tiruchirappalli – 23.

CERTIFICATE

This is to certify that the project work entitled “**APPLICATION OF FUZZY MATRIX IN REAL LIFE PROBLEMS**” done under my guidance and submitted to the **Thanthai Periyar Government Arts And Science College (Autonomous), Trichy-23** affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **MARTIN ROSARIO. J (Reg. No. 20PMA11)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli-23 during the period 2020-2022.

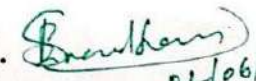

Signature of the

Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide

Dr. W. LILLY MERLINE
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS),
TIRUCHIRAPPALLI - 620 023.

Signature of the Examiners

1. 
04/06/22

2. 
02/06/22

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

Assosicate Professor

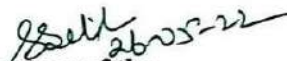
PG and Research Department of Mathematics

Thanthai Periyar Government Arts and Science College (A)

Tiruchirappalli-620 023.

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON PERFECT GRAPH AND CHORDAL GRAPHS" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (A), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **MARIYAPPAN K (Reg.No:20PMA10)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science(A), Tiruchirappalli- 23 during the period 2020-2022.


Signature of the

Head of the department



Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide

Dr. M. MARAGATHAM,
M.Sc, M.Phil, Ph.D.
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
TIRUCHIRAPPALLI-620 023.

EXAMINERS

1. Dr. P. SHANMUGANANTHAM
ASSO. PROF of MATHS
National college
Trichy.

1.  2/6/22
2.  2.6.22

Dr. P. BHARATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG and Research Department of Mathematics
Thanthai Periyar Govt. Arts and Science College (Autonomous)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON QUEUEING MODEL" done under my guidance submitted to the Thanthai Periyar Govt. Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by

MANIKANDAN. M (Reg. No: 20PMA09)

in the PG and Research Department of Mathematics, Thanthai Periyar Govt. Arts and Science college (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-22.

27/5/22
2705-22
Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023

27/5/22
Signature of the Guide
Dr. P. BHARATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli-620 023.

EXAMINERS:

- 27/6/22*
1. *N. Ganibselvar*
- 27/6/22*
2. *B*

Dr. P. BHARATHI, M.Sc., M.Phil., Ph.D.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts and Science College (Autonomous)
Tiruchirappalli-620 023. .

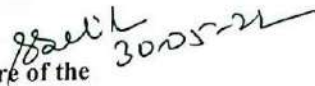
Dr.R.MURUGANANDAM,M.Sc.,M.Phil.,Ph.D.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts and Science College (A)
Tiruchirappalli-620 023


CERTIFICATE

This is to certify that the project work entitled "A STUDY ON DOMINATING COLORING NUMBER OF SOME GRAPHS" done under my guidance submitted to the THANTHAI PERIYAR GOVERMENT ARTS AND SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by



MANI. M (Reg.No:20PMA08)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-2022.


Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

EXAMINERS:

- 
02/06/22
- 
02/06/22

Dr.K.RADHA, M.Sc.,M.Phil.,B.Ed.,SLET.,Ph.D.,
Assosicate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts and Science College (A)
Tiruchirappalli-620 023

CERTIFICATE

This is to certify that the project work entitled "GALOIS THEORY AND SOME APPLICATIONS" done under my guidance submitted to the THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfillment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by A.KISHORE KUMAR (Reg.No:20PMA07) in the PG and Research Department of Mathematics, THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-22.

SELV
30/5/22
Signature of the
Head of the Department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023

Dr. K. Radha
30/5/22
Signature of the Guide
Dr. K. RADHA, M.Sc.,M.Phil.,B.Ed.,SLET.,Ph.D.,
Associate Professor of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023.

Signature of the Examiners

1. *A. Gamilars*
2/6/22
Dr. M. TAMIL SELVI
Associate Prof. of Maths
Seethalakshmi Ramaswamy
College, Tatchy-2

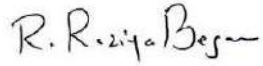
2. *Dr. K. Radha*
2/6/22
Dr. K. RADHA, M.Sc.,M.Phil.,B.Ed.,SLET.,Ph.D.,
Associate Professor of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023.

Dr.(Mrs.) R.RAZIYA BEGAM, M.Sc., M. Phil, B.Ed, M.CA. Ph.D.,
Associate Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023.


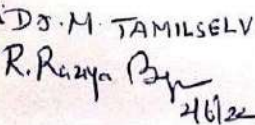
CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON EULER TOURS AND HAMILTON CYCLES " done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY ,TRICHY,** in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **P.KALAIVANAN (Register No. : 20PMA06)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.


Signature of the
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSOCIATE PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Examiners

1.  2/6/22
2. (Dr. M. TAMILSELVI, I.A.O.D & Associate Professor, SRC, Trichy)
 4/6/22

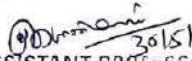
Dr. (Mrs.) K. PONNAMMAL, M.Sc., M. Phil., M.C.A., Ph.D.,
Assistant Professor.
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023.

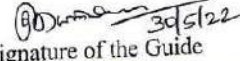
CERTIFICATE

This is to certify that the Project work entitled "A STUDY ON MINIMAL SURFACE" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS)**, affiliated to the **BHARATHIDASAN UNIVERSITY** in partial fulfillment of the requirements for the award of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by

C.KABISH KUIMARAN (Register No: 20PMA05)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli - 23 during the period 2020-2022.


30/5/22
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.


30/5/22
Signature of the Guide
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.
Signature of the Examiners:

1. 
2/6/22

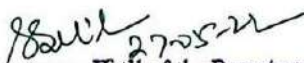
2. 
2/6/22



30/05/22
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023

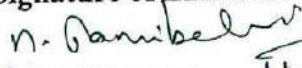
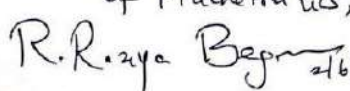
Dr.(Mrs.) R.RAZIYA BEGAM, M.Sc.,M.Phil, B.Ed,M.CA. Ph.D.,
Associate Professor,
PG and Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (Autonomous),
Tiruchirappalli- 620 023

CERTIFICATE

This is to certify that the Project work entitled " A STUDY ON INDEPENDENT SETS AND CLIQUES " done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE (AUTONOMOUS), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY , TRICHY** In partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **S.JUSTIN BOSCO (Register No. : 20PMA04)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli – 23, during the period 2020-2022.


Signature of the Head of the Department
PG & Research Department of Mathematics
Head of the department
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of Guide
ASSOCIATE PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

Signature of Examiner
(1) 
(N. Ganibela, Head & Associate Professor
of Mathematics, SRC, Trichy) 2/6/22
(2) 
R.R. Raziya Begam 2/6/22

Dr. P. THIRUNAVUKARASU, M.Sc., M. Phil., Ph.D., PGDCA., B.Ed.,
Assistant Professor,
PG & Research Department of Mathematics,
Thanthai Periyar Government Arts & Science College (A),
Tiruchirappalli - 620 023.

CERTIFICATE

This is to certify that the Project work entitled "INTRODUCTION TO Z TRANSFORM AND ITS PROPERTIES" done under my guidance and submitted to the **THANTHAI PERIYAR GOVERNMENT ARTS & SCIENCE COLLEGE(A), TRICHY-23** affiliated to the **BHARATHIDASAN UNIVERSITY, TRICHY**, in partial fulfillment of the requirements for the award of the degree of **MASTER OF SCIENCE IN MATHEMATICS** is a bonafide record of the work done by **DHINESHKUMAR S (Register No. : 20PMA03)** in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts & Science College (A), Tiruchirappalli – 23, during the period 2020-2022.

30/05/22
SIGNATURE OF THE HOD

Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College(Autonomous)
Tiruchirappalli - 620 023

P. Thirunavukarasu 28/5/22
SIGNATURE OF THE GUIDE

Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

EXAMINERS

1. *[Signature]*
04/06/22

2.

[Signature]
Dr. P. THIRUNAVUKARASU,
M.Sc., M.Phil., Ph.D., B.Ed., PGDCA.,
Assistant Professor
PG & Research Department of Mathematics
Thanthai Periyar Government
Arts & Science College (Autonomous)
Tiruchirappalli-620 023, Tamilnadu, India

Dr. C. AIYAVU
Assistant Professor
PG & Research Department of Biochemistry
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli-23.



CERTIFICATE

This is to certify that the dissertation entitled "Isolation, Biochemical characterization and screening of amylase production bacterial isolates from Rameswaram Marine Water" is a record of project work done by **SINDHUJA** (Reg. No: 20PBC19) under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous) Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

R. Sindhuja
Candidate Signature

CPoy
Guide Signature

CPoy
Signature of Head of the Department
Head Of the Department,
Department of Biochemistry,
Thanthai Periyar Government Arts and
Science College (Autonomous),
Tiruchirappalli - 620 023.

Examiner
1. *Pragunabai*
2. *CPoy*
2.6.22

Dr.R.MURUGANANDAM,M.Sc.,M.Phil.,Ph.D.,
Associate Professor
PG and Research Department of Mathematics
Thanthai Periyar Government Arts and Science College (A)
Tiruchirappalli-620 023


CERTIFICATE

This is to certify that the project work entitled "THE DOMINATOR VERTEX AND EDGE COLORING OF SOME GRAPHS" done under my guidance submitted to the THANTHAI PERIYAR GOVERMENT ARTS AND SCIENCE COLLEGE (Autonomous and Accredited), Trichy-23 affiliated to the BHARATHIDASAN UNIVERSITY in partial fulfilment of the requirements for the award of the Degree of MASTER OF SCIENCE IN MATHEMATICS is a bonafide record of the work done by



AJITH KUMAR. A (Reg.No:20PMA01)

in the PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous and Accredited), Tiruchirappalli -23 during the period 2020-2022.


Signature of the
Head of the department
Head of the Department
PG & Research Department of Mathematics
Thanthai Periyar Government Arts & Science College (Autonomous)
Tiruchirappalli - 620 023


Signature of the Guide
ASSISTANT PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
THANTHAI PERIYAR GOVERNMENT
ARTS & SCIENCE COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI - 620 023.

EXAMINERS:

- 
02/06/22
- 
2/06/22

ஆய்வாளர் உறுதிமொழி

த.சூரியா

முதுகலை வரலாறு

(பதிவு எண். 20PHI13)

வரலாற்றுத்துறை

தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சி)

திருச்சிராப்பள்ளி - 620 023

“நமசிவாயபுரம் கிராமம் -ஓர் ஆய்வு” என்னும் தலைப்பில் முதுகலை பட்டத்திற்கு என்னால் செய்யப்பட்ட இவ்வாய்வு என் சொந்த முயற்சியால் உருவானது என்றும், இதற்கு முன் வேறு எந்தப் பட்டத்திற்கும் அளிக்கப்படவில்லை என்றும் உறுதியளிக்கின்றேன்.

நெறியாளர் ஒப்பம்

Dr. R. RAJESHWARI,
M.A., M.A., B.Ed., M.Phil., Ph.D.,
Assistant Professor,
P.G. & Research Department of History
Periyar E. R. College (Autonomous)
TIRUCHIRAPPALLI - 620 023.

இடம்: திருச்சி-23

நாள்:

ஆய்வாளர் ஒப்பம்

நெறியாளர் சான்றிதழ்

திரு. து. இராமலிங்கம்., எம்.ஏ., எம்.ஃபில்.,பி.எட்.,
உதவிப் பேராசிரியர்,
முதுகலை மற்றும் வரலாற்று ஆய்வுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி),
திருச்சிராப்பள்ளி - 620 023.

“மகாத்மா ஜோதிராவ் பூலே கல்வி பாதையில் பாத்திமா ஷேக் -
ஷர் ஆய்வு” என்னும் தலைப்பில் மாணவி ரா. ரஞ்சிதா, (பதிவு எண் :
20PHI12) செய்துள்ள இவ்வாய்வேடு தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி முதுகலை மற்றும் வரலாற்று ஆய்வுத்துறையில் எம்.ஏ., பயின்ற
காலத்தில் அவர் தம் சொந்த முயற்சியால் எனது மேற்பார்வையின் கீழ்
மேற்கொள்ளப்பெற்றது என்றும், வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு
அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.

02/06/2022
வரலாற்று துறைத் தலைவர்
துறைத் தலைவர் அலுவலகம்
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023

நாள் : 02/06/2022

Verified
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02/06/2022
நெறியாளர் ஒப்பம்
D. RAMALINGAM, M.A., M.Phil., B.Ed., SET.,
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Tiruchirappalli - 620 023.

முனைவர் ஜெ.ஜாய்ஸ், எம்.ஏ.,எம்.பில்.,பிஎச்.டி.,
உதவிப்பேராசிரியர், வரலாற்றுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சியும் தரமறுமதிப்பீடும் பெற்றது),
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

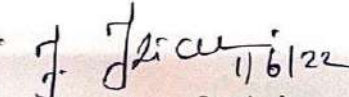
முவலூர் இராமாமிர்தம் அம்மையாரின் வாழ்க்கை வரலாறும் அவரின் சமூகத் தொண்டும் - ஓர் ஆய்வு என்னும் தலைப்பில் மாணவியர் பவித்ரா மேகம் (பதிவு எண் : 20PHI11) தந்துள்ள இந்த ஆய்வேடு தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி வரலாற்று ஆய்வுத்துறையில் முதுகலை வரலாறு (2020-2022) பயின்ற காலத்தில் அவர் தம் சொந்த முயற்சியில், என் மேற்பார்வையின் கீழ் மேற்கொள்ளப்பட்டது என்றும், வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.

இடம் : திருச்சி

நாள் : 01.06.2022


01/06/2022

துறைத்தலைவர்


1/6/22
நெறியாளர் கையொப்பம்

வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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Dr. J. JOICE
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முனைவர் செ. சேவியர், எம்.ஏ., எம்.பில்., பி.எச்.டி.,
உதவிப்பேராசிரியர்
முதுகலை மற்றும் வரலாற்று ஆய்வுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி,
(தன்னாட்சியும் தரமறுமதிப்பீடும் பெற்றது)
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

“புதுக்கோட்டை மாவட்ட நினைவுச் சின்னங்கள் குறித்த ஓர் ஆய்வு” என்னும் தலைப்பில் மாணவர் சு. சிவா (பதிவு எண். 20PHI09) செய்துள்ள இந்த ஆய்வேடு தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி வரலாற்றுத் துறையில் முதுகலை (2020 – 2022) பயின்ற காலத்தில் அவர்தம் சொந்த முயற்சியால் எனது மேற்பார்வையின் கீழ் மேற்கொள்ளப்பெற்றது என்றும், இந்த ஆய்வேடு வேறு எப்பட்டத்திற்கும் அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.

இடம் : திருச்சி

நாள் : 03/06/2022

துறைத்தலைவர் 04/06/2022
வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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நெறியாளர் கையொப்பம்

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முனைவர் தெ. செந்தில்குமார்,
உதவிப்பேராசிரியர், வரலாற்றுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சியும் தரமறுமதிப்பீடும் பெற்றது),
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்


“மக்கள் கவிஞர் பட்டுக்கோட்டை
கல்யாணசுந்தனார் - ஓர் ஆய்வு” என்னும் தலைப்பில் செல்வன்
சி. செல்வதுரை (பதிவு எண்: 20PHI08) செய்துள்ள இந்த ஆய்வேடு
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
வரலாற்றுத்துறையில் எம்.ஏ(2020-2022) பயின்ற காலத்தில் அவர் தம்
சொந்த முயற்சியால் எனது மேற்பார்வையின் கீழ் மேற்கொள்ளப்
பெற்றது என்றும் வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு
அளிக்கப்படவில்லை என சான்று அளிக்கிறேன்.

இடம் : திருச்சிராப்பள்ளி

நாள் : 02/06/2022

துறைத்தலைவர் 02/06/2022
வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.




நெறியாளர்

Dr D. SENTHIL KUMAR
Assistant Professor
PG & Research Department of History
Thanthu Periyar Government
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முனைவர் வீ.கல்பனாதேவி, எம்.ஏ.,எம்.பி.,எம்.டி.,எம்.டி.,பிஎச்.டி.,
உதவிப்பேராசிரியர், வரலாற்றுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சியும் தரமறுமதிப்பீடும் பெற்றது),
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

“இந்திய விடுதலை போராட்டத்தில் தமிழகத்தின் பங்கு” – ஓர் ஆய்வு” என்னும் தலைப்பில் மாணவர் மு. பொன்னுசாமி (பதிவு எண் : 20PHI06) தந்துள்ள இந்த ஆய்வேடு தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி வரலாற்று ஆய்வுத்துறையில் முதுகலை வரலாறு (2020-2022) பயின்ற காலத்தில் அவர் தம் சொந்த முயற்சியில், என் மேற்பார்வையின் கீழ் மேற்கொள்ளப்பட்டது என்றும், வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.

இடம் : திருச்சி

நாள் : 01-06-2022

உ. கல்பனாதேவி
நெறியாளர் கையொப்பம்

01/06/2022

துறைத்தலைவர்

வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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Dr. V. KALPANA DEVI, M.A., M.Phil., Ph.D.,
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Department of History,
Periyar E.V.R. College (Autonomous)
TIRUCHIRAPPALLI-23.

பேராசிரியர் A.M.J. மோகனகுமாரி, எம்.ஏ.எம்.பி.எட்.பி.எட்.பி.எச்.டி.
உதவிப்பேராசிரியர்
முதுகலை மற்றும் வரலாற்று ஆய்வுத்துறை
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.



ஆய்வு நெறியாளர் சான்றிதழ்

“இயற்கை வேளாண் விஞ்ஞானி நம்மாழ்வார்” என்னும் தலைப்பில் மாணவன். இரா. மோகன் (பதிவு எண்: 20PH105) சமர்ப்பித்துள்ள இந்த ஆய்வேடு தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி, வரலாற்று ஆய்வுத்துறையில் முதுகலை வரலாறு (2020-2022) பயின்ற காலத்தில் அவர் தம் சொந்த முயற்சியில், என் மேற்பார்வையின் கீழ் மேற்கொள்ளப்பட்டது என்றும், வேறு எந்தப் பட்டத்திற்கும் இந்த ஆய்வேடு அளிக்கப்படவில்லை என்றும் சான்றளிக்கின்றேன்.

துறைத்தலைவர் 02/06/2022
வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.

A.M.J. Mohanakumari
ஆய்வு நெறியாளர் 2/6/22

A.M.J. MOHANAKUMARI, M.A., M.Phil., B.Ed.,
Assistant Professor
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Tiruchirappalli - 620 023.

இடம் : திருச்சிராப்பள்ளி
நாள் : 02-06-2022



முனைவர் நா.சீதநாலட்சுமி,எம்.ஏ.பிஎச்.டி.,டி.இ.
இணைப்பேராசிரியர் தந்தை பெரியார் அரசு கலை மற்றும்
அறிவியல் கல்லூரி (தன்னாட்சியும் தரமறுமதிப்பீடும்
பெற்றது),
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

“வை.மு.கோதைநாயகி அம்மாளின் வாழ்க்கை
வரலாறும் சாதனையும் - ஓர் ஆய்வு” என்னும் தலைப்பில் செல்வன்
லெ.கார்த்திக் (பதிவு எண்: 20PHI04) செய்துள்ள இந்த ஆய்வேடு
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
வரலாற்றுத்துறையில் எம்.ஏ(2020-2022) பயின்ற காலத்தில் அவர் தம்
சொந்த முயற்சியால் எனது மேற்பார்வையின் கீழ் மேற்கொள்ளப்
பெற்றது என்றும் வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு
அளிக்கப்படவில்லை என சான்று அளிக்கிறேன்.

இடம் : திருச்சிராப்பள்ளி

நாள் : 04.06.2022

04/06/2022
துறைத்தலைவர்

வரலாற்றுத் துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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N. Seethalakshmi
நெறியாளர்

Dr. Mrs. N. SEETHALAKSHMI, M.A.Ph.D., Dip. in Epig.
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நெறியாளர் சான்றிதழ்

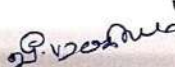
முனைவர் வீ.பரமசிவம்.,எம்.ஏ., எம்..பில்., பி.எட்.,பி.எச்.டி.,
இணைப்பேராசிரியர், வரலாற்றுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சி) திருச்சிராப்பள்ளி- 620 023.

“ஆறகமூர் ஸ்ரீ காமநாதீஸ்வரர் கோவில” - ஓர் ஆய்வு என்னும்
தலைப்பில் மாணவர் (ச.தினேஷ் பதிவு எண்: 20PH103) செய்துள்ள
இந்த ஆய்வேடு தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல்
கல்லூரி வரலாற்றுத் துறையில் எம்.ஏ பயின்ற காலத்தில் (2020-2022)
அவர் தம் சொந்த முயற்சியில் எனது மேற்பார்வையின் கீழ்
மேற்கொள்ளப்பட்டது என்றும், மேலும் இந்த ஆய்வு வேறு
எப்பட்டத்திற்கும் அளிக்கப்படவில்லை என்றும் சான்றளிக்கிறேன்.

இடம் : திருச்சிராப்பள்ளி

நாள் : 30.05.2022,

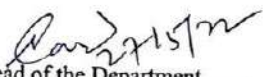

30.5.22
துறைத்தலைவர்
வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.


நெறியாளர்

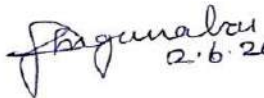
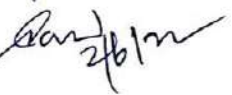
Research supervisor
Dr. R. SENTHILKUMAR, M.Sc., M.Phil., Ph.D., PGDCA,
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CERTIFICATE

This is to certify that the dissertation entitled "IN VITRO STUDY OF ANTI DIABETIC ACTIVITY OF ETHANOL EXTRACT OF SPILANTHES ACMELLA STEM" is a bonafide record of work done by A.SELCIYA (Reg.No:18PBC18) in the PG AND RESEARCH DEPARTMENT OF BIOCHEMISTRY Thanthai Periyar Government Arts And Science College.(Autonomous), Tiruchi-6200023. In partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE BIO-CHEMISTRY during the academic period 2020-2022 in the Department of Bio-Chemistry under my guidance and supervision and the project work has not previously formed the basis for the award of any degree, diploma, associateship, of any other similar title..


Head of the Department
Head Of the Department,
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EXAMINERS


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1.  2.6.2022
2. 

முனைவர் கோ.ஜெயகுமார், எம்.ஏ.,எம்.பில்.,டி.டி.எட்.பிஎச்.டி.
இணைப்பேராசிரியர், வரலாற்றுத்துறை,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சியும் தரமறுமதிப்பீடும் பெற்றது).
திருச்சிராப்பள்ளி - 620 023.



நெறியாளர் சான்றிதழ்

மேலத்தானியம் ஊராட்சி - ஓர் ஆய்வு எண்ணும்
தலைப்பில் செல்வன் ச.தினகரன் (பதிவு எண்: 20PH102) செய்துள்ள
இந்த ஆய்வேடு தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல்
கல்லூரி வரலாற்றுத்துறையில் எம்.ஏ(2020-2022) பயின்ற காலத்தில் அவர்
தம் சொந்த முயற்சியால் எனது மேற்பார்வையின் கீழ் மேற்கொள்ளப்
பெற்றது என்றும் வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு
அளிக்கப்படவில்லை என சான்று அளிக்கிறேன்.

இடம் : திருச்சி

நாள் : 31/06/22



01.06.2022
துறைத்தலைவர்

Ganesh 31/6/22
நெறியாளர் கையொப்பம்
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தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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முனைவர் ஜோ.ஜெரோம் பெர்னாண்டோ,எம்.ஏ.,எம்.பில்.,பிஎச்.டி.,
இணைப்பேராசிரியர் மற்றும் வரலாற்றுத்துறை தலைவர்,
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
(தன்னாட்சியும் தரமறுமதிப்பீடும் பெற்றது),
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நெறியாளர் சான்றிதழ்

“புதுக்கோட்டை மாவட்டத்தின் சில முக்கிய
இந்து ஆலயங்கள் - ஓர் ஆய்வு” என்னும் தலைப்பில் செல்வன்
ப. அழகுபாண்டி (பதிவு எண்: 20PHI01) செய்துள்ள இந்த ஆய்வேடு
தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி
வரலாற்றுத்துறையில் எம்.ஏ.(2020-2022) பயின்ற காலத்தில் அவர் தம்
சொந்த முயற்சியால் எனது மேற்பார்வையின் கீழ் மேற்கொள்ளப்
பெற்றது என்றும் வேறு எப்பட்டத்திற்கும் இவ்வாய்வேடு
அளிக்கப்படவில்லை என சான்று அளிக்கிறேன்.

இடம் : திருச்சிராப்பள்ளி

நாள் : 04-06-2022

04/06/2022

நெறியாளர்

04/06/2022

துறைத்தலைவர்,
வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
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Verified
04/06/2022
P. RAVICHANDRAN, M.A., M.Phil., B.Ed.
Head of the Department
P.G., History & Ph.d., Full Time Research Centre
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வரலாற்று துறைத் தலைவர்
தந்தை பெரியார் அரசு கலை
மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 023.

THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE, TRICHY

PG Project Details of Geography Department 2021-2022

| S. No | Roll No | Name | Project Title | Date of viva voce examination |
|--------------|----------------|-----------------|--|--------------------------------------|
| 1 | 20PGE01 | X A GLARY GEO | Spatial Analysis of General Libraries and Literacy Level in Coimbatore District 2020 - 2021 | 03.06.2022 |
| 2 | 20PGE02 | A. GUNASEKAR | Spatial Analysis of Literacy Rate and General Libraries in Pudukottai District – 2020 - 2021 | 03.06.2022 |
| 3 | 20PGE03 | S. JEYACHANDRAN | A Study on Distribution of Selected Crops in Tamilnadu | 03.06.2022 |
| 4 | 20PGE04 | K. MOHANRAJ | Identifications of Educational Institution in Tiruchirappalli District | 03.06.2022 |
| 5 | 20PGE05 | T. PERIYASAMY | A Study of Land Use Changes in Maharajasamudram Watershed Tamilnadu | 03.06.2022 |
| 6 | 20PGE06 | A. RANJITH | Assessment of Literacy Rate and Public Libraries in Dindigul District – 2020 - 2021 | 03.06.2022 |
| 7 | 20PGE07 | S. SILAMBARASAN | An Assessment of Agricultural in Coimbatore District | 03.06.2022 |
| 8 | 20PGE08 | M. VETRIVEL | An Assessment of Land Use and Land Cover Pattern of Erode District | 03.06.2022 |
| 9 | 20PGE09 | R. MEENA | A Study of Changes in Cropping Pattern in Nagapattinam District | 03.06.2022 |
| 10 | 20PGE11 | V. PRIYA | An Analysis of Literacy and Public Libraries in Salem District – 2020 – 2021 | 03.06.2022 |
| 11 | 20PGE12 | R. RENUGA DEVI | An Analysis of Cyber Crime Against Womens in India | 03.06.2022 |
| 12 | 20PGE13 | D. SASIKALA | An Analysis of Red dhall Characteristics for Cropping in Tiruchirappalli District | 03.06.2022 |
| 13 | 20PGE14 | M. SUVALAKSHMI | An Analysis of Cyber Crimes in India | 03.06.2022 |

Dr. ANUSMITHA SEBASTIAN MA., Ph.D.,

Associate Professor of English

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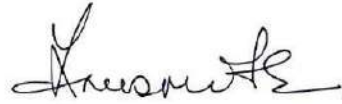
Tiruchirappalli-620023

Certificate


This is to certify that the Project entitled **Dignity in Distress: A Study of Gabriel Garcia Marquez's *No One Writes to the Colonel*** submitted by **S.Veeralakshmi** (Reg.No.20PEL36) to **Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.



Signature of the candidate



Signature of the Guide



Signature of the ~~Head~~ **Head** Department
PG & Research Department of English
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Signature of the External Examiner:
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Associate Professor
PG & Research Department of English
Jamal Mohamed College (Autonomous)
Tiruchirappalli - 620 020.

Signature of the Internal Examiner:



02.01.22

Dr. N. PARVATHY, M.A., B.Ed., M.Phil., Ph.D.,

Associate Professor of English

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Tiruchirappalli-620023

Certificate

This is to certify that the dissertation entitled *Critical Study of Anita Desai's Fire on the Mountain* submitted by T.Usha Mary (Reg.No.20PEL35) to Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

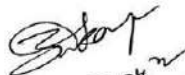
T. Usha Mary,
Signature of the candidate

P. N. Parvathy
31.5.22
Signature of the Guide


HEAD
PG & Research Department of English
Signature of the Head of the Department
Thanthai Periyar Government Arts & Science College (Autonomous)
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Dr. H. AJMAL KHAAN
Signature of the External Examiner, Ph.D.,
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Mrs. R. PREMA, M.A., M.Phil.,


Assistant Professor of English

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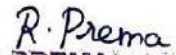
Tiruchirappalli-620023


Certificate

This is to certify that the Project entitled **Realism and Fantasy** in R.K. Narayan's **The Vendor of Sweets** submitted by **A.THILAGAVATHI (Reg.No.20PEL34)** to **Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

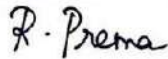

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Associate Professor & Head

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CERTIFICATE

This is to Certify that the dissertation entitled **The Empowerment of Indians on a globalized World in Chetan Bhagats One Nights @ the Call Center** done under my guidance submitted to **Thanthai Periyar Government Arts & Science College, Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of the Master of Arts in English. During the 2020-2022 in the subject English is the Original work of the candidate.

V. Sundharaj
Signature of the Candidate

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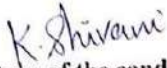
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Tiruchirappalli- 23

CERTIFICATE


This is to certify that the dissertation entitled "GREEDINESS" IN R.K. NARAYAN'S *THE FINANCIAL EXPERT* submitted by K. SHIVANI (Reg. No. 20PEL32) to Thanthai Periyar Government Arts & Science College (Autonomous) Tiruchirappalli- 23 in partial fulfillment of the requirements for the award of the Degree of Master Of Arts in English, during the year 2021-2022, is the original work of the candidate.


Signature of the candidate


Signature of the guide


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Tiruchirappalli - 620 020.

2. Signature of the Internal Examiner:



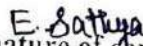
Dr. D .DHANALAKSHMI, M.A., M.Phil., Ph.D.

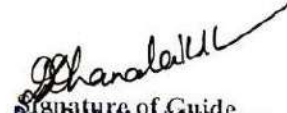
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Certificate

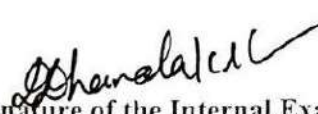
This is to certify that the dissertation entitled *Conflict between old and Emerging Ideas in Anita Desai's Voices in the City* submitted by E. SATHYA (Reg.No.20PEL31) to Thanthai Periyar Arts & Science College,(Autonomous),Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.


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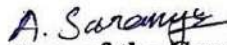
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CERTIFICATE

This is to certify that the project work entitled "Psychological Trauma in Toni Morrison's *Beloved*" submitted by A. SARANYA, Reg. No. 20PEL30, in partial fulfilment of the requirement of the P.G. Degree Course in M.A. English for the academic year 2021 - 2022, is a bonafide record of the project work undertaken by the candidate independently.



Signature of the Candidate



Signature of the Project Guide

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CERTIFICATE

This is to certify that the dissertation entitled "**PHYTOCHEMICAL ANALYSIS, ANTI-MICROBIAL AND ANTI-OXIDANT ACTIVITY OF *Metha X Piperita (pudina) polar extracts***" is a record of project work done by **RANJANI. R** (Reg. No. 20PBC17) under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

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2. *CPJ* 2.6.22

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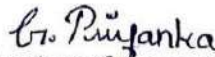
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Certificate

This is to certify that the dissertation entitled **Realism in Select Short Stories of Mulk Raj Anand** submitted by **G.PRIYANKA** (Reg.No.20PEL29) to **Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022 is the original work of the candidate.


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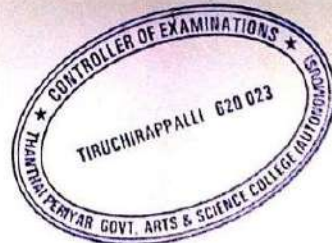
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This is to certify that the Project entitled **Thematic Analysis in Margaret Atwood's The Blind Assassin** submitted by **S.Pavithra Lakshmi (Reg.No.20PEL28)** to **Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2021-2022, is the original work of the candidate.

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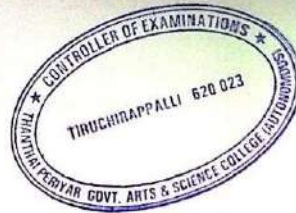
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This is to certify that the dissertation entitled "Small Things" in Arundhati Roy's "The God of Small Things":A Thematic Study submitted by R.Kokila (Reg.No.20PEL27) to Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

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CERTIFICATE

This is to certify that the Project Work entitled **Feminist Ideology** in **Robertson Davies's *At my Heart's Core*** done under my guidance submitted to **Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli - 23**, in partial fulfillment of the requirements for the award of the Degree of the Master of Arts in English, during the year 2020-2022 in the subject English; is the original work of the candidate.

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Signature of the Candidate

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This is to certify that the dissertation entitled **Casteism and Dalitism In Arundhtai Roy's THE GOD OF SMALL THING'S** submitted by **M.DEVIKA (Reg.No.20PEL25)** to **Thanthai Periyar Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

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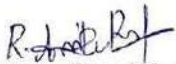
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This is to certify that the dissertation entitled **Domestic Violence In The Thousand Splendid Suns** submitted by R.Aswitha (Reg.No.20PEL23) to Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.


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This is to certify that the dissertation entitled **The Optimism in Penury in Anitha Desai's *The Villages by The Sea*** submitted by **S.Vishnu (Reg.No.20PEL22)** to **Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

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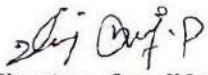
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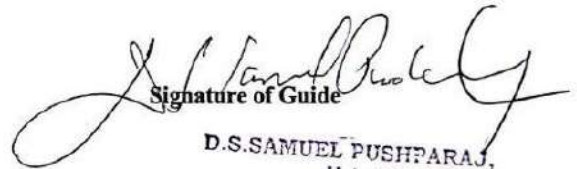
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This is to certify that the dissertation entitled "**Representation of ClassStruggle in Aravind Adiga's *The WhiteTiger***" submitted by **P.VINOTHKUMAR (Reg.No.20PEL21)** to **Thanthai Periyar Government Arts and Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.


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This is to certify that the dissertation entitled *Sense of Belonging in Jhumpa Lahiri's The Namesake* submitted by P. Vignesh (Reg.No.20PEL20) to Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.


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CERTIFICATE

This is to certify that the dissertation entitled "Biosynthesis of Silver Nanoparticles from *Origanum majorana* (Marikozhundhu) and its Anti-Microbial and Anti-oxidant activity" 'is a record of project work done by **RAJALAKSHMI. G** (Reg. No. 20PBC16) under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other university or institution for the award of any degree or diploma.

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C. Aiyavu
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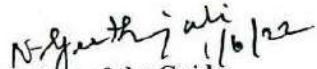
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This is to certify that the declaration entitled "THEMES IN SWAMI AND FRIENDS BY R.K.NARAYAN" submitted by B. SUBASHCHANDRABOSE (Reg. No. 20PEL19) to Thanthai Periyar Government Arts And Science College (Autonomous), Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2021-2022, is the original work of the candidate.

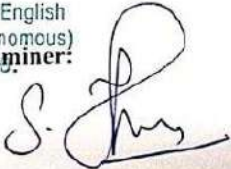

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This is to certify that the dissertation entitled **Major Themes in Daniel Defoe's *Moll Flanders*** submitted by **S.Praveenkumar (Reg.No.20PEL14)** to **Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli - 23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

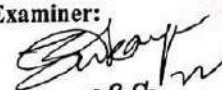

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This is to certify that the dissertation entitled **THE TREATMENT OF MARITAL LOVE** IN R.K.NARAYAN'S *THE ENGLISH TEACHER* submitted by **B.PARTHASARATHI** (Reg.No.20PEL13) to Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2021-2022, is the original work of the candidate.

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D. Villavan

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This is to certify that the dissertation entitled **Theme of Self-Respect in Rabindranath Tagore's *Chitra*** submitted by **K.Mathiyalagan (Reg.No.20PEL12)** to **Thanthai Periyar Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

K. Mathiyalagan

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R. Prerna

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Certificate

This is to certify that the Project entitled **Pluralism in Mahesh Dattani's Final Solutions** submitted by **C.Manivel (Reg.No.20PEL11)** to **Thanthai Periyar Government Arts & Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2021-2022, is the original work of the candidate.

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Signature of the Guide

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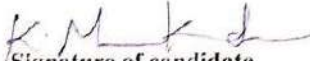
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This is to certify that the dissertation entitled *A Study of An Individual & Cultural Society In The Age of Innocence* submitted by K.Manikandan (Reg.No.20PEL10) to **Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.


Signature of candidate

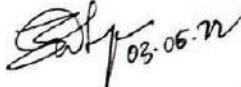

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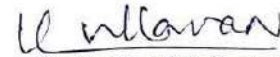
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CERTIFICATE

This is to certify that the dissertation entitled **Feminine Identity In Manju Kapur's Home** submitted by **K.Manikandan (Reg.No.20PEL09)** to **Thanthai Periyar Government Arts and Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of **Master of Arts in English**, during the year 2021-2022, is the original work of the candidate.



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CERTIFICATE

This is to certify that the dissertation entitled "Isolation, Biochemical characterization and antibiotic resistance of selected bacterial isolates from Rameswaram marine water" is a record of project work done by PRIYANKA . E (Reg. No: 20PBC15) under my supervision for the award of the Degree of MASTER OF SCIENCE in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other university or institution for the award of any degree or diploma.

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2.6.2022

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CERTIFICATE

This is to certify that the dissertation entitled **An Ecocritical Appreciation in Daniel Defoe's Robinson Crusoe** is the bonafide record of the original work carried out by **KUMARAN ARUL DEVARAM S (Reg.No. 20PEL08)** to **Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23** during the academic year 2020-2022 under my supervision and that this work is genuine.



Signature of candidate



Signature of Guide



Signature of the ~~Head~~ of the Department

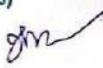
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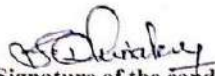
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This is to certify that dissertation entitled The Idea of Religion in Charlotte Bronte's *Jane Eyre* submitted by **S. Dhinakar (Reg.No.20PEL07)** to **Thanthai periyar Government Arts and Science college, (Autonomous), Tiruchirappalli-23** in partial fulfilment of the requirements for the award of the Degree of master of Arts in English, during the year 2021-2022, is the original work of the candidate.



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This is to certify that the dissertation entitled **Realism and Socio Culture Struggle in Coolie** by **Mulkraj Anand** submitted by (Reg.No.20PEL06) to **Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.

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This is to certify that the dissertation entitled **EXISTENTIAL ANXIETY IN R.K.NARAYANAN'S "THE ENGLISH TEACHER"** submitted by (Reg.No.20PEL05) to **Thanthai Periyar Government Arts & Science College, (Autonomous), Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.



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This is to certify that the dissertation entitled **Communal Violence in Geetha Hariharan's Fugitive Histories** submitted by **M.Chinnathambi (Reg.No.20PEL04)** to **Thanthai Periyar Government Arts and Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of **Master of Arts in English**, during the year 2021-2022, is the original work of the candidate.

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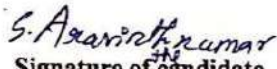
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This is to certify that dissertation entitled **Conflicts Between Tradition and Modernity in R.K. Narayan 'The Guide'** submitted by **S. Aravinthkumar** (Reg.No.20PEL03) to Thanthai periyar Government Arts and Science college, (Autonomous), Tiruchirappalli-23 in partial fulfilment of the requirements for the award of the Degree of master of Arts in English, during the year 2021-2022, is the original work of the candidate.


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This is to certify that the dissertation entitled **Gender Discrimination In Arundhtai Roy's The God of Small Things** submitted by M.Anbukkarasu (Reg.No.20PEL02) to Thanthai Periyar Arts & Science College,(Autonomous),Tiruchirappalli-23 in partial fulfillment of the requirements for the award of the Degree of Master of Arts in English, during the year 2020-2022, is the original work of the candidate.



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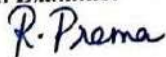
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This is to certify that the dissertation entitled **TRANSLATING ERNEST HEMINGWAY'S "THE OLD MAN AND THE SEA" INTO TAMIL.** Submitted by **B.ADLIN BEJO (Reg.No.20PEL01)** to **Thanthai Periyar Government Arts and Science College,(Autonomous),Tiruchirappalli-23** in partial fulfillment of the requirements for the award of the Degree of **Master of Arts in English**, during the year 2020-2022, is the original work of the candidate.


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This is to certify that the project work entitled **IMPACT OF COVID-19 ON INDIA'S ECONOMIC GROWTH** submitted by **SELVI K.THANGAMANI(Reg.No.20PEC14)**, in partial fulfilment of the requirement of the P.G. Degree course **M.A. Economics** for the academic period **2021-2022** is a bonafied record of the project work undertaken by the candidate independently.

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Date: 30.05.2022

This is to certify that the project work entitled "**ECONOMIC ANALYSIS OF CROP DIVERSIFICATION: A STUDY IN VIRUTHAPPATTY VILLAGE OF PUDUKKOTTAI DISTRICT**" is submitted by **MS. G. THAMARAI SELVI, REG NO: ZOPEC13** in partial fulfilment of the requirements of the P.G Degree course in M.A Economics for the academic period **2020-2022** is a bonafide record of the project work undertaken by the candidate in the department.



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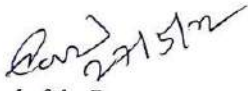
A. Gopalakrishnan
Head of the Department

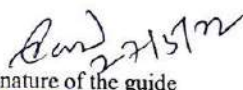
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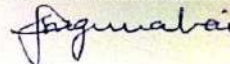
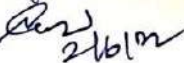
CERTIFICATE

This is to certify that the dissertation entitled "ANTI-AGEING ACTIVITY OF ETHANOL EXTRACT OF *COSTUS IGNEUS* STEM" is a bonafide record of work done by P.PRASANA SRI (20PBC14) in the PG Department of Biochemistry Thanthai Periyar Government Arts and Science College (Autonomous), Trichy-620023. In partial fulfilment of the requirements for the award of the degree of MASTER OF SCIENCE IN BIOCHEMISTRY during the academic period 2020-2022 in the department of biochemistry under my guidance and supervision and the project work has not previously formed the basis for the award of any degree, diploma, associateship, fellowship of any other similar title..


Head of the Department
Head Of the Department,
Department of Biochemistry,
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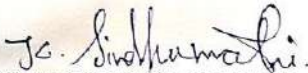
The viva voce examination held on 22/06/2022 Signature of the external examiner


1. 
2. 

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This is to certify that the project work entitled THE IMPACT OF MAHATMA GANDHI NATIONAL RURAL EMPLOYMENT GUARANTEE ACT AMONG RURAL WOMEN WITH SPECIAL REFERENCE TO OLAYUR VILLAGE, SRIRANGAM TALUK THIRUCHIRAPPALLI DISTRICT submitted by K. SINDHMATHI (Reg. No.20PEC12), in partial fulfilment of the requirement of the P.G. Degree course in M.A. Economics for the academic period 2021-2022 is a bonafide record of the project work undertaken by the candidate independently.


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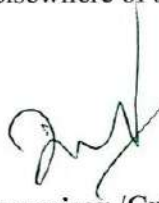
Dr. A. MOHAMED ABDULLAH. M.A., M.Phil., M.B.A., Ph.D.
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TIRUCHIRAPPALLI – 620 023.

CERTIFICATE

This is to certify that this dissertation entitle, "A STUDY ON SOCIO ECONOMIC CONDITIONS OF FISHERMEN IN MANAMELKUDI TALUK, PUDUKKOTTAI DISTRICT OF TAMIL NADU", is being submitted by miss. L. SALINI in partial fulfilment of the degree of Master of Arts in Economics in Thanthai Periyar Government Arts and Science College (Autonomous) (Affiliated to the Bharathidhasan University), Trichirappalli, is a bonafide record of work carried out by her under my guidance and supervision.

It is further certified that to the best of my knowledge this dissertation or any part thereof has not been submitted in this university or elsewhere of any other Degree or Diploma.


Head of the department


Supervisor /Guide
Dr. A.MOHAMED ABDULLAH
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Assistant Professor
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Place: Tiruchirappalli

Date: 6/6/22


External Examiner
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Dr. R. RAJENDRAN
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CERTIFICATE

Date:

This is to certify that the project work entitled "**A STUDY ON CULTIVATION OF VEGETABLES IN HILL AREAS: A Study in Ithalar Village of Nilgiris District**" is submitted by **MS. R. PRAVEENA**, REG NO: 20PEC10 in partial fulfilment of the requirements of the P.G Degree course in M.A Economics for the academic period 2020-2022 is a bonafide record of the project work undertaken by the candidate in the department.



R. Rajendran
Project Guide

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Date: 30.05.2022

This is to certify that the project work entitled "**A STUDY ON PADDY CULTIVATION IN WELL IRRIGATED AREAS OF PUDUKOTTAI DISTRICT**" is submitted by **MS. K. KEERTHANA, REG NO: 20PEC08** in partial fulfilment of the requirements of the P.G Degree course in M.A Economics for the academic period **2020-2022** is a bonafide record of the project work undertaken by the candidate in the department.

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This is to certify that the project work entitled "A STUDY ON THE SOCIO ECONOMIC CONDITIONS OF LANDLESS AGRICULTURAL LOBOUR IN KARAIPATTY VILLAGE, TIRUCHIRAPPALLI DISTRICT" submitted By M. C. KAMALA (REG NO: 20PEC07) in partial fulfillment of the requirements of the P.G Degree course in M.A Economics for the academic period 2020-2022 is a bonafide record of the project work undertaken by the candidate in the department.

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This is to certify that the project work entitled "**OCCUPATIONAL SHIFT IN RURAL AREA: A study in Vadasert Village of Karur District**" is submitted by **MS. M. INDHUMATHI, REG NO: 20PEC06** in partial fulfilment of the requirements of the P.G Degree course in M.A Economics for the academic period **2020-2022** is a bonafide record of the project work undertaken by the candidate in the department.

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This is to certify that the project work entitled "A STUDY ON CROPPING PATTERN IN PORPADAKURICHI VILLAGE AT KALLAKURICHI DISTRICT" submitted By KAMMU (REG NO: 20PEC05) in partial fulfillment of the requirements of the P.G Degree course in M.A Economics for the academic period 2020-2022 is a bonafide record of the project work undertaken by the candidate in the department.



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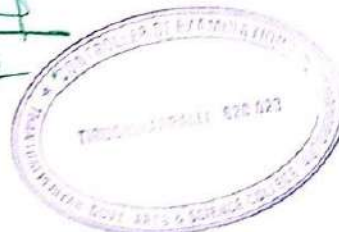

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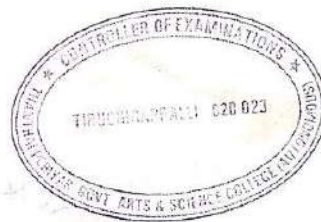



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This is to certify that the project work entitled "IMPACT OF MGNREGA IN AN INTENSIVE AGRICULTURE AREA A STUDY IN SENTHARAPATTI VILLAGE OF SALEM DISTRICT" submitted By P.SANMUGAPANDIYAN (REG NO: 20PEC04) in partial fulfillment of the requirements of the P.G Degree course in M.A Economics for the academic period ~~2020-2022~~ is a bonafide record of the project work undertaken by the candidate in the department.





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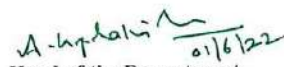


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SCENARIO OF INDIA'S FOREIGN DIRECT INVESTMENT INFLOW AND THE
IMPACT OF COVID -19 submitted by T. AJITHKUMAR Reg.No. 20PEC01
in partial fulfilment of the requirement of the P.G. Degree course in M.A.
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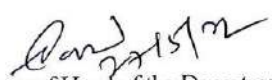


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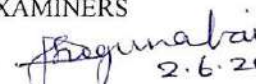
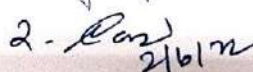
This is to certify that the dissertation entitled "ANTIFOULING EFFECT OF POLYHERBAL FORMULATION AGAINST ULVA LACTUCA" is a record of project work done by KRISHNAVENI. V (Reg. No: 20PBC12) under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at **THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous)**, Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.


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2.  2/6/22

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This is to certify that the dissertation entitled "MOLECULAR DOCKING STUDY OF GALLIC ACID AGAINST GLUCAGON LIKE PEPTIDE-1" is a record of project work done by POOMADAN.M (Reg. No: 20PBC02) under my supervision for the award of the Degree of **MASTER OF SCIENCE** in PG & Research Department of Biochemistry at **THANTHAI PERIYAR GOVT. ARTS AND SCIENCE COLLEGE (Autonomous), Tiruchirappalli-23**, the results embodied in this thesis are new and have not been submitted to any other University or Institution for the award of any degree or diploma.

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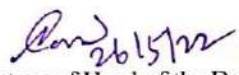


CERTIFICATE

This is to certify that the dissertation entitled "MORPHOLOGICAL IDENTIFICATION, GROWTH PROFILE ANALYSIS AND BIOCHEMICAL PARAMETER ESTIMATION ON BLUE GREEN ALGAE" is a record of project work done by M. EBENEZER (Reg. No: 20PBC01) under my supervision for the award of the Degree of MASTER OF SCIENCE in PG & Research Department of Biochemistry at Thanthai Periyar Government Arts & Science College (Autonomous), Tiruchirappalli-23, the results embodied in this thesis are new and have not been submitted to any other university or institution for the award of any degree or diploma.

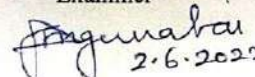
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Examiner

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