






Newman College Thodupuzha

Affiliated to Mahatma Gandhi University
Reaccredited by NAAC with A grade (Cycle 3, CGPA 3.32)

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Criterion I

Curricular

Aspects

1.3

Curriculum Enrichment

1.3.2

Evidences- Project work

Submitted to



National Assessment and Accreditation Council



NEWMAN COLLEGE
THODUPUZHA, KERALA - 685585

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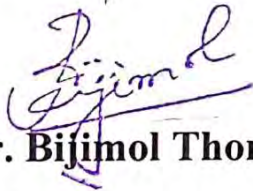
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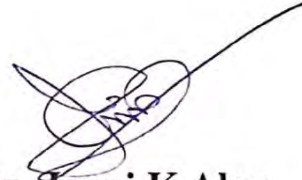


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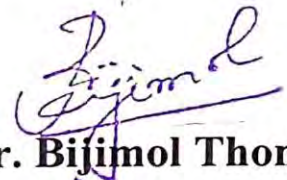
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Place: Thodupuzha

Date: 23.03.2023


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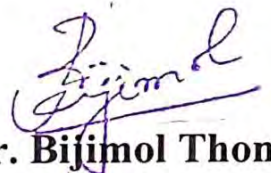
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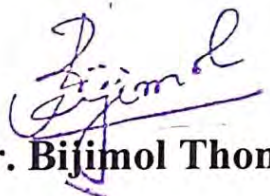
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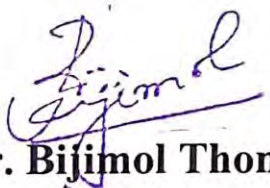
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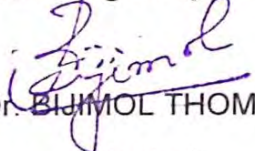
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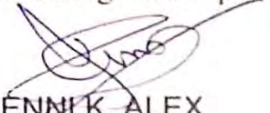
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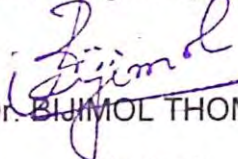
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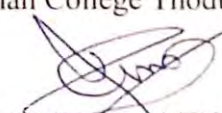
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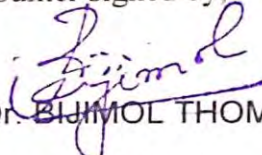
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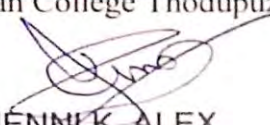

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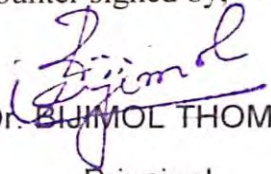
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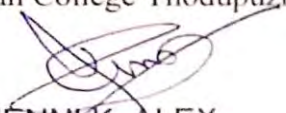
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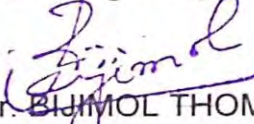
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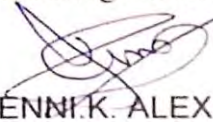
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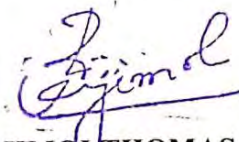
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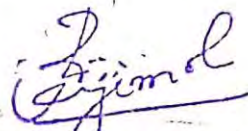
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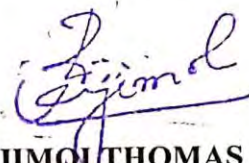
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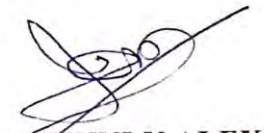

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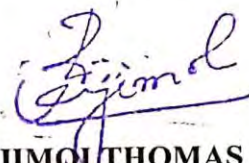
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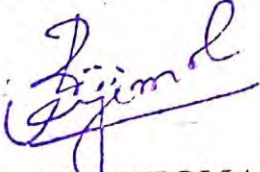

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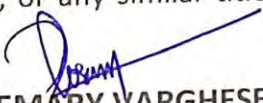


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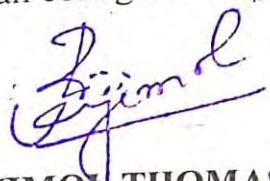

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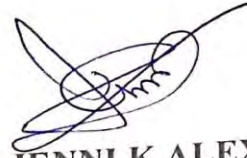
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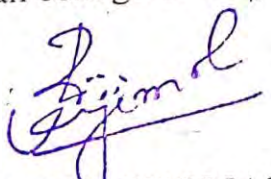

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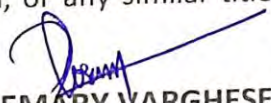


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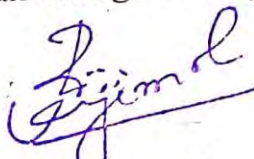

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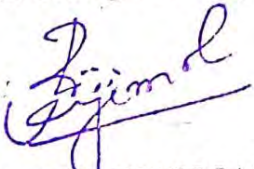

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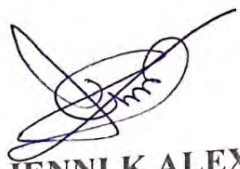
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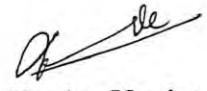
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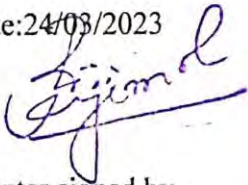


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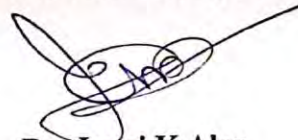
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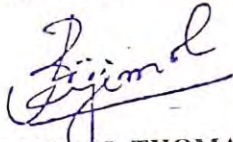
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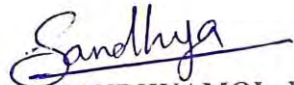
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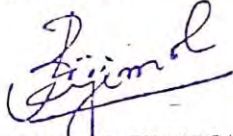
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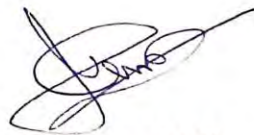
Date: 24-~~04~~⁰³-2023

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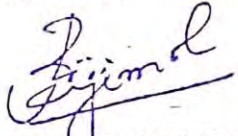
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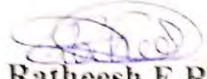




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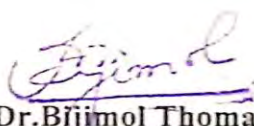

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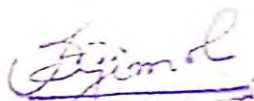

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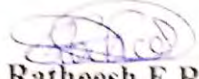




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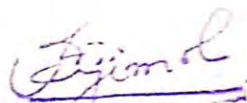
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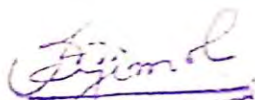

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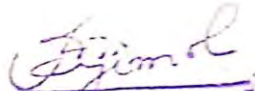

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Place: Thodupuzha

Date: 31/03/2022

Xavier Kurian P.

Assistant Professor

Newman College Thodupuzha

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Dr. Jenni K Alex

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He is permitted to submit the dissertation to

Thodupuzha

26.03.2021

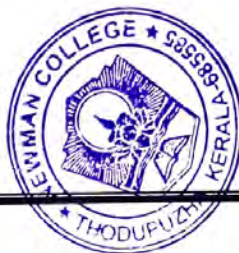


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Date: March 2022


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This is to certify that the dissertation entitled "**ORGANIC FARMING AND AGRICULTURAL MARKETTING WITH SPECIAL REFERENCE TO KERALA AGRICULTURAL DEVELOPMENT SOCIETY (KADS) AT THODUPUZHA**" is the bonafide research done by **ALBIN JOSHY** Post Graduate student of the post Graduate Department Of Economics, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

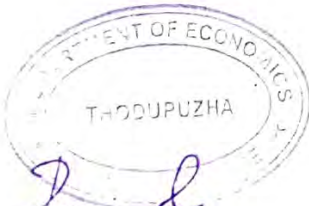
Place: Thodupuzha

Mrs. SANDHYAMOL VS

Date: March 2022

Department of Economics

Newman College Thodupuzha



Counter Signed by:

Dr. BIJIMOL THOMAS

Principal,

Newman College, Thodupuzha

Dr. JENNI K ALEX

HOD, Department of Economics

Newman College, Thodupuzha



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This is to certify that the dissertation entitled “A CASE STUDY ON SOCIO ECONOMIC CONDITIONS OF TEA PLANTATION WORKERS:A SPECIAL REFERENCE TO VATHIKKUDY PANCHAYATH” is a bonafide record of original work done by **ALPHONS MARIYA THOMAS** M.A Final Year Student, Postgraduate Department of Economics, Newman College, Thodupuzha, during the academic year 2020-2022, under my guidance and supervision, in partial fulfilment of the requirement for the award of the Degree of Master of Economics of Mahatma Gandhi University, Kottayam.

Ms. Sandhyamol V.S

(Guide and Supervisor)

Counter Signed by:

Dr Bijimol Thomas,
the principal,

Newman college, Thodupuzha

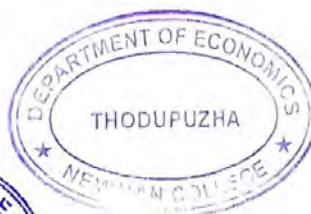
Dr. Jenny K Alex

Head of the department of economics

Newman college , Thodupuzha

Place: Thodupuzha

Date : March 2022





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This is to certify that the dissertation entitled "**CONSUMER BEHAVIUR TOWARDS GREEN PRODUCTS: A STUDY WITH SPECIAL REFERENCE TO THODUPUZHA MUNICIPALITY**" is the bonafide research done by **AMMU V SHAJI** Post Graduate student of the post Graduate Department Of Economics, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

Place: Thodupuzha

Date: March 2022

Mrs. SANDHYAMOL VS

Department of Economics

Newman College Thodupuzha

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Dr. BIJMOL THOMS

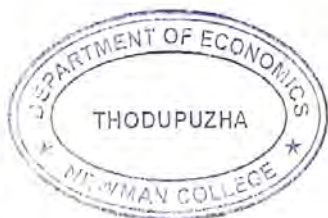
Principal,

Newman College, Thodupuzha

Dr. JENNI K ALEX

HOD, Department Of Economics

Newman College, Thodupuzha



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CERTIFICATE

This is to certify that the dissertation entitled "EFFECTIVENESS OF INTERNATIONAL MOBILITY FOR HIGHER EDUCATION: WITH SPECIAL REFERANCE TO THODUPUZHA" is a bonafide research done by **ANEENA IYPPACHAN**, Postgraduate student of Department of Economics, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

Miss. SANDYAMOL V.S
Newman college Thodupuzha

Place : Thodupuzha
Date: March 2022

Counter Signed by:

Dr. BIJIMOL THOMAS
Principal,

Newman College, Thodupuzha

Dr. JENNI K. ALEX
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Department Economics
Newman College, Thodupuzha





CERTIFICATE

This is to certify that the dissertation entitled “EVALUATION STUDY ON KHADI, HANDLOOM AND VILLAGE INDUSTRIES PROGRAMME- WITH SPECIAL REFERENCE TO THODUPUZHA MUNICIPALITY” submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the award of the Degree of Master of Arts , in Economics, is a record of the original work done by **Ms. Anasooya Sunder**, Post graduate student in the Department of Economics, Newman College, Thodupuzha, during 2020-2022 under my supervision and guidance.

She is permitted to submit the dissertation.

Thodupuzha

27-03-2022

Miss. ROSEMARY VARGHESE

Department of Economics

Newman College, Thodupuzha

DR. BIJAMOL THOMAS

PRINCIPAL

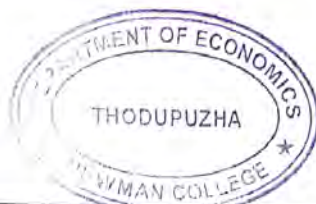
Newman College, Thodupuzha

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Dr: JENNIK ALEX

Head of the Department of Economics

Newman College, Thodupuzha





CERTIFICATE

This is to certify that the dissertation entitled VEGETABLE AND FRUIT PROMOTION COUNCIL KERALAM (VFPCK): A STUDY WITH SPECIAL REFERENCE TO THODUPUZHA TALUK is the bonafide research done by ANN MARY JOSEPH, final year Post Graduate student in the POST-GRADUATE DEPARTMENT OF ECONOMICS NEWMAN COLLEGE THODUPUZHA during 2020-22, under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

She is permitted to submit the dissertation

Thodupuzha

Sri. RATHEESH E.R

25.03.2022

Assistant Professor

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Dr. BIJIMOL THOMAS

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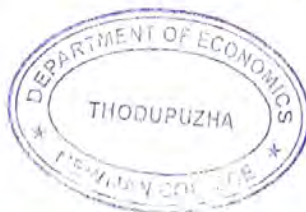
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Dr. JENNI K ALEX

Head of the Department

Newman College Thodupuzha



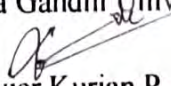


CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON THE INVESTMENT PATTERN OF EMPLOYED YOUTH AT MANJALLOOR PANCHAYATH" is the bonafide research done by **ANUGRAH JAISON** Post Graduate student of the post Graduate Department of Economics, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

Place: Thodupuzha


Date: March 2022


Prof. Xavier Kurian P.

Department of Economics

Newman College Thodupuzha

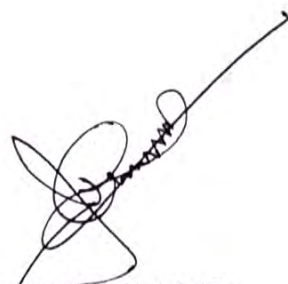
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Dr. BIJIMOL THOMAS

Principal,

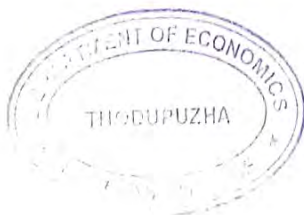
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Dr. JENNI K ALEX

Head of the Department Economics

Newman College, Thodupuzha





POST GRADUATE DEPARTMENT OF ECONOMICS
NEWMAN COLLEGE, THODUPUZHA
CERTIFICATE

This is to certify that the dissertation entitled LABOUR MARKET INTERVENTION OF PRADHAN MANTRI KOUSHAL VIKAS YOJANA – A STUDY WITH SPECIAL REFERENCE TO ERNAKULAM DISTRICT submitted to MAHATMA GANDHI UNIVERSITY, Kottayam in partial fulfilment of the requirements for the Award of the Degree of MASTER OF ARTS IN ECONOMICS is a record of original work done by Miss. **APARNA N S**, final year post graduate student in the DEPARTMENT OF ECONOMICS, NEWMAN COLLEGE, THODUPUZHA during 2020 – 2022, under the supervision and guidance of Sri Racheesh E R and it has not formed the basis of the award of any degree, diploma or any similar title and it is an independent work on the part of the candidate.

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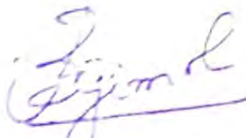

Sri .RATHEESH E R

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Head , Dept of Economics

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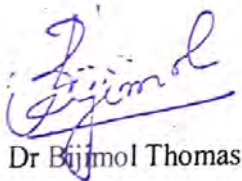


CERTIFICATE

This is to certify that the dissertation entitled “AN ANALYSIS OF THE IMPACT OF PRADHAN MANTRI KISSAN SAMMAN NIDHI YOJANA ON FARMARS: A STUDY WITH SPECIAL REFERENE TO PALLIVASAL PANCHAYTH IN IDUKKI DISTRICT” is a bonafide record of original work done by **ARYA BABU** M.A Final Year Student, Postgraduate Department of Economics, Newman College, Thodupuzha, during the academic year 2020-2022, under my guidance and supervision, in partial fulfilment of the requirement for the award of the Degree of Master of Economics of Mahatma Gandhi University, Kottayam

MS Deepa Abraham

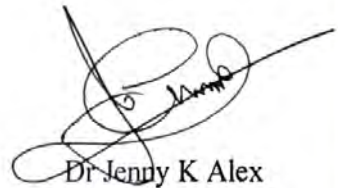
(Guide and Supervisor)



Dr Bijimol Thomas

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Dr Jenny K Alex

Head of the Department of Economics

Newman College Thodupuzha

Place: Thodupuzha

Date:



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This is to certify that the dissertation entitled “ COVID 19 AND ONLINE SHOPPING : A STUDY WITH SPECIAL REFERENCE TO THODUPUZHA MUNICIPALITY” is the bonafide work done by **BEEMA ISMAIL** post Graduate students of the Post Graduate Department of Economics, Newman College Thodupuzha , during 2020-2022 under my supervision and guidance in partial fulfillment of the requirement for Bachelor degree in Economics of Mahathma Gandhi university.

Place: Thodupuzha


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Assistant professor

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Newman College,

,Thodupuzha

Date: 25.03.2022

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Newman College , Thodupuzha


Dr. Jenni K Alex

Head of the Department
Newman College thodupuzha



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NEWMAN COLLEGE THODUPUZHA



CERTIFICATE

This is to certify that the work entitled "GOVERNMENT INTERVENTION AND SOCIO-ECONOMIC DEVELOPMENT OF TRIBAL PEOPLE: THE STUDY WITH REFERENCE TO VELLIYAMATTOM GRAMA PANCHAYAT" bonafide work of **Bismi Benchamin**, student of the post graduate Department of Economics, Newman college during 2020-2022 under my supervision and guidance in partial fulfillment of the requirement for Master Degree in Economics of Mahatma Gandhi University. She is permitted to submit dissertation.

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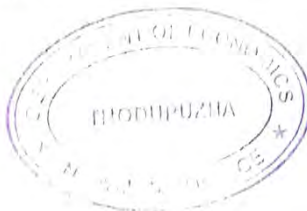
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This is to certify that the dissertation entitled "SOCIO ECONOMIC CONDITIONS OF WOMEN WORKERS IN UNORGANIZED SECTOR :A STUDY WITH SPECIAL REFERENCE TO WOMEN TEXTILE WORKERS IN THODUPUZHA MUNICIPALITY" submitted to MAHATMA GANDHI UNIVERSITY, Kottayam in partial Fulfilment of the requirements for the Award of Degree o MASTER OF ARTS IN ECONOMICS is a record of original work done by Miss. **DINNY SEBASTIAN**, final year post graduate student in the DEPARTMENT OF ECONOMICS, NEWMAN COLLEGE THODUPUZHA during 2020-2022, under the supervision and guidance of Miss. Deepa Abraham, Department of Economics, Newman College Thodupuzha it has not formed the basis of the award of any degree, diploma or any similar title and it is an independent work on the part of the candidate.

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MISS. DEEPA ABRAHAM

Department of Economics

Newman College Thodupuzha

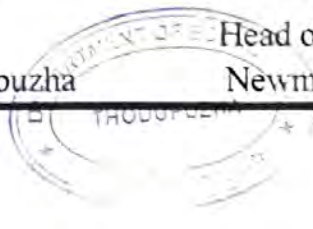
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DR. JENNI K ALEX

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This is to certify that the dissertation entitled “**Consumer’s Perceptions towards the use of Digital Payment System: A Study with Special Reference to Thodupuzha Municipality**” is a bonafide work done by **Janat Jose**, postgraduate students of the Post Graduate Department of Economics, Newman college, Thodupuzha during 2020 - 2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the degree of Master of Arts in Economics.

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Dr. Binimol Thomas

Principal

Newman College, Thodupuzha


Miss. Rosemary Varghese

Department of Economics

Newman College, Thodupuzha


Dr. Jenni K. Alex

Head, Department of Economics.

Newman College, Thodupuzha



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This is to certify that the dissertation entitled **ROLE OF DAIRY CO-OPERATIVES ON THE ECONOMIC EMPOWERMENT OF DAIRY FARMERS : A STUDY WITH SOCIAL REFERENCE TO KALLOORKAD GRAMA PANCHAYAT.** is the bonafide research done by **MERIN JAMES**, final year Post Graduate student in the POST GRADUATE DEPARTMENT OF ECONOMICS, NEWMAN COLLEGE THODUPUZHA during 2020-22, under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

She is permitted to submit the dissertation

Thodupuzha

25.03.2022

Sri. Ratheesh E R

Department of Economics

Newman College, Thodupuzha

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Dr. Jenni K Alex

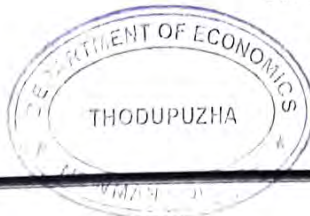
Head of the Department

Newman College Thodupuzha

Dr. Bijimol Thomas

Principal

Newman College Thodupuzha

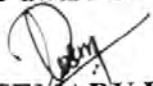


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This is to certify that the dissertation entitled 'A STUDY ON EDUCATED UNEMPLOYED YOUTH WITH SPECIAL REFERENCE TO MUVATTUPUZHA MUNICIPALITY' is a bonafide work done by **Muhammad Husain P.** postgraduate student of the Post Graduate Department of Economics, Newman college, Thodupuzha during 2020 - 2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the degree of Master of Arts in Economics.


Miss. ROSEMARY VARGHESE

Department of Economics

Newman college Thodupuzha

Place: Thodupuha

Date: 26/03/2022

Counter signed by,


DR. BIJIMOL THOMAS

Principal

Newman College Thodupuzha


DR. JENNI K ALEX

Head of the Department of Economics

Newman College Thodupuzha



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This is to certify that the dissertation entitled "EFFECTIVENESS OF LIFE MISSION HOUSING SCHEME IN RURAL AREAS: A STUDY WITH SPECIAL REFERENCE TO KUMARAMANGALAM GRAMAPANCHAYAT" is the bonafide research done by **PARVATHI SANKAR** Post Graduate student of the post Graduate Department Of Economics, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

Place: Thodupuzha

Date: 26.03.2022

Dr. Jenni K ALEX

Head of Department Economics

Department of Economics

Newman College, Thodupuzha

Counter Signed by:

Dr. BILIMOL THOMAS

Principal

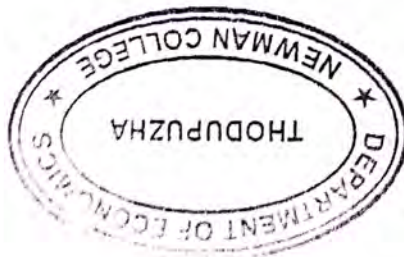
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Dr. JENNI K ALEX

Head of Department Economics

Department of Economics

Newman College, Thodupuzha



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This is to certify that the dissertation entitled ECONOMIC AND SOCIAL WELFARE OF ROADSIDE VENDORS: A STUDY WITH SPECIAL REFERENCE TO MUVATTUPUZHA MUNICIPALITY, is the bonafide research done by SARANYA SIVARAJAN, final year Post Graduate student in the POST GRADUATE DEPARTMENT OF ECONOMICS, NEWMAN COLLEGE THODUPUZHA during 2020-22, under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

She is permitted to submit the dissertation

Thodupuzha

25.03.2022

Dr. Jenni K. Alex

HoD, Department of Economics

Newman College, Thodupuzha

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Dr. Bijibal Thomas

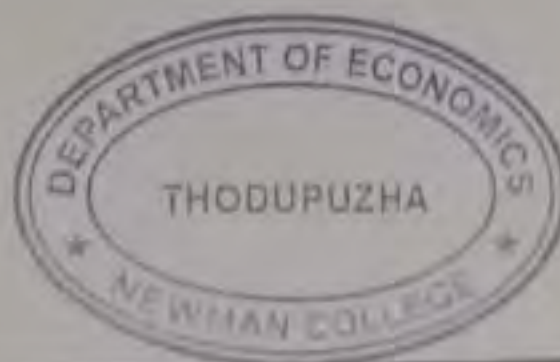
Principal

Newman College Thodupuzha

Dr. Jenni K Alex

Head of the Department

Newman College Thodupuzha





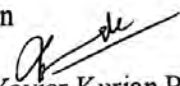
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This is to certify that the dissertation entitled "THE ROLE OF RASHTRIYA SWASTHYA BIMA YOJANA (RSBY) SCHEME IN HEALTH INSURANCE. A STUDY WITH SPECIAL REFERENCE TO THODUPUZHA MUNICIPALITY" is the bonafide research done by **THOMAS BABU**, final year Post Graduate student in the DEPARTMENT OF ECONOMICS NEWMAN COLLEGE THODUPUZHA during 2020-22, under my supervision and guidance in partial fulfillment of the requirements for the award of the Degree of Master of Arts in Economics in Mahatma Gandhi University.

He is permitted to submit the dissertation

Thodupuzha

25.03.2022


Sri. Xavier Kurian P

Assistant Professor

Department of Economics

Newman College, Thodupuzha

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Dr. BIJIMOL THOMAS

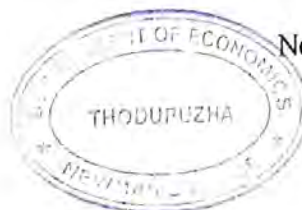
Principal

Newman College Thodupuzha


Dr. JENNI K ALEX

Head of the Department

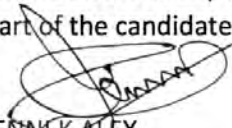
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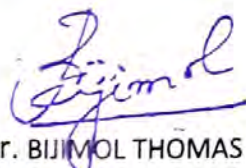
POST GRADUATE DEPARTMENT OF ECONOMICS
NEWMAN COLLEGE, THODUPUZHA

This is to certify that the dissertation entitled "**AYUSHMAN BHARAT PRADHAN MANTRI JAN AROGYA YOJANA (PMJAY) AND RURAL HEALTH INFRASTRUCTURE: A STUDY WITH SPECIAL REFERENCE TO PALAKUZHA GRAMPANCHAYAT, ERNAKULAM DISTRICT**" submitted to **MAHATMA GANDHI UNIVERSITY**, Kottayam in partial fulfillment of the requirements for the Award of Degree of MASTER OF ARTS IN ECONOMICS is a record of original work done by Miss. **Unnimaya Manoj**, final year post graduate student in the DEPARTMENT OF ECONOMICS, NEWMAN COLLEGE, THODUPUZHA during 2020-2022, under the supervision and guidance of Prof. Jenni K Alex and it has not formed the basis for the award of any degree, diploma or any similar title and it is an independent work on the part of the candidate. She is permitted to submit dissertation.


Prof. JENNI K ALEX

Head of the Department

Newman College Thodupuzha


Dr. BIJIMOL THOMAS

Counter signed by,

Principal,

Newman College Thodupuzha


Prof. JENNI K ALEX

Head of the Department

Newman College Thodupuzha



A Study of Social Realism in Aravind Adiga's *The White Tiger*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

AAMILA. S

Reg.No: 200021002417



LEAD KINDLY LIGHT

Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

*Valmed
Kiran
2/5/23*

Mr. Anand Abraham
Assistant Professor on Contract
Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **A Study of Social Realism in Aravind Adiga's The White Tiger** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Aamila S** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Jerome

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Date: 29 March 2023

Jerome

Anand Abraham
29/3/23
Mr. Anand Abraham



BEYOND THE GREEN LIGHT: A QUEER READING OF F SCOTT

FITZGERALD'S *THE GREAT GATSBY*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

ABHIRAMI M

Reg.No: 200021002381



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Valued
Mini
2/5/23



Certificate

This is to certify that the Dissertation entitled **Reminiscence of Past: Scars of Slave Memory in Yaa Gyasi's *Homegoing*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ms. Abhirami Raju** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K. Jose
Head, Dept. of English
Newman College,
Thodupuzha

Mr. Jerin Jose
Asst. Prof. On Contract
Dept. of English
Newman College, Thodupuzha



Place: Thodupuzha
Date: 29 March 2023

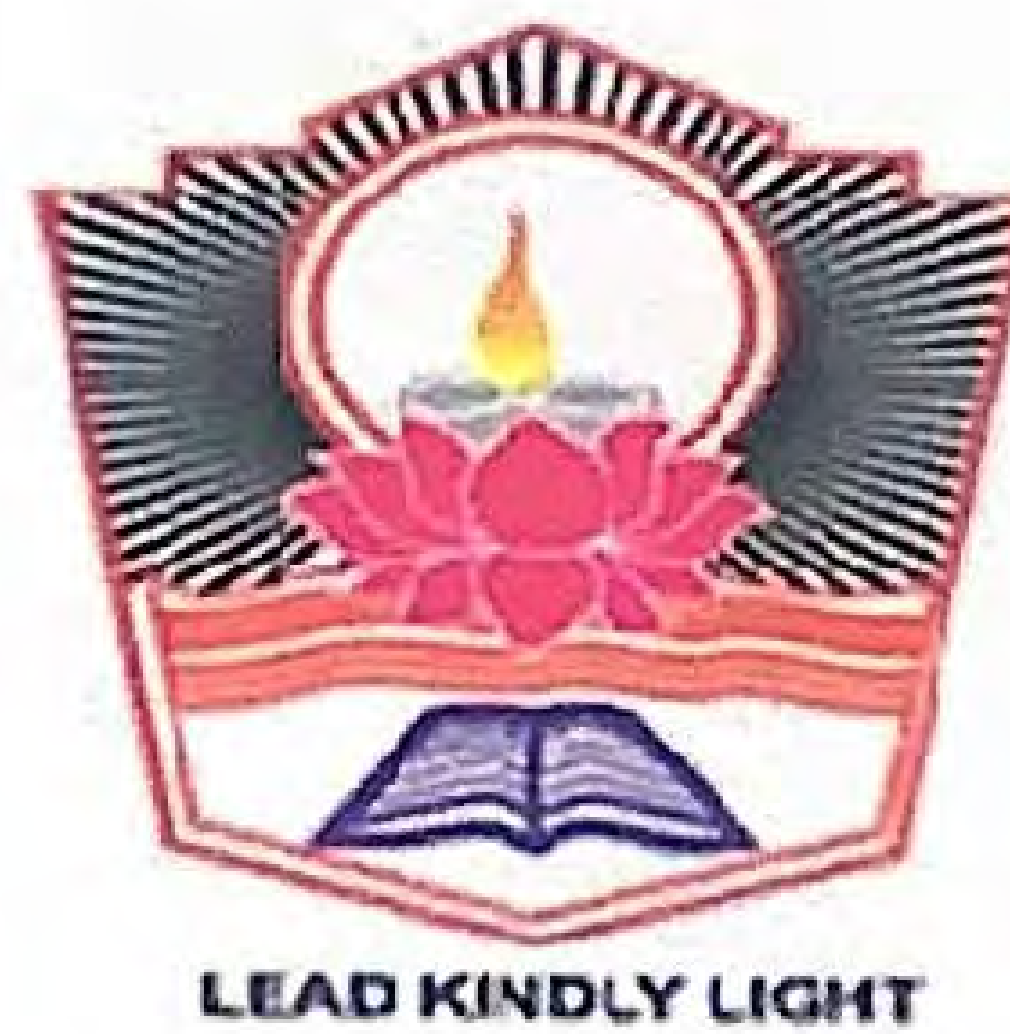
Reminiscence of Past: Scars of Slave Memory in Yaa Gyasi's *Homegoing*

Dissertation Submitted to Mahatma Gandhi University in Partial Fulfilment
of the Requirements for the Award of the Degree of Bachelor of Arts in
English Language and Literature

by

Abhirami Raju

Reg.No: 200021002418



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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by
2/3/23



Certificate

This is to certify that the Dissertation entitled **Reminiscence of Past: Scars of Slave Memory in Yaa Gyasi's *Homegoing*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ms. Abhirami Raju** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K. Jose
Head, Dept. of English
Newman College,
Thodupuzha

Mr. Jerin Jose
Asst. Prof. On Contract
Dept. of English
Newman College, Thodupuzha



Place: Thodupuzha
Date: 29 March 2023

Performing a Nation: Football as an Anti-Imperialist Game in India

Dissertation submitted to Mahatma Gandhi University, Kottayam,

in partial fulfilment of the requirements for the

award of the degree of Bachelor of Arts in

English Language and Literature

by

Ajmal Aliyar

Reg.No: 200021002382



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Signature
2/5/23.

Certificate

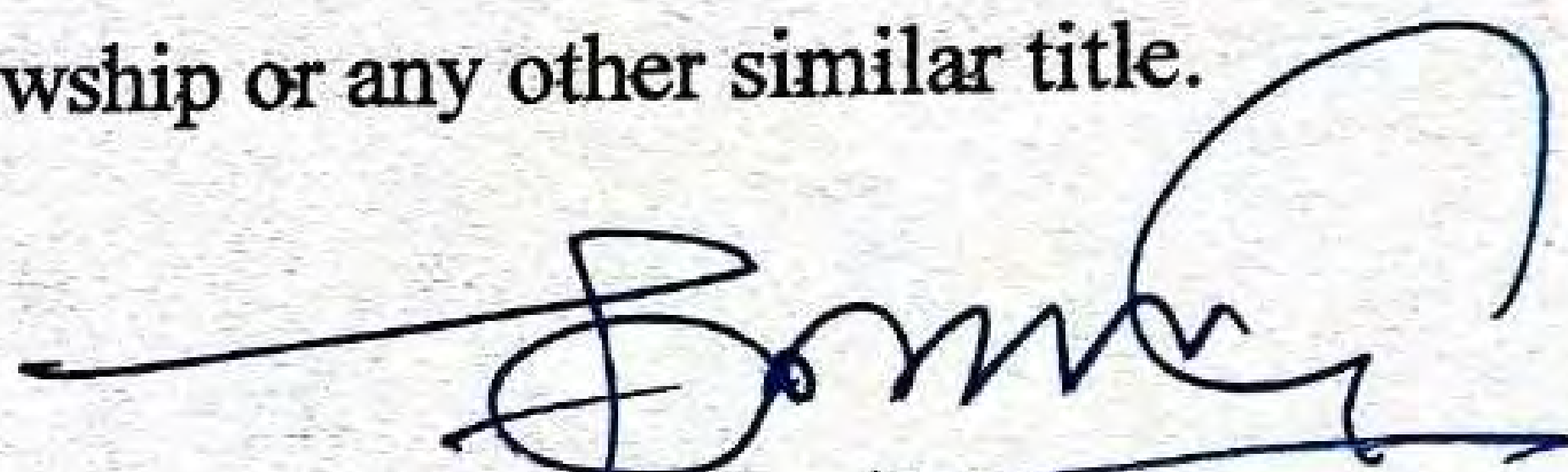
This is to certify that the dissertation entitled "Performing a Nation: Football as an Anti-Imperialist Game in India" submitted to Mahatma Gandhi University, Kottayam, in partial fulfilment of the requirements for the award of the degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ajmal Aliyar** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar title.



Head of the Department

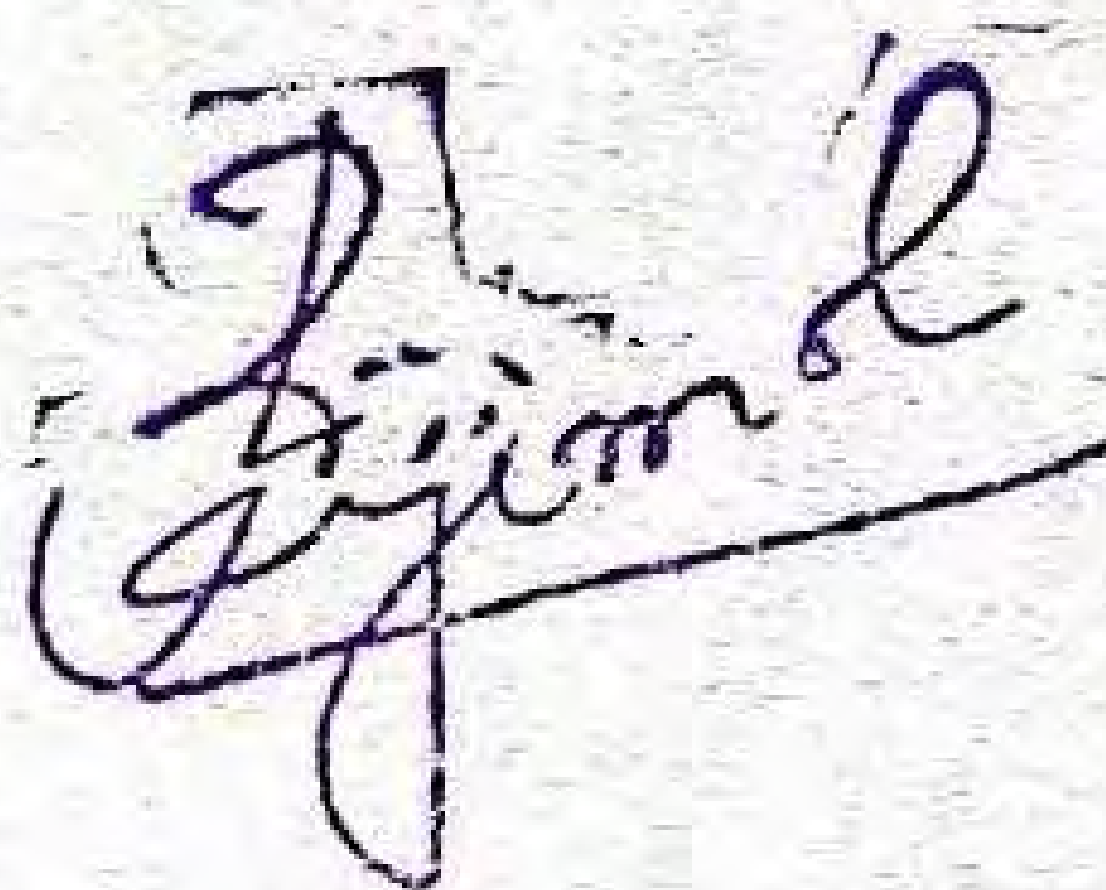
Dr. Jerome K Jose

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha



Dr. George Sebastian

Assistant Professor



Place: Thodupuzha

Date: 29 March 2023

**UNDONE IN UNDOING: A QUEER READING OF MARY OLIVER'S "WILD
GEESE" AND CHRISTINA ROSSETTI'S "GOBLIN MARKET"**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

AKASH TOMY

Reg.No: 200021002383



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Mr. Anand Abraham
Assistant Professor on Contract
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Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Undone in Undoing: A Queer Reading of Mary Oliver's "Wild Geese" and Christina Rossetti's "Goblin Market"** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Akash Tomy** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K. Jose
Head of the Department **Head, Dept. of English**
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023

Mr. Anand Abraham



***YELLOW IS THE COLOUR OF LONGING: AN ANALYSIS OF FEMINIST
THEORY***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

AKHIL P R

Reg.No: 200021002384



Postgraduate and Research Department of English

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March 2023


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John
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This is to certify that the Dissertation entitled *Yellow is the Colour of Longing: An Analysis of Feminist Theory* submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Akhil P Runder** my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha


Mr. Jerin Jose
Assistant Professor on
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Department of English
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Place: Thodupuzha

Date: 29 March 2023



THE IMPORTANCE OF PROPER SEX EDUCATION IN PRIMARY CLASSES –

A CASE STUDY

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

AKSHAYA PHILIP

Reg.No: 200021002385



Postgraduate and Research Department of English

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Dr. Meera Mathews
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This is to certify that the Dissertation entitled **The Importance of Proper Sex Education in Primary Classes – A Case Study** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Akshaya Philip** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023

Dr. Meera Mathews



EXPLORING PSYCHOSOCIAL DEVELOPMENT THROUGH THE FILM

NANPAKAL NERATHU MAYAKKAM

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

ALAN BIJU

Reg.No: 200021002386



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Jain
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CERTIFICATE

This is to certify that the Dissertation entitled **Exploring Psychosocial Development through the Film Nanpakal Nerathu Mayakkam** .submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Mr. Alan Biju** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K Jose

Head of the Department

Department of English

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Fr Benson N Antony

Assistant Professor

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**The Toxicity of Traditional Masculinity: An Analysis of Male Characters in
Kumbalangi Nights**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

ALFIA NIZAR

Reg.No: 200021002419



Postgraduate and Research Department of English

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Date 21/3/23*

Dr.Meera Mathews
Assistant Professor
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CERTIFICATE

This is to certify that the Dissertation entitled **The Toxicity of Traditional Masculinity: An Analysis of Male Characters in Kumbalangi Nights** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Alfia Nizar** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha
Place: Thodupuzha

Date: 29 March 2023

Dr.Meera Mathews



"GOD HELP THE CHILD": A STUDY OF RACE AND TRAUMA

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

ALFIYA ANVAR SADATH

Reg.No: 200021002387



Postgraduate and Research Department of English

Newman College, Thodupuzha

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CERTIFICATE

This is to certify that the Dissertation entitled “**God Help the Child**”: A study of **Race and Trauma** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Alfiya Anvar Sadath** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023

29/3/23

Mr. Anand Abraham



A FEMINIST ANALYSIS OF *SMALL REMEDIES* BY SHASHI DESHPANDE

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

ALFIYA MUHAMMED

Reg.No: 200021002388



LEAD KINDLY LIGHT

Postgraduate and Research Department of English

Newman College, Thodupuzha

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Ms. Elizabeth Mathew
Assistant Professor on Contract

Department of English
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CERTIFICATE

This is to certify that the Dissertation entitled **A FEMINIST ANALYSIS OF SMALL REMEDIES BY SHASHI DESHPANDE** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **ALFIYA MUHAMMED** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Elizabeth Mathew

Place: Thodupuzha

Date: 29 March 2023



**BEYOND THE DOMINANT GAZE: UNDERSTANDING SUBALTERN
PERSPECTIVES IN AJAYA: ROLL OF THE DICE**

**Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature**

by

ALLEN JOHNY

Reg.No: 200021002389



**Postgraduate and Research Department of English
Newman College, Thodupuzha
March 2023**

*Valued
Signature
2/5/23*



CERTIFICATE

This is to certify that the Dissertation entitled **Beyond the Dominant Gaze: Understanding Subaltern Perspectives in *Ajaya: Roll of the Dice*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Allen Johny under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K Jose

Head of the Department

Department of English

Newman College

Thodupuzha – 685585

Fr. Benson N Antony

Assistant Professor

Department of English

Newman College

Thodupuzha – 685585



FROM MIDDLE-EARTH TO INDIA: A COMPARATIVE STUDY OF HOBBIT

GOBLINS AND DALITS THROUGH SUBALTERN THEORY

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

ALWIN SOVI

Reg.No: 200021002390



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Jain
2/5/23



CERTIFICATE

This is to certify that the Dissertation entitled From Middle-Earth to India: A Comparative Study of Hobbit Goblins and Dalits through Subaltern Theory submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Alwin Sovi under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K Jose

Head of the Department

Department of English

Newman College

Thodupuzha – 685585

Fr Benson N Antony

Assistant Professor

Department of English

Newman College

Thodupuzha – 685585

Date: 29 March 2023



**EXSTENTIAL CRISES OF WOMEN CHARACTERS IN THE
NOVEL "FIRE ON THE MOUNTAIAN" BY ANITA DEASI**

Dissertation submitted to Mahatma Gandhi University

In partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

By

AMALU SAJU

Reg.No: 20001002420



Postgraduate and Research Department of English

Newman College, Thodupuzha


March 2023

*Valued
Kunj
2/5/23*



CERTIFICATE

This is to certify that the Dissertation entitled to **Existential crises of women characters in the novel Fire on mountain by Anita Desai Mahatma Gandhi** University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Amalu Saju under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Dr. Jerome K. Saju
HOD
Department of English
Newman College
Thodupuzha

Fr. Benson N Antony
Assistant Professor
Newman College
Thodupuzha





Place: Thodupuzha

Date :29 March 2023

Chronicle of Big Bs : Redefining Gender Stereotypes in The Powerpuff Girls

dissertation submitted to the Mahatma Gandhi University, Kottayam

in partial fulfilment of the requirement for the

award of the of Degree of Bachelor of Arts

English in language and literature

by

Amina PS

Register no : 200021002421



Postgraduate and Research Department of English

Newman College Thodupuzha

March 2013

Assistant Professor

Dr . George Sebastian

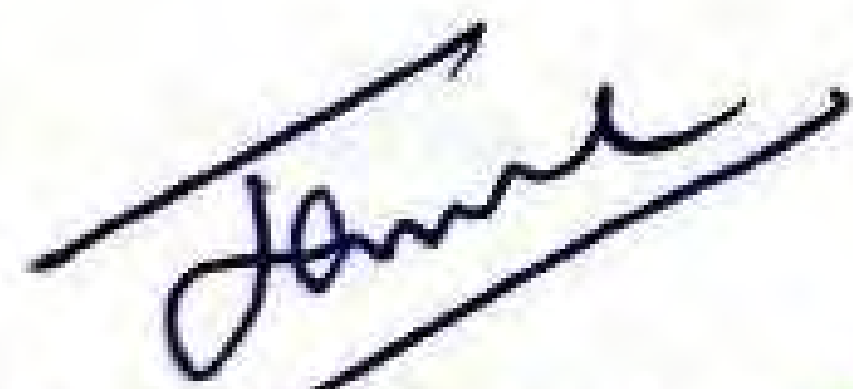
Department of English

Newman College Thodupuzha- 685585

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Certificate

This is a certify that the dissertation entitled **Chronicles of Big B : Redefining gender stereotypes in Powerpuff Girls** submitted to Mahatma Gandhi University by Amina. PS from the award of the Degree of Bachelor of Arts is a record bona fide research work carried out by her under my guidance and supervision. This dissertation has preached the standard fulfilling the requirements of the award of the degree .



Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place : Thodupuzha

Date : 29 March 2023





Dr George Sebastian



Lack of quotations

A NEW HISTORICIST READING OF 300

A Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

ANAND N P

Reg. No: 200021002422



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

[Handwritten signature]

Ms. Bincy Sebastian

Assistant Professor on contract

Department of English

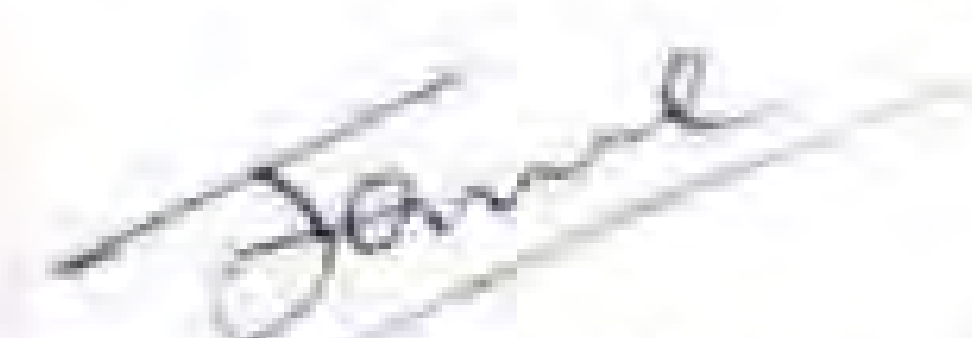
Newman College

Thodupuzha - 685585



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This is to certify that the dissertation entitled **A New Historicist Reading of 300** submitted to Mahatma Gandhi University in partial fulfilment for the requirements for the award of the degree of Bachelor of Arts in English Language and Literature is a record of original work done by **Mr. Anand N P** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other simple titles.


Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023


Ms. Bincy Sebastian





**Conjured Time, Fabricated Space and the Language of the Carnival: A Narratological
study of Steven Erikson's Malazan Book of the Fallen**

Dissertation submitted to Mahatma Gandhi University, Kottayam

In partial fulfilment of the requirements for the

Award of the degree of Bachelor of Arts in

English Language and Literature

By

Anantha Krishnan P

Reg.No: 200021002391



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

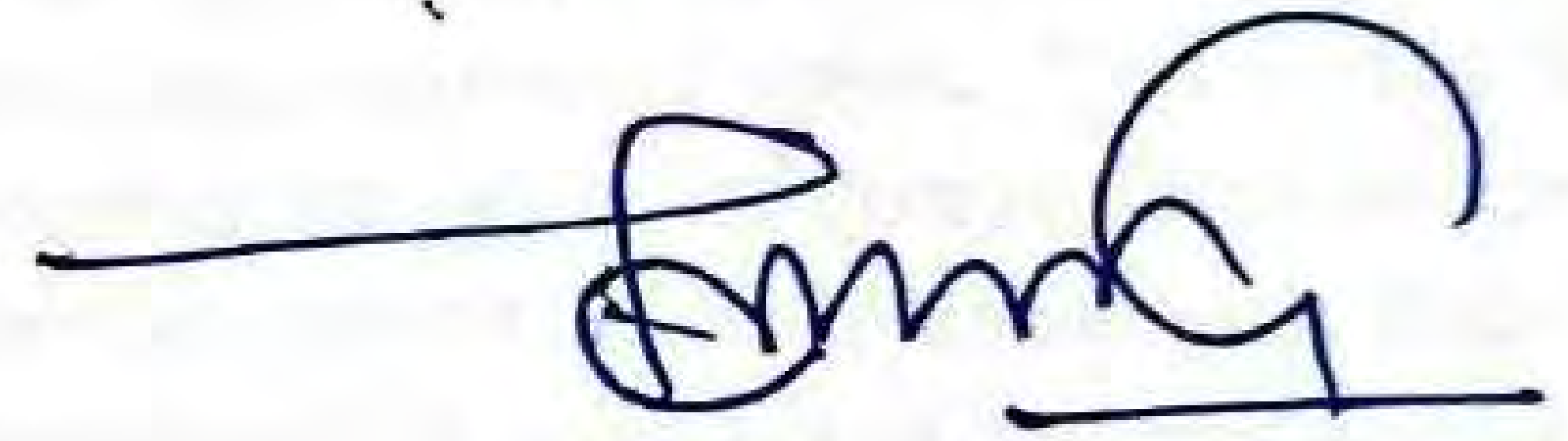
*Y. Anantha
Jinir
2/5/23*

Certificate

This is to certify that the dissertation entitled **Conjured Time, Fabricated Space and the Language of the Carnival: A Narratological study of Steven Erikson's Malazan Book of the Fallen** submitted to Mahatma Gandhi University, Kottayam in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Anantha Krishnan P** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any degree, diploma, fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose.



Dr. George Sebastian

Assistant professor



Place: Thodupuzha

Date: 29 March 2023



Worked wrong

**A STUDY OF THE COLLECTIVE UNCONSCIOUS AND
ARCHETYPES: A JUNGIAN PSYCHOANALYTIC READING OF
TOMB OF SAND**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

ANEENA ANNIE TOM

Reg.No: 200021002423



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Dr. Jerome K. Jose
Head

Department of English
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This is to certify that the Dissertation entitled **A Study of the Collective Unconscious and Archetypes: A Jungian Psychoanalytic Reading of *Tomb of Sand*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ms. Aneena Annie Tom** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K. Jose

Dr. Jerome K. Jose
Head, Dept. of English
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Place: Thodupuzha

Date: 29 March 2023

HOLOCAUST
IN ANNE FRANK DIARY SO LONG STORY.

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

ANITTA SHAJI

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Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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This is to certify that the Dissertation entitled *Holocaust in a the diary of a young girl* submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Anitta Shaji under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023

Dr. Teena Thomson



**“ALL ANIMALS ARE EQUAL BUT SOME ARE MORE EQUAL THAN
OTHERS”– A FEMINIST READING OF *ANIMAL FARM***

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

ANNAPOORNA HARIKUMAR

Reg.No: 200021002393



Postgraduate and Research Department of English

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Dr. Teena Thomson
Assistant Professor

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Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **All Animals are Equal but some are more Equal than Others –A Feminist Reading of *Animal Farm*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Annapoorna Harikumar under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Dr. Teena Thomson

Place: Thodupuzha

Date: 29 March 2023



A CRITICAL READING OF THE KITE RUNNER BY KHALED HOSSEINI

**A Dissertation submitted to Mahatma Gandhi University in partial fulfilment of
the requirements for the award of the Degree of Bachelor of Arts in English
Language and Literature**

by

ASHIK RASHEED

PRN: 200021002394



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Submitted
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Dr. Teena Tomson

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Assistant Professor

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CERTIFICATE

This is to certify that the dissertation entitled **A Critical Reading of The Kite Runner** by **Khaled Hosseini** submitted to Mahatma Gandhi University in partial fulfilment for the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of original work done by **Ashik Rasheed** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Dr. Teena Tomson

Place: Thodupuzha

Date: 29 March 2023



**THE MAKING OF THE SUPERHERO:
A STUDY OF MASCULINITY IN *MINNAL MURALI* AND *SHAZAM***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

ASHWIN S

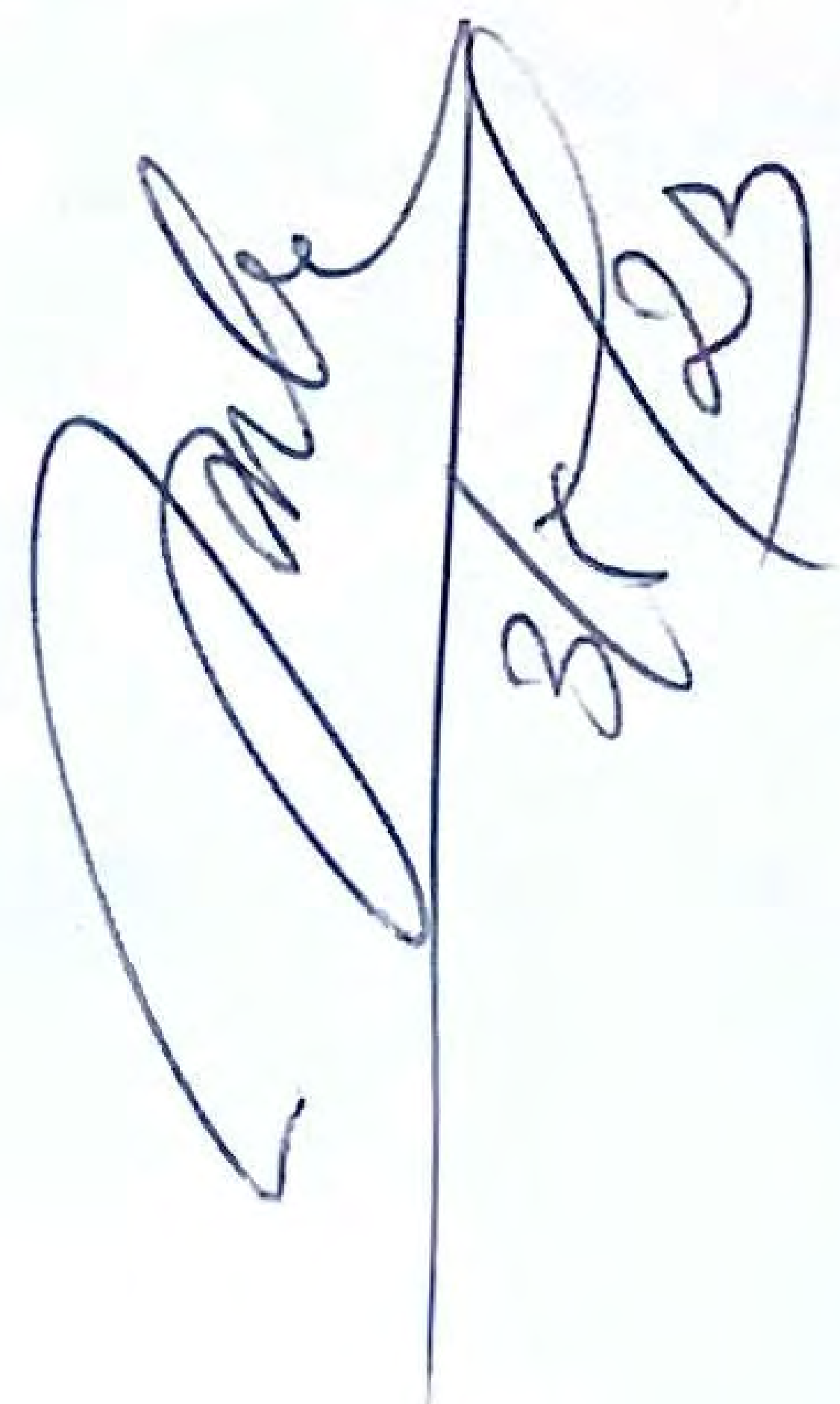
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March 2023




Ms. Elizabeth Mathew
Assistant Professor on contact

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CERTIFICATE

This is to certify that the Dissertation entitled **Making of the Superhero: A Study of *Minnal Murali and Shazam*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ashwin S** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha


Ms. Elizabeth Mathew





The Panoptic Gaze in *Men in Black*: Surveillance and Boundaries of Freedom

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

Mr. Asif Moosa Pareeth

Reg.No: 200021002395



Postgraduate and Research Department of English

Newman College, Thodupuzha

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Leena P Kuriakose
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Thodupuzha – 685585



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This is to certify that the Dissertation entitled **The Panoptic Gaze in *Men in Black: Surveillance and Boundaries of Freedom*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Asif Moosa Pareeth under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Leena P Kuriakose

Place: Thodupuzha

Date: 29 March 2023



JOURNEY OF FAREIBA A FEMINIST READING OF NADIA HASHMI'S

WHEN THE MOON IS LOW

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

AYANA V PALAKUZH

Reg.No: 200021002425



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023



Ms. Bincy Sebastian
Assistant Professor (On Contract)

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CERTIFICATE

This is to certify that the Dissertation entitled **Journey of Fareiba: A Feminist Reading of Nadia Hashmi's *When the Moon is Low*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ayana V Palakuzhi under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Bincy Sebastian

Place: Thodupuzha

Date: 29 March 2023



**Voicing the Other: Reading R. L. Stevenson's *Treasure Island* in a Postcolonial
Perspective**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Ayilya Ravi

Reg. No: 200021002426



Postgraduate and Research Department of English

Newman College, Thodupuzha


March 2023





Certificate

This is to certify that the dissertation entitled "Voicing the Other: Reading R. L. Stevenson's *Treasure Island* in a Postcolonial Perspective" submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ayilya Ravi under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha



Ms. Princy Jacob

Assistant Professor

Newman College

Place: Thodupuzha

Date: 29 March 2023

Withering Pasts: Postmodern Reflections in Benjamin's

Yellow Lights of Death

Dissertation Submitted to Mahatma Gandhi University in Partial Fulfilment
of the Requirements for the Award of the Degree of Bachelor of Arts in
English Language and Literature

by

Ayona George

Reg.No: 200021002396



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Jin
2/5/23



Certificate

This is to certify that the Dissertation entitled **Withering Pasts: Postmodern Reflections in Benyamin's *Yellow Lights of Death*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ms. Ayona George under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K. Jose
Head, Dept. of English
Newman College,
Thodupuzha

Mr. Jerin Jose
Asst. Prof. On Contract
Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha
Date: 29 March 2023



**The Nature Culture Nexus: Narrating Brandon Sanderson's *The Way of Kings* in an
Ecocritical Lens**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Basil Anil

Reg.No: 200021002427



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Handwritten signature and date: Basil Anil 3/5/23



Certificate

This is to certify that the dissertation entitled "The Nature Culture Nexus: Narrating Brandon Sanderson's *The Way of Kings* in an Ecocritical Lens" submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Basil Anil under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Princy Jacob

Assistant Professor

Dept. of English



Place: Thodupuzha

Date: 29 March 2023

**THE GOD OF SMALL THINGS : AN ANALYSIS BASED ON
FEMINIST THEORY**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Mr. BLEMIN PAUL

PRN: 200021002397



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Valued
Time
2/5/23

Dr. Teena Tomson

Assistant Professor

Department of English

Newman College

Thodupuzha - 685585



CERTIFICATE

This is to certify that the dissertation entitled *The God of Small Things : An Analysis Based on Feminist Theory*, submitted to Mahatma Gandhi University in partial fulfilment for the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of original work done by Blemin Paul under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other simple titles.

Head of the Department

Place: Thodupuzha

Date: 29 March 2023

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Dr. Teena Tomson



“I now walk into the Wild”: An existential reading of Sean Penn’s *Into the wild*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

Mr. Brahmadathan B

Reg.No: 200021002428



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

A handwritten signature in blue ink, appearing to be "Mr. Brahmadathan B", is written in the bottom right corner of the page.

Mr. Anand Abraham
Assistant Professor on contract
Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled “**I now walk into the Wild**”: An **existential reading of Sean Penn’s *Into the wild*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Brahmadathan B** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Anand Abraham

Dz. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023



BODY POLITICS IN O. CHANDHUMENON'S *INDULEKHA*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

CERA ROSE ANTONY

Reg.No: 200021002398



Postgraduate and Research Department of English

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March 2023

Dr Merra Mathews

Department of English

Assistant Professor

Department of English

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Valued
June
2/5/23

Dr. Meera Mathews
Assistant Professor
Department of English
Newman college
Thodupuzha - 685588



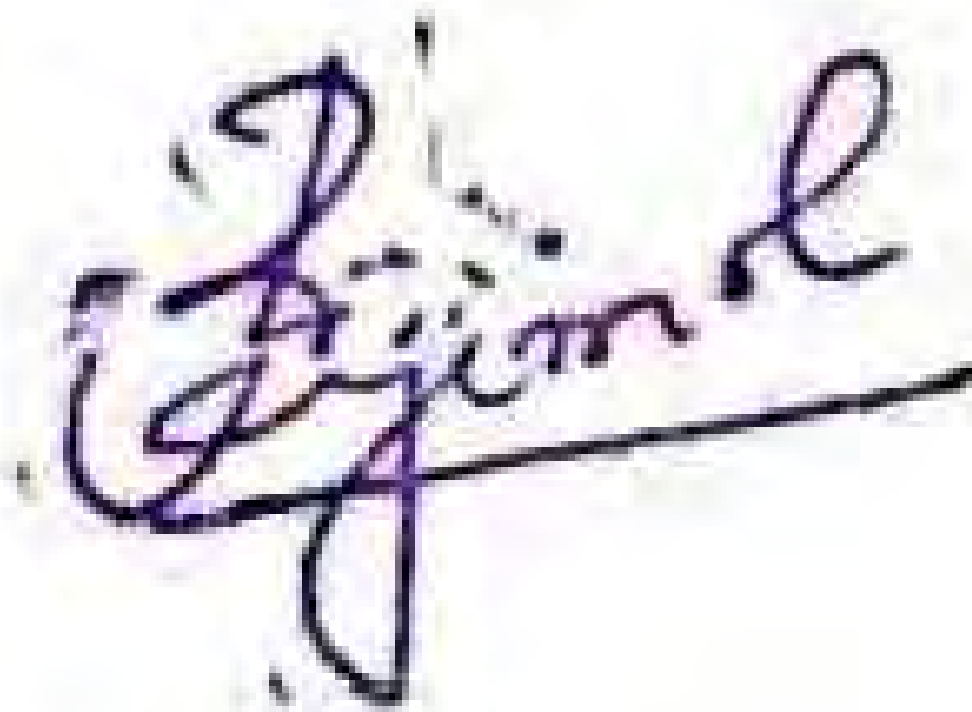
CERTIFICATE

This is to certify that the Dissertation entitled **Body Politics in O. Chandhumenon's *Indhulekha*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Cera Rose Antony under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha


Dr. Meera Mathews

Place: Thodupuzha
Date: 29 March 2023





**A SAGA OF SELF – DISCOVERY: READING OF SHASHI DESHPANDE'S
THAT LONG SILENCE IN A PSYCHOANALYTIC PERSPECTIVE**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Ms.CHANJAL SHAJI

Reg.No: 200021002399



Postgraduate and Research Department of English

Newman College, Thodupuzha

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July
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Leena P Kuriakose
Assistant Professor

Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **A Saga of Self – Discovery: Reading of Shashi Desphande's *That Long Silence* in a Psychoanalytic perspective** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Chanjal Shaji** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha


Leena P. Kuriakose

Place: Thodupuzha

Date: 29 March 2023





Unraveling the Human Psyche: A Freudian Exploration of *The Wolf of Wall Street* by Martin Scorsese

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Devanand B.

Reg. No: 200021002429



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

A handwritten signature in blue ink, which appears to be "Devanand B.", is written over the date "23/3/23". The signature is stylized and cursive.



Certificate

This is to certify that the dissertation entitled “Unraveling the Human Psyche: A Freudian Exploration of *The Wolf of Wall Street* by Martin Scorsese” submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Devanand B under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Princy Jacob

Assistant Professor

Department of English

Newman College



Place: Thodupuzha

Date: 29 March 2023

**THE GRANDMOTHER'S GARDENS:
A FEMINIST READING OF K R MEERA'S
*SOORYANE ANINJA ORU STHREE***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the award
of the Degree of Bachelor of Arts in
English Language and Literature

by

DEVIKA RAJAN

Reg. No: 200021002430



Postgraduate and Research Department of English

Newman College, Thodupuzha.

March 2023

Devika Rajan

Ms. Elizabeth Mathew
Assistant Professor on Contract

Department of English Assistant
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **THE GRANDMOTHERS GARDENS: A FEMINIST READING OF K R MEERA'S SOORYANE ANINJA ORU STHREE** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ms Devika Rajan** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha


Ms. Elizabeth Mathew





Place: Thodupuzha
Date: 29-03-2023

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poor work
citations

**FEMINIST CONSCIOUSNESS AND EMANCIPATION OF WOMEN FROM
SOCIAL PREJUDICE IN SUDHA MURTY'S *MAHASHWETA***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

By

DHIYA BINU

Reg.No: 200021002431



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

[Handwritten signature]
25/23

Dr. Jerome K Jose

Head

Department of English

Newman College

Thodupuzha-685585



CERTIFICATE

This is to certify that the Dissertation entitled **Feminist Consciousness and Emancipation of Women from Social Prejudice in Sudha Murty's *Mahashweta*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **DhiyaBinu** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K Jose

**Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha**



Place: Thodupuzha

Date: 29 March 2023

**SOLITUDE AMIDST THE INTRICATE WEB OF RELATIONSHIPS: AN
ANALYSIS OF CRY, THE PEACOCK**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Ms. GAYATHRI HARIDAS

Reg.No: 200021002432



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023



Dr. Jerome K Jose
Head

Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Solitude Amidst the Intricate web of Relationships: An Analysis of Cry, The Peacock** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Gayathri Haridas under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Dr. Jerome K Jose



Place: Thodupuzha

Date: 29 March 2023

LANGUAGE OF FEMINISM AND ITS IMPACTS ON THE SOCIETY

IN MARIAMA BA'SO *Long A LETER*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

MS.GAYATHRI SASI

Reg.No: 200021002400



MAHATMA GANDHI UNIVERSITY

Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

ahead
Jiny
2/5/23

Dr. Meera Mathews
Assistant Professor
Department of English
Newman College
Thodupuzha-685588



CERTIFICATE

This is to certify that the Dissertation entitled **Language of Feminism and its Impacts on the Society in Mariama Ba's *So Long a Letter*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Gayathri Sasi under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Dr. Meera Mathews

Place: Thodupuzha

Date: 29 March 2023



ANTI HERO IN *AMERICAN PSYCHO*: A PSYCHO SOCIAL STUDY

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Mr. GEORGEKUTTY A.S

Reg.No: 200021002401



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Kuramy
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Mr. Anand Abraham
Assistant Professor (on contract)
Department of English
Newman College
Thodupuzha- 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Anti Hero in American Pshyco:A Psycho Social Study** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Georgekutty A.S under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Jerome

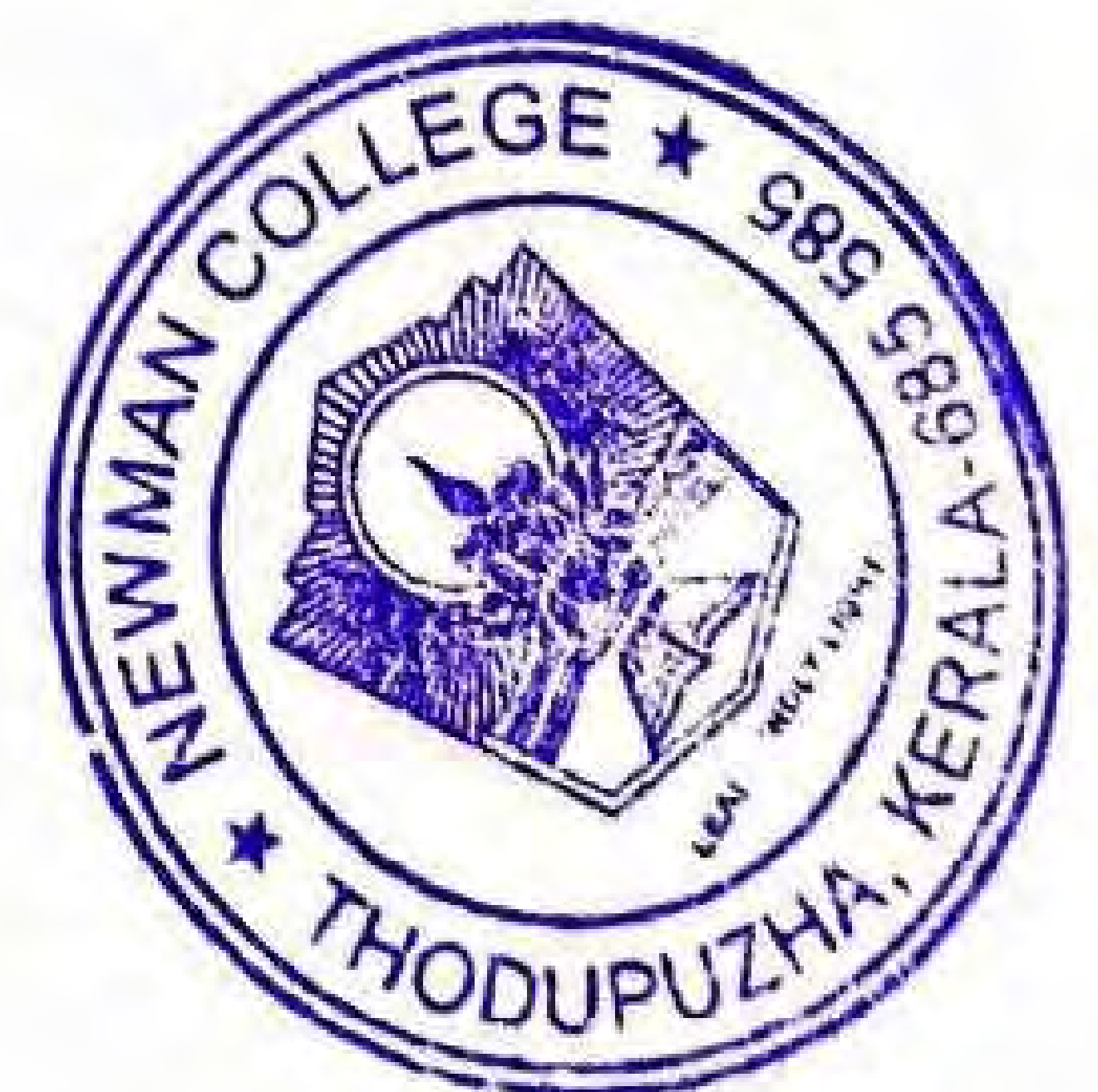
Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Anand Abraham
29/3/23
Anand Abraham

Place: Thodupuzha

Date: 29 March 2023

Georgekutty A.S



A FEMINIST READING OF SUBHASH CHANDRAN'S

A PREFACE TO MAN

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

INSANA SHAJI

Reg No: 200021002402



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

*Valued
by
2/8/23*

Mrs. Ajomy Maria Joseph
Assistant Professor
Thodupuzha - 685585

Department of English
Newman College



CERTIFICATE

This is to certify that the Dissertation entitled **A Feminist Reading of Subhash Chandran's *A Preface to Mans*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ms. InsanaShaji** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Mrs. Ajomy Maria Joseph

Place: Thodupuzha

Date: 29 March 2023



**“A LONELINESS THAT CAN BE ROCKED”:
A READING OF TONI MORRISON’S *BELOVED* IN THE LIGHT OF
TRAUMA THEORY**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Ms. Jiss Joshy

Reg. No: 200021002403



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Ms. Elizabeth Mathew
Assistant Professor on Contract

Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled “**A LONELINESS THAT CAN BE ROCKED**”: A READING OF TONI MORRISON’S *BELOVED* IN THE LIGHT OF TRAUMA THEORY submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ms. Jiss Joshy under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Elizabeth Mathew



Place: Thodupuzha

Date: 29 March 2023

**REVIEWING THE GOTHIC TRADITION: TRANSFORMATIONS AND
TRANSGRESSIONS IN BRAM STOKER'S *DRACULA***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Ms.LAKSHMI NANDAN

Reg.No: 200021002405



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Anay
2/5/23*

Leena P Kuriakose
Assistant Professor

Department of English
Newman College
Thodupuzha- 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Reviewing the Gothic Tradition: Transformations and Transgressions in Bram Stoker's *Dracula*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Lakshmi Nandan under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Leena P Kuriakose



Place: Thodupuzha

DREAD, DEATH, "DASEIN": AN EXISTENTIAL STUDY OF *THE FAULT IN*

OUR STARS BY JOHN GREEN

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

LISNA SIBY

Reg.No: 200021002434



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023



Ms. Bindhu Joseph
Assistant Professor
Department of English
Newman College
Thodupuzha-685585



CERTIFICATE

This is to certify that the Dissertation entitled **Dread, Death, "Dasein": An Existential Study of *The Fault in Our Stars* by John Green** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Lisna Siby under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023

Ms. Bindhu Joseph



**VOICING THE SILENCED THROUGH EDUCATION : READING SHASHI
DESHPANDE'S *THAT LONG SILENCE* FROM A FEMINIST PERSPECTIVE**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

M.E.MUBEENA

Reg.No: 200021002406



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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Library
2/18/23

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LEAD KINDLY LIGHT

This is to certify that the Dissertation entitled *Voicing the Silenced through Education : Reading Shashi Deshpande's That Long Silence from a Feminist Perspective* submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by M.E.Mubeena under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department
Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Jerin Jose
Assistant Professor on Contract
Department of English
Newman College
Thodupuzha - 685585

Place : Thodupuzha

Date : 29 March 2023



SECOND LANGUAGE ACQUISITION IN BILINGUAL CLASSROOM

:AN ANALYSIS

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

MAHINSHA M SHAJI

Reg.No: 200021002435



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Handwritten signature and date: 28/5/23

Ms. Bincy Sebastian
Asst. Prof. On Contract

Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Second Language Acquisition in Bilingual Classroom: An Analysis** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Mr. Mahinsha M Shaji** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Place: Thodupuzha

Date: 29 March 2023

Ms. Bincy Sebastian



**The Geography of *Naalukettu*: Understanding Social Dynamics Through
Spatial Theory**

Dissertation Submitted to Mahatma Gandhi University in Partial Fulfilment
of the Requirements for the Award of the Degree of Bachelor of Arts in
English Language and Literature

by

Manu Saji

Reg.No: 200021002436



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

John D. P. P.
2/5/23



Certificate

This is to certify that the Dissertation entitled **The Geography of Naalukettu: Understanding Social Dynamics Through Spacial Theory** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Mr. Manu Saji** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any similar title.

Dr. Jerome K. Jose
Head, Dept. of English
Newman College,
Thodupuzha

Mr. Jerin Jose
Asst. Prof. On Contract
Dept. of English
Newman College,
Thodupuzha



Place: Thodupuzha
Date: 29 March 2023

TRAUMATIC PAST AND DEFEATED PRESENT: A READING OF KHALED
HOSSEINI'S *A THOUSAND SPLENDID SUNS*

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

MARIATTE MATHEW

Reg No: 200021002407



LEAD KINDLY LIGHT

Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

*Valheed
Kumar
21/3/23*

Ms. Bincy Sebastian
Asst. Prof. On Contract

Department of English
Newman College
Thodupuzha - 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Traumatic Past and Defeated Present: A Reading of Khaled Hosseini's *A Thousand Splendid Suns*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ms. Mariatte Mathew under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Bincy Sebastian

Place: Thodupuzha

Date: 29 March 2023



**CYBORGS AND THE POSTHUMAN FUTURE: A STUDY OF
TERMINATOR 2 JUDGMENT DAY THE MOVIE**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

Mr. MERVIN ANTONY

Reg.No: 200021002408



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Vahed
Kwan
2/5/23

Ms. Bindhu Joseph
Assistant Professor
Department of English
Newman College
Thodupuzha-685585



CERTIFICATE

This is to certify that the Dissertation entitled **Cyborgs And The Posthuman Future: A Study OF Terminator 2 Judgment Day The Movie** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Mervin Antony under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Bindhu Joseph

Place: Thodupuzha

Date: 29 March 2023



**EXPLORING THE NOTION OF HUMAN NATURE: A
PSYCHOANALYTICAL READING OF AGATHA CHRISTIE'S SELECTED
NOVELS**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

NEHIN HARON DANIEL

Reg.No: 200021002437



Postgraduate and Research Department of English
Newman College, Thodupuzha
March 2023

Submitted by P. Shiba
25/3/23

**STUDY OF ALIENATION IN SHASHI DESHPANDE'S NOVEL
THE DARK HOLDS NO TERRORS**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

NIMISHA THANKAPPAN

Reg.No: 200021002438



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Submitted by P. S. S. S.
3/15/23.

Mrs. Bindhu Joseph
Assistant Professor

Department of English
Newman College
Thodupuzha – 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Study of Alienation in Shashi Deshpande's Novel – *The Dark Holds No Terrors*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Nimisha Thankappan under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Mrs. Bindhu Joseph



Place: Thodupuzha

Date: 29 March 2023

**A SPIRITUAL QUEST FOR SELF- REALISATION: PSYCHOANALYTIC
STUDY OF *THE ALCHEMIST***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

PARVATHY G NAIR

Reg.No: 200021002409



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Signature
Kishan
2/5/23

Sr. Leena P Kuriakose
Assistant Professor

Department of English
Newman College
Thodupuzha - 685585



CERTIFICATE

This is to certify that the Dissertation entitled **A Spiritual Quest for Self-Realisation: Psychoanalytic Study of *The Alchemist*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Parvathy G Nair under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

for Sr. Leena,

Sr. Leena P Kuriakose

Place: Thodupuzha

Date: 29 March 2023



EDUCATIONAL THEORIES IMPLEMENTED IN THE BOOK

MADOGIWA NO TOTTO - CHAN

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the award
of the Degree of Bachelor of Arts in
English Language and Literature

by

Ms. PRABITHA PRAKASH

Reg.No: 200021002439



Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

Prabitha Prakash
3/10/2023

Ms. Bindhu Joseph
Assistant Professor

Department of English
Newman College
Thodupuzha - 685585



CERTIFICATE

This is to certify that the Dissertation entitled **Educational Theories Implemented in the Book *Madogiwa no Totto-Chan*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Prabitha Prakash** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
Head, Dept. of English
Newman College, Thodupuzha

Ms. Bindhu Joseph



Place: Thodupuzha

Date: 29 March 2023

GANDHIAN PERSPECTIVE IN PB SHELLEY'S POETRY

'THE MASK OF ANARCHY' AND 'OZYMANIDAS'

A dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the degree of Bachelor of Arts

in English Language and Literature

By

REFANA MUBARAK

Reg. No. 200021002410



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26/5/23

Dr Ajomy Maria joseph

English

Assistant Professor

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Certificate

This is to certify that the dissertation entitled **Gandian Perspective in PB Shelley's Poetry 'The Mask of Anarchy' and 'Ozymandias'** submitted to MahatmaGandhiUniversity in partial fulfilment of the requirements for the award of the degree of Bachelor of Arts in English Language and literature is a record of original research work done by **Refana Mubarak** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

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Place: Thodupuzha

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Date: 01/05/2023



ROBERT FROST'S POETRY: A REGIONAL PERSPECTIVE

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

English Language and Literature

by

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CERTIFICATE

This is to certify that the Dissertation entitled **Robert Frost's Poetry: A Regional Perspective** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ms. Riya Raigin under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
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Place: Thodupuzha

Date: 29 March 2023



Sites of Memory and Shadows of History in Franz Kafka's *Letter to His Father*

Dissertation submitted to Mahatma Gandhi University , Kottayam

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This is to certify that the dissertation entitled **Sites of Memory and Shadows of History in Franz Kafka's *Letter to His Father*** submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Safna C. A under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar title.



Head of the Department

Dr. Jerome K. Jose

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Place: Thodupuzha

Date: 29 March 2023



**RURAL INDIA'S STRUGGLE WITH INDUSTRIALIZATION AND GENDER
INEQUALITY: A READING OF KAMALA MARKANDAYA'S
*NECTAR IN A SIEVE***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
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This is to certify that the Dissertation entitled **Rural India's Struggle with Industrialization and Gender Inequality: A Reading of Kamala Markandaya's *Nectar in a Sieve*** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Shabana Hussain under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Head of the Department

Dr. Jerome K. Jose
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Place: Thodupuzha

Date: 29 March 2023



**EXPLORING THE UNEXPLORED *RAVANAYANA*: AN INSPECTION
OF THE MYTHIC RESONANCE IN ANAND NEELAKANTAN'S
*ASURA: TALE OF THE VANQUISHED***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
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This is to certify that the Dissertation entitled **Exploring the Unexplored Ravanayana: An Inspection of the Mythic Resonance in Anand Neelakantan's Asura, Tale of the Vanquished** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ms. Siya Basheer under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome K Jose

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From Country is city: to East/west conflicts in the movie

GODS MUST BE CRAZY

Dissertation submitted to Mahatma Gandhi University, Kottayam

in partial fulfillment of the requirements for the

award of the degree of Bachelor of Arts in

English Language and Literature

By

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Head of the Department

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**AN AESTHETIC LENS ON THE VERSES OF WEST: A RASA STUDY ON
SELECTED ENGLISH LOVE POEMS**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
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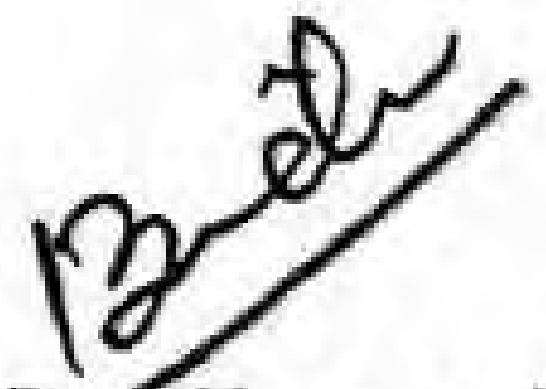


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This is to certify that the Dissertation entitled **An Aesthetic Lens on the Verses of West: A Rasa Study on Selected English Love Poems** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by Ms. Sreelakshmi S under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.


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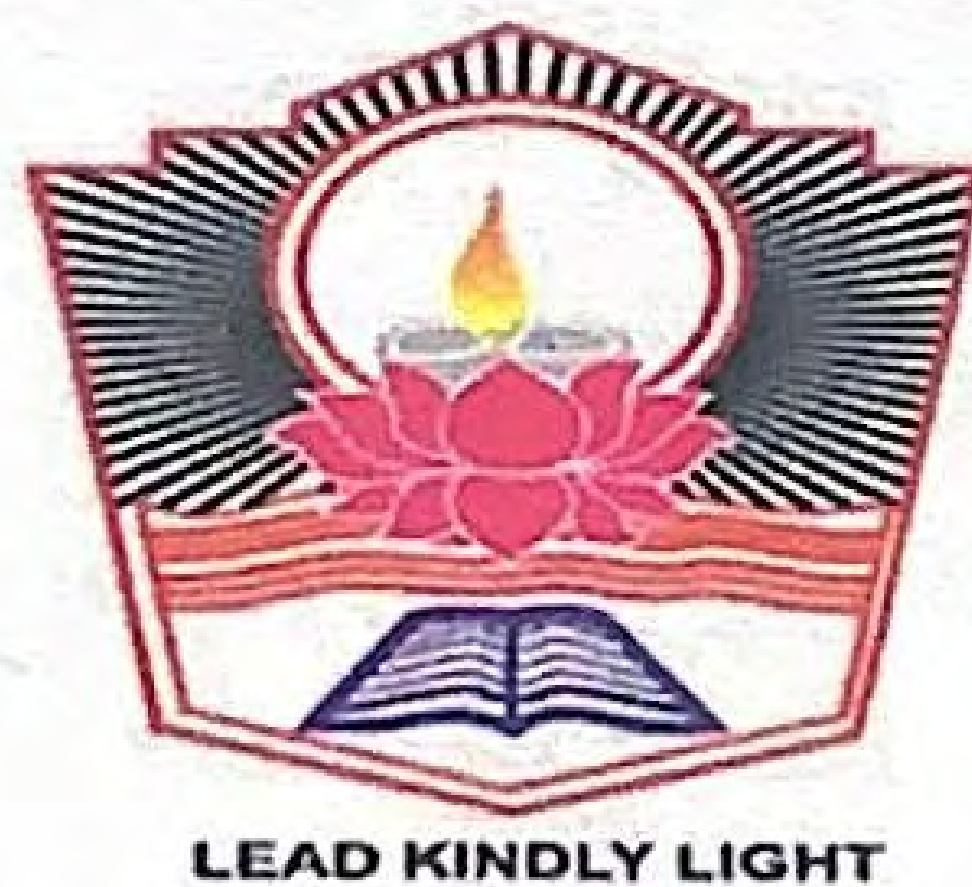
**MINSCAPES OF ANTICIPATION, AN ECOFEMINIST READING OF M.T.
VASUDEVAN NAIR'S *MIST***

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
English Language and Literature

by

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This is to certify that the dissertation entitled **Mindscales of Anticipation: An Ecofeminist reading of MT Vasudevan Nair's *Mist*** submitted to Mahatma Gandhi University in partial fulfilment for the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of original work done by Suvarna P S under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other simple titles.

Head of the Department
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Head, Dept. of English
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Dr. Teena Tomson

Date: 29 March 2023



The Racial Gender Matrix: Nella Larson's *Passing* in a Black Feminist Angle

Dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the Degree of Bachelor of Arts in

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Postgraduate and Research Department of English

Newman College, Thodupuzha

March 2023

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**THE IDOL AND THE IDEA OF SELF: LOCATING MATERIAL/ SPIRITUAL
SPACES IN SREE NARAYANA GURU'S PHILOSOPHY AND LACAN'S
MIRROR STAGE**

Dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the Degree of Bachelor of Arts in
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This is to certify that the Dissertation entitled **The Idol and the Idea of Self: Locating Material/ Spiritual Spaces in Sree Narayana Guru's Philosophy and Lacan's Mirror Stage** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Arts in English Language and Literature is a record of the original work done by **Ms. Vrindha S** under my supervision and guidance and that the Dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

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Place: Thodupuzha

Date: 29 March 2023



Unraveling Physical Emotions and Psychological Symptoms:

A Traumatic Reading of Toni Morrison's *Sula*

Dissertation submitted to

Mahatma Gandhi University, Kottayam

In Partial Fulfilment of the Requirement of the Award of the Degree of

Master of Arts in English Language and Literature

By

AMALU JOSEPH

(Reg no: 200011005131)

Under the Supervision and Guidance of

Naveen Thomas



Naveen Thomas

POST GRADUATE AND RESEARCH DEPARTMENT OF ENGLISH

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23 JUNE 2022

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This is to certify that dissertation entitled **Unraveling Physical Emotions and Psychological Symptoms: A Traumatic Reading of Toni Morrison's *Sula*** submitted by **Amalu Joseph**, for the award of the degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam, is a record of bonafide research work carried out by her under my guidance and supervision. This dissertation has reached the standard, fulfilling the requirements for the award of the degree of Master of Arts.

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Dr. Jerome K Jose

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Place: Thodupuzha

Date: 23 June 2022



Tracing the Unspoken Voices of the Subaltern in

Rohinton Mistry's *A Fine Balance*

Dissertation submitted to

Mahatma Gandhi University, Kottayam

In Partial Fulfilment of the Requirement of the Award of the Degree of

Master of Arts in English Language and Literature

By

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Naveen Thomas

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This is to certify that dissertation entitled *Tracing the Unspoken Voices of the Subaltern in Rohinton Mistry's A Fine Balance* submitted by **Amritha Sajeev**, for the award of the degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam, is a record of bonafide research work carried out by her under my guidance and supervision. This dissertation has reached the standard, fulfilling the requirements for the award of the degree of Master of Arts.

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Dr. Jerome K Jose

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Newman College, Thodupuzha



Place: Thodupuzha

Date: 23 June 2022

**Gendering Nature : A study of Eco Feminism in Chitra Banerjee Divakaruni's
"The Forest of Enchantments"**

A dissertation submitted to Mahatma Gandhi University
in partial fulfillment of the requirements for the award of the degree of
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Mrs. Bindu Joseph
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Place: Thodupuzha

Date: 23 June 2022

In-between the Identities: A Postcolonial Analysis of *Red Earth and Pouring Rain*

Dissertation submitted to

Mahatma Gandhi University, Kottayam

In Partial Fulfilment of the Requirement of the Award of the Degree of
Master of Arts in English Language and Literature

Anagha Raju

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This is to certify that the dissertation entitled, *In-between the Identities: A Postcolonial Analysis of Red Earth and Pouring Rain* Submitted by **Anagha Raju**, for the award of the Degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam, is a record of bonafide research work carried out by her under the supervision and guidance. This dissertation has reached the standard, fulfilling the requirements for the award of Degree of Master of Arts in English Language and Literature.

Dr. Jerome K Jose

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Ms. Bindu joseph

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Place: Thodupuzha

Date: 23 June 2022

**Beyond The Stereotypes: Examining Gender Performance in
Divakaruni's *The Last Queen***

A dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the degree of Master of Arts in English Language and Literature

By

Anakha. V. Palakuzhi

Reg. No. 200011005135



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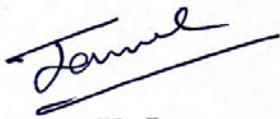
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Certificate

This is to certify that the dissertation entitled, **Beyond The Stereotypes: Examining Gender Performance in Divakaruni's *The Last Queen***, submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the degree of Master of Arts in English Language and Literature is a record of original research work done by **Anakha. V. Palakuzhi** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.



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Dr. Jerome. K. Jose

Head, Dept. of English

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Thodupuzha

Place: Thodupuzha

Date: 28/09/2022

**A Study of Ideological State Apparatus, Repressive State Apparatus and
Gender Ideologies in Megha Majumdar's *A Burning***

A dissertation submitted to Mahatma Gandhi University
in partial fulfillment of the requirements for the
award of the degree of Master of Arts
in English Language and Literature.

by

Beema Basheer

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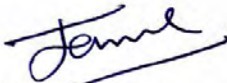
Postgraduate and Research Department of English

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28 September 2022

Certificate

This is to certify that the dissertation entitled, **A Study of Ideological State Apparatus, Repressive State Apparatus and Gender Ideologies in Megha Majumdar's A Burning** submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the degree of Master of Arts in English Language and Literature is a record of original research work done by **Beema Basheer** under my guidance and supervision. No part of this dissertation has previously been formed as the basis for the award of any Degree or Diploma or similar title of recognition.



Dr. Jerome K Jose

Head of the Department

Department of English

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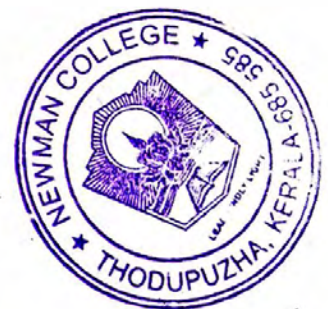
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Place: Thodupuzha

Date: 28/09/2022

Gender as Performance: Subversion of Gender Stereotypes in *The Hunger Games*

A dissertation submitted to Mahatma Gandhi University
in partial fulfillment of the requirements for the award of the degree of
Master of Arts in English Language and Literature.

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Dr. Jerome K Jose

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Place: Thodupuzha

Date: 23 June 2022

**Unmasking Ideology in Blyton: An Analysis of *The Sea of Adventure*
as a Colonial Adventure**

A dissertation submitted to Mahatma Gandhi University
in partial fulfillment of the requirements for the award of the degree
of Master of Arts in English Language and Literature.

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Dr. Jerome K Jose

Head of the Department

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Dr. Jerome K Jose

Head of the Department

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Place: Thodupuzha

Date: 23 June 2022

Unravelling Traumatic Stress Dissecting Fowles'

The Collector and Donoghue's Room

A dissertation submitted to Mahatma Gandhi University
in partial fulfillment of the requirements for the award of the degree of
Master of Arts in English Language and Literature.

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Department of English Department of English

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Place: Thodupuzha

Date: 23 June 22

**Chronicles of Cultural Transformation: A Reading of Camus' *The Plague* and
Covid 19**

A dissertation submitted to Mahatma Gandhi University
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Voicing the Voice of the Displaced: A Critical Reading of *The Girl From Aleppo*

by Nujeen Mustafa and Christina Lamb

A dissertation submitted to Mahatma Gandhi University in Partial
fulfillment of the requirements for the award of the Degree of Master of Arts in
English Language and Literature

Chinchumol Paradiyil Stephen

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This is to certify that the dissertation entitled **Voicing the Voice of the Displaced: A Critical Reading of *The Girl From Aleppo* by Nujeen Mustafa and Christina Lamb** submitted by **Chinchumol Paradiyil** Stephen for the award of degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam is an authentic record of research work done by her under my supervision and guidance. No part of this dissertation has previously been formed as the basis for the award of any Degree or Diploma or similar title of recognition.



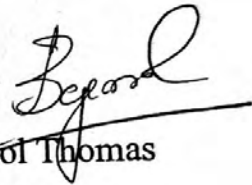
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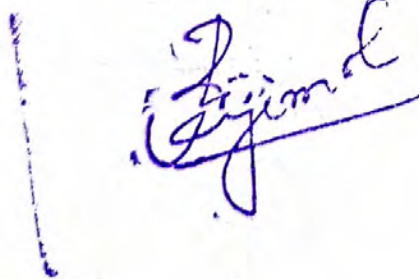
Dr. Bijin Thomas

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Place: Thodupuzha

Date: 23 June 2022

**Tasteless life at the border: Comparing and Contrasting
Gender Dysphoria in *As a Woman* and *A Gift of Goddess***

Lakshmi

A dissertation submitted to Mahatma Gandhi University in Partial fulfilment
of the requirements for the award of the degree of Master of
Arts in English Language and Literature

By

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This is to certify that the dissertation entitled **Tasteless Life at the Border: Comparing and Contrasting Gender Dysphoria in As A Woman and As A Gift of Goddess Lakshmi** submitted by **Christeena George** for the award of degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam is a record of research work carried out by her under my guidance and supervision. No part of this dissertation has previously been formed as the basis for the award of any Degree or Diploma or similar title of recognition.

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Place: Thodupuzha

Date: 28-09-2022

The End is the Beginning: A Critical Reading of

T.D.Ramakrishnan's *Francis Itty Cora* in

the Light of New Historicism

A dissertation submitted to Mahatma Gandhi University in Partial fulfilment

of the requirements for the award of the degree of Master of

Arts in English Language and Literature

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This is to certify that the dissertation entitled **The End is the Beginning: A Critical Reading of T.D.Ramakrishnan's *Francis Itty Cora* in the Light of New Historicism** submitted by **Christy Mariya** Thomas for the award of degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam is a record of research work carried out by her under my guidance and supervision. No part of this dissertation has previously been formed as the basis for the award of any Degree or Diploma or similar title of recognition.



Dr. Fr. Benson N Antony

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Newman College

Thodupuzha



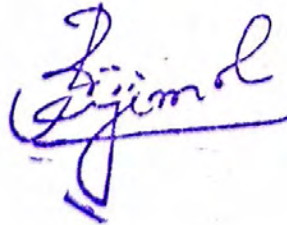
Dr. Jerome K Jose

Head of the Department

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Newman College

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Place: Thodupuzha

Date: 28-09-2022



Parable of Nature and Womanhood in Octavia Butler's *Parable of the Sower*

A dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements for the

award of the degree of Master of Arts

in English Language and Literature

By

Fathimamol S.

Reg. No. 200011005144



*Vahmed
Jameel*

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23 June 2022

Certificate

This is to certify that the dissertation entitled **Parable of Nature and Womanhood** in Octavia Butler's *Parable of the Sower* submitted by **Fathimamol S**, for the award of the degree of Masters of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam, is a record of bonafide research work carried out by her under my guidance and supervision. This dissertation has reached this standard, fulfilling the requirements for the award of the degree of Masters of Arts.

Dr. Jerome K. Jose

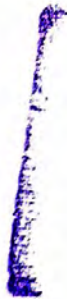


Head of the Department

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Mr. Jerin Jose

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Place: Thodupuzha

Date: 23 June 2022

The Cultural Impact of Reality Shows: A Reading of *Bigg Boss Malayalam*

Season Four

Dissertation submitted to

Mahatma Gandhi University, Kottayam

In Partial Fulfilment of the Requirement of the Award of the Degree of

Master of Arts in English Language and Literature

By

Haleema A S

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Under the Supervision and Guidance of

Miss Bincy Sebastian



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POST GRADUATE AND RESEARCH DEPARTMENT OF ENGLISH

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Certificate

This is to certify that dissertation titled "**The Cultural Impact of Reality Shows: A Reading of *Bigg Boss Malayalam Season Four***" submitted for the Degree of Master of Arts in English Language and Literature is an authentic record of research done by **Haleema A. S.** under the supervision and guidance in Partial fulfilment of the requirements for the Degree of Master of Arts in English Language and Literature of Mahatma Gandhi University, Kottayam.



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Countersigned by

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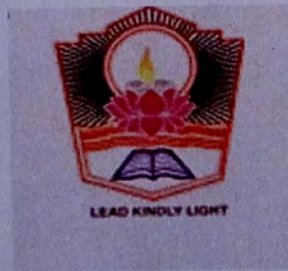
Imaging strife: class/caste transactions in

Aravind Adiga's *The White Tiger*

A dissertation submitted to Mahatma Gandhi University in Partial
fulfilment of the requirements for the award of the degree of Master of
Arts in English Language and Literature

Hasna Haneef

Reg. No. 200011005146



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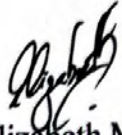
Postgraduate and Research Department of English

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September 2022

CERTIFICATE

This is to certify that the dissertation entitled **Imaging strife: class/caste conflict** in Arvind Adiga's *The White Tiger*, submitted by **Hasna Haneef** for the award of degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam is a record of research work carried out by him under my guidance and supervision. No part of this dissertation has previously been formed as the basis for the award of any Degree or Diploma or similar title of recognition.



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Dr. Jerome K Jose

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Place: Thodupuzha

Date: 28-9-2022



**A Proverb in Need is a Language Indeed: An Analysis of the Role of
Proverbs in English Language Teaching**

A dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the degree of Master of Arts
in English Language and Literature

by

Jinoshi James

Reg. No. 200011005147



*Vahmed
James*

Postgraduate and Research Department of English
Newman College, Thodupuzha
June 2022

Certificate

This is to certify that the dissertation entitled **A Proverb in Need is a Proverb Indeed: An Analysis of the Role of Proverbs in English Language Teaching** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the degree of Master of Arts in English Language and Literature is a record of original research work done by **Jinoshi James** under my supervision and guidance and that the dissertation has not been formed as the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.

Dr. Jerome Jose
Head, Dept. of English
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Dr. George Sebastian
Assistant Professor
Dept. of English
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Thodupuzha

Place: Thodupuzha
Date: 23-06-2022

Home as Self: Alienation and belonging in the Poems of

Agha Shahid Ali

A dissertation submitted to Mahatma Gandhi University

in partial fulfilment of the requirements

for the award of the degree of Master of Arts

in English Language and Literature

by

Krishnanunni B

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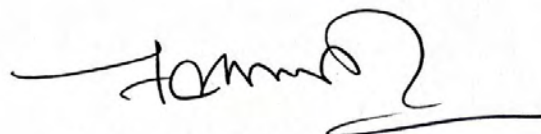
June 2022

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This is to certify that the dissertation entitled **Home as Self: Alienation and Belonging in the Poems of Agha Shahid Ali** submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the degree of Master of Arts in English Language and literature is a record of original research work done by **Krishnanunni B** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.



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Place: Thodupuzha

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Representation of Women in Select Detective Fiction: A Feminist Reading

Dissertation submitted to

Mahatma Gandhi University, Kottayam

In Partial Fulfilment of the Requirement of the Award of the Degree of

Master of Arts in English Language and Literature

By

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Certificate

This is to certify that dissertation titled "**Representation of Women in Select Detective Fiction: A Feminist Reading**" submitted for the Degree of Master of Arts in English Language and Literature is an authentic record of research done by **Meera Joseph** under the supervision and guidance in Partial fulfilment of the requirements for the Degree of Master of Arts in English Language and Literature of Mahatma Gandhi University, Kottayam.



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Head of the Department of English

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Place: Thodupuzha

Date: 23 June 2022



Space in the transfiguration of Elio: Spatial Discourses in

André Aciman's *Call Me By Your Name*

A dissertation submitted to Mahatma Gandhi University in Partial fulfilment
of the requirements for the award of the degree of Master of

Arts in English Language and Literature

By

Neol Graceson

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This is to certify that the dissertation **Space in the transfiguration of Elio: Spatial Discourses in André Aciman's *Call Me By Your Name*** submitted by **Neol Graceson** for the award of degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam is a record of research work carried out by her under my guidance and supervision. No part of this dissertation has previously been formed as the basis for the award of any Degree or Diploma or similar title of recognition.



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Gender Subalternity and the Politics of Identity Crisis in *The Pearl That Broke Its Shell*

A dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the award of the degree of
Master of Arts in English Language and Literature.

Renit Abraham

Reg.No.200011005151



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This is to certify that the dissertation entitled, "Gender Subalternity and the Politics of Identity Crisis in *The Pearl That Broke Its Shell*" submitted by Renit Abraham, for the award of the degree of Master of Arts in English Language and Literature to Mahatma Gandhi University, Kottayam, is a record of research work carried out by her under my guidance and supervision. This dissertation has reached the standard, fulfilling the requirements for the award of the degree of Master of Arts.



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Mrs. Ajomy Maria Joseph

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Place: Thodupuzha

Date: 28 September 2022



Heterotopias in Tamsula Ao's *These Hills Called Home: Stories from a War Zone*

A dissertation submitted to Mahatma Gandhi University
in partial fulfilment of the requirements for the
award of the degree of Master of Arts

By

Sajana Bose

Reg. No. 200011005152



Ushasree
Jenve


Postgraduate and Research Department of English

Newman College, Thodupuzha

June 2022

Certificate

This is to certify that the dissertation entitled "Heterotopias in Tamsula Ao's *These Hills Called Home: Stories from a War Zone*" submitted to Mahatma Gandhi University in partial fulfilment of the requirements for the award of the degree of Master of Arts in English Language and literature is a record of original research work done by **Sajana Bose** under my supervision and guidance and that the dissertation has not been formed before the basis for the award of any Degree, Diploma, Fellowship or any other similar titles.



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Mrs. Ajomy Maria Joseph

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Place: Thodupuzha

Date: 23/06/2022



Demythifying Surpanaka: Reading *Ramayana* in Feminist Perspective

A dissertation submitted to Mahatma Gandhi University
in partial fulfillment of the requirements for the award of the degree of
Master of Arts in English Language and Literature.

Vishnuja

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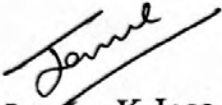
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Mrs. Princy Jacob

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Place: Thodupuzha

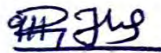
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This is to certify that the dissertation titled 'Rewinding the Culture: A Postcolonial reading of the movies *Avatar*, *Black Panther* and *The Last Samurai*' submitted by **Abel Sunny** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.

Ms. Romy Thomas



Guide and Head of the Department

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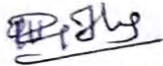
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Certificate

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Date: 3 April 2023



Certificate

This is to certify that the dissertation titled *Over The Top (OTT) At The Top In India*, submitted by **Akhila Santhosh** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Certificate

This is to certify that the dissertation titled, An analysis of Irony in R K Narayan's *The Guide*, submitted by Alan Mathew for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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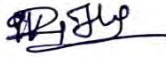
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Certificate

This is to certify that the dissertation titled A Critical Analysis on the Evolution of Cyberpunk as a Subgenre and the Representation of AI in Science Fiction Literature, submitted by **Albin Babu** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Place: Thodupuzha

Date: 20 April 2023



Certificate

This is to certify that the dissertation titled Unrealistic Beauty Standards in Mass Media: Analyzing the Impact on Body Image and Self-Esteem, submitted by Alex Sunny for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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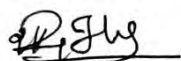
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This is to certify that the dissertation titled "Analyzing the representation of subaltern voices in the movie *celluloid*", submitted by **Alfiya Subair** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



Ms. Romy Thomas

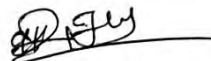
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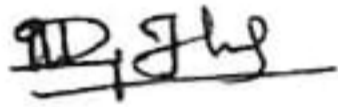
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This is to certify that the dissertation titled, *Into The Wild: A Comparative Study*, submitted by **Ananthu P Pramod** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Date: 23 April 2023



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Certificate

This is to certify that the dissertation titled An Eco critical Analysis of 'Dalit Representation in Select Malayalam Movies', submitted by Anna Samuel for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Place: Thodupuzha

Date: 3 April 2023



Certificate

This is to certify that the dissertation titled, Ecocriticism and Environmentalism in the novel *The Overstory* submitted by **Aparna Joshy** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Place: Thodupuzha

Date: 20 April 2023



Certificate

This is to certify that the dissertation titled 'An Optical Illusion of Human Minds:- A Psychoanalytical Theory Analysis of two malayalam movies', submitted by **Aparna Shaji** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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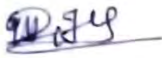
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Date: 20th April 2023



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This is to certify that the dissertation titled, 'Spectrum of Life: A Deconstructive Reading on Transgender Identities and Traditional Norms' submitted by **Ardhra Mary Sebastine** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Date: 3 April 2023



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Certificate

This is to certify that the dissertation titled *Life, Choice, and Identity in Kumari: An Existential and Phallocentric Analysis* submitted by **Ashima P.S** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.

Ms. Romy Thomas



Head of the Department and Guide

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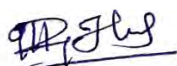
Place: Thodupuzha

Date: 18 April 2023



Certificate

This is to certify that the dissertation titled Stereotypical Representation of Women and Transformation of Women in Malayalam Cinema- A Thematic Study, submitted by **Asiya Sakkir** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Ms. Fathima Begum

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Place: Thodupuzha

Date: 12 April 2023



Certificate

This is to certify that the dissertation titled Traces of Magic Realism in Regional Cinema in the context of Select Malayalam Movies, submitted by **Aswathy S** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Thodupuzha

Place: Thodupuzha

Date: 3 April 2023



Ms. Sherin Varghese

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Certificate

This is to certify that the dissertation titled *Changing Hero Concepts in Malayalam Films*, submitted by **Athul Chinthuraj** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



Mrs. Romy Thomas

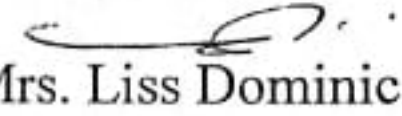
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Mrs. Liss Dominic

Dept. of English Literature and
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Newman College,

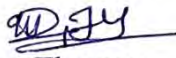
Thodupuzha

Place: Thodupuzha

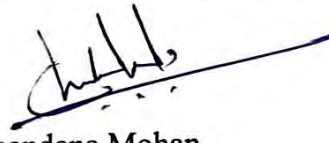
Date: 24 April 2023

Certificate

This is to certify that the dissertation titled 'Breaking the Shackles of Patriarchy: A comparative study of the movies *The Great Indian Kitchen* and *Ramante Edenthottam*', submitted by **Diyona Shibu** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.


Ms. Romy Thomas

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Ms. Chandana Mohan

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Place: Thodupuzha

Date: 18 April 2023



Certificate

This is to certify that the dissertation titled *Sherni and Mother: Empowering Women, Protecting Nature*, submitted by **Ganga Remesh** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.

Ms. Romy Thomas



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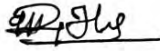
Place: Thodupuzha

Date: 20 April 2023



Certificate

This is to certify that the dissertation titled “Deconstruction of Motherhood in *Peranbu Movie*”, submitted by **Irfana E S** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



Ms. Romy Thomas

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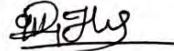
Communication Studies

Newman College,

Thodupuzha

Place: Thodupuzha

Date: 24 April 2023



Ms. Romy Thomas

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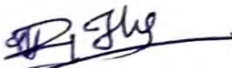
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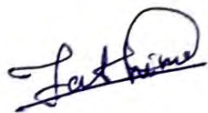


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Ms. Fathima Begum

Dept. of English Literature and
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Newman College,
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Place: Thodupuzha

Date: 24 April 2023



Certificate

This is to certify that the dissertation titled **A** Postmodern Post-Colonial analyses of the book *East wind West wind* in the formation of hybrid identity by Pearl .s buck, submitted by **Lakshmi Dipukumar** for the award of the degree of bachelor of arts in English literature and communication studies to Mahatma Gandhi university, is a record of bonafide research work carried out by her under my guidance and supervision. it is a piece of research and work with a fresh approach towards the interpretation of facts and theories. the dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



Ms. Romy Thomas

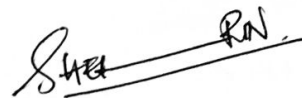
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Ms. Sherin Varghese

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Place: Thodupuzha

Date: 22 April 2023



Certificate

This is to certify that the dissertation titled *Saras and Rockstar: Representation of Prolife and Prochoice Comparison*, submitted by **Nimisha V S** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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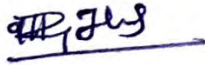
Place: Thodupuzha

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Certificate

This is to certify that the dissertation titled 'Unleashing the Magic: A Closer Look at VFX and CGI in Contemporary Movies', submitted by **Shamil Jabbar** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by him under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate himself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Place: Thodupuzha

Date: 3 April 2023



Certificate

This is to certify that the dissertation titled 'Laughing in the Dark: Exploring the Use of Dark Humour in Recent Malayalm Films', submitted by **Souparnika B** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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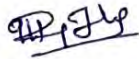
Place: Thodupuzha

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Certificate

This is to certify that the dissertation titled, 'Shattering the stereotypes: A study on Lijo Jose Pellissery's movies *Churuli* and *Ee.Ma.Yau*' submitted by **Vinny Wilson** for the award of the Degree of Bachelor of Arts in English Literature and Communication Studies to Mahatma Gandhi University, is a record of bonafide research work carried out by her under my guidance and supervision. It is a piece of research and work with a fresh approach towards the interpretation of facts and theories. The dissertation embodies the work of the candidate herself. This dissertation has reached the standard fulfilling the requirements of the award of the degree.



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Thodupuzha

Place: Thodupuzha

Date: 3 April 2023



**EDUCATION OF SCHEDULED TRIBES OF
KUTTAMPUZHA DURING THE CORONA PANDEMIC
DISSERTATION**

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

ABEL JOSEPH

(Reg. No.200021018144)

Final Semester B A

Under the guidance of
Dr. Preethi Chandran



**DEPARTMENT OF HISTORY
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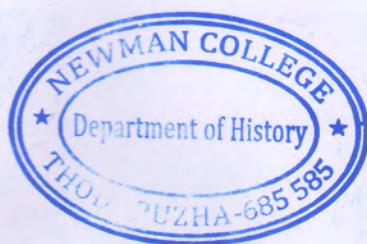
MARCH 2023

Signi
Valued on 25/12/23

CERTIFICATE

*This is to certify that this dissertation entitled **Education of Scheduled Tribes of Kuttampuzha during the Corona Pandemic**, submitted for the award of the **Bachelor of Arts** in History is an authentic record of research done by Abel Joseph under my supervision and guidance. No part of the dissertation has been submitted for any other degree, diploma or similar title before.*

Thodupuzha
22-03-2023
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Dr. Preethi Chandran
Department of

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DR. BIJIMOL THOMAS
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DEPARTMENT
OF
**LIFE AND CULTURE OF THE TRIBALS OF IDUKKI
DISTRICT WITH SPECIAL REFERENCE TO
ULLADAS AND MANNAN TRIBES**

A Project work in partial fulfilment of
the requirement for

**The award of Bachelor of Arts
In History**

Supervisor

Dr. Krishnakumar MV

Department of History

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Investigator

Abhil Shinil

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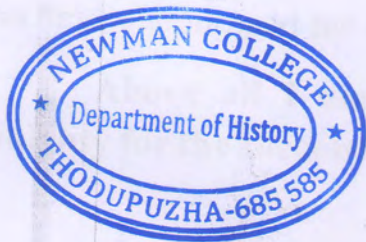
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*Abhil Shinil
28/11/23*

CERTIFICATE

This is to certify that the project titled “ **LIFE AND CULTURE OF THE TRIBALS OF IDUKKI DISTRICT WITH SPECIAL REFERENCE TO ULLADAS AND MANNAN TRIBES** ” prepared by **ABHIL SHINIL** is a record of bonafide study supervised by me for the requirements of his Bachelor of Arts in History during the period 2020-2023.



A handwritten signature in blue ink, appearing to be "Krishnakumar MV".

Dr. Krishnakumar MV

Department of History

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Thodupuzha

A handwritten signature in purple ink, appearing to be "Bijimol Thomas".

DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
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THODUPUZHA

ഇടുക്കിയിലെ മന്നാൻ ഗോത്രം:
സാമൂഹിക സാംസ്കാരിക ചരിത്രം

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
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Submitted by

Abiya Wordson

(Reg. No.200021018145)

Final Semester B A

Under the guidance of
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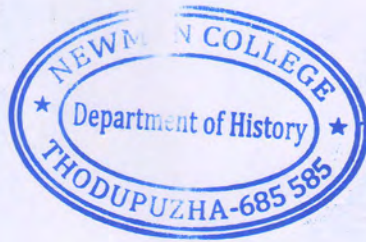
MARCH 2023

Checked & valued on 25/4/23

DECLARATION
CERTIFICATE

*This is to certify that this dissertation entitled ഇടുകിയിലെ മന്നാൻ ശോഭനം: സാമൂഹിക സാംസ്കാരിക ചരിത്രം submitted for the award of the Bachelor of Arts in History is an authentic record of research done by **Abiya Wordson** under my supervision and guidance. No part of the dissertation has been submitted for any other degree, diploma or similar title before.*

Thodupuzha
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ഇടുക്കിയിലെ മന്നാൻ ഗോത്രം:
സാമൂഹിക സാംസ്കാരിക ചരിത്രം

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
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MARCH 2023

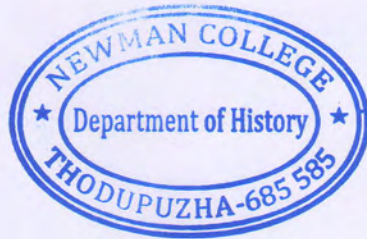
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ENVIRONMENTAL HISTORY OF THEKKADY

A Project work in partial fulfilment of the requirement for

The award of Bachelor of Arts in History

ADITHYAN V BIJU

Reg. No (200021018095)

Department of History



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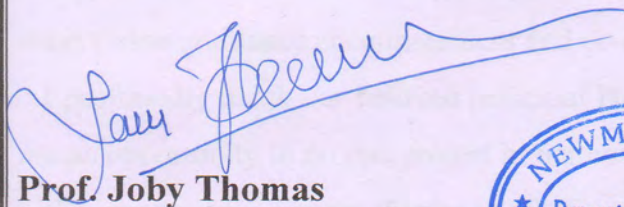
Mahatma Gandhi University

2022-2023

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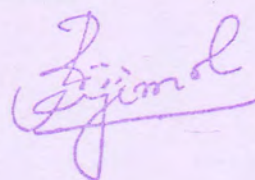
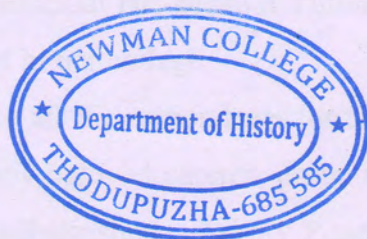


Prof. Joby Thomas

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**DR. BIJIMOL THOMAS
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IDUKKI TOURISM-NATURES HILLY HEAVEN



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ALEENA BABY

200021018098

A Project work in partial fulfilment of the requirement for the
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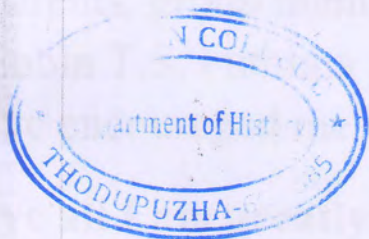
Department of History Newman College
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July
25/4/23

ACKNOWLEDGEMENT

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This is to certify that the project titled “**IDUKKI
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supervised by me for the requirements of his Bachelor of Arts
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Prof. Joby Thomas

Dr. Bijimol Thomas

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ENVIRONMENTAL HISTORY OF IDUKKI



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2020-2023

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Handwritten signature

Handwritten date: 25/12/23

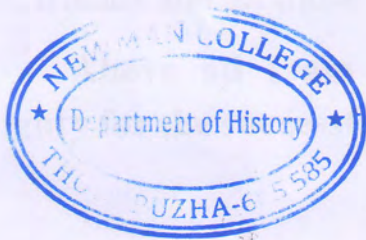
ACKNOWLEDGEMENT

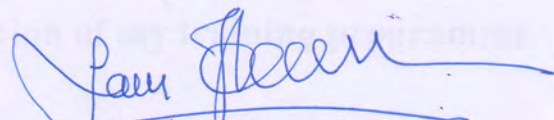
The successful completion of this dissertation owes to the inspiration and moral support that I received from various sources. I avail this opportunity to express my sincere gratitude to all those who helped me directly or indirectly in the completion of the work.

CERTIFICATE

I hereby certify that the project titled “ENVIRONMENTAL HISTORY OF IDUKKI” prepared by **ALEENA JOSEPH**

This is to certify that the project titled “**ENVIRONMENTAL HISTORY OF IDUKKI**” prepared by **ALEENA JOSEPH** is a record of bonafide study supervised by me for the requirements of his Bachelor of Arts in History during the period 2020-2023.

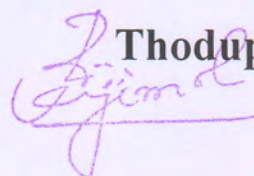



Prof. Joby Thomas

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THODUPUZHA



**EDUCATION OF SCHEDULED TRIBES OF
KUTTAMPUZHA DURING THE CORONA PANDEMIC
DISSERTATION**

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

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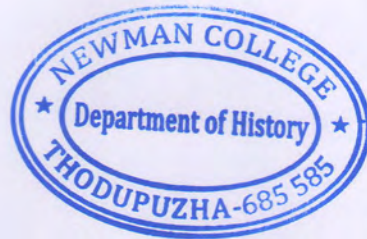
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[Signature]

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THODUPUZHA

**“ SOCIAL TRANSFORMATION AND DEVELOPMENT
OF MALA ARAYANS IN HISTORICAL
PERSPECTIVE”**

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
Requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

AKASH SAJI

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Under the Guidance and Supervision of

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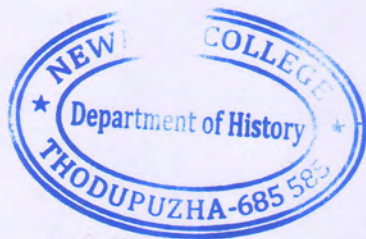
Chitra
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THODUPUZHA

22-03-2023



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Department of History

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DR. BIJIMOL THOMAS
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DEPARTEMENT

OF

**LIFE AND CULTURE OF THE TRIBALS OF IDUKKI
DISTRICT WITH SPECIAL REFERENCE TO
ULLADAS AND MANNAN TRIBES**

A Project work in partial fulfilment of
the requirement for

**The award of Bachelor of Arts
In History**

Supervisor

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Department of History

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Investigator

Aleena Shaji

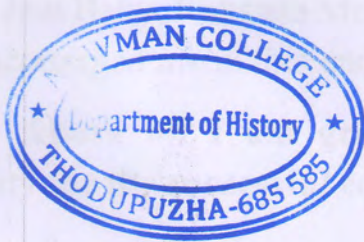
Department of History

Newman College

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CERTIFICATE

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Dr. Krishnakumar MV

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THODUPUZHA



ഇടുക്കിയിലെ മന്നാൻ ഗോത്രം:
സാമൂഹിക സാംസ്കാരിക ചരിത്രം

CERTIFICATE
DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

Aleena Sunny

(Reg. No.200021018101)

Final Semester B A

Under the guidance of
Dr. Preethi Chandran



DEPARTMENT OF HISTORY
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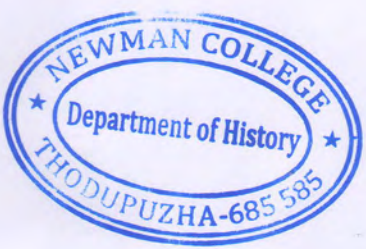
MARCH 2023

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Valued on 25/4/23
Sunny

DECLARATION
CERTIFICATE

This is to certify that this dissertation entitled ഇടുകുയിലൈ മന്നാൻ ശോത്രം: സാമൂഹിക സാംസ്കാരിക ചരിത്രം submitted for the award of the Bachelor of Arts in History is an authentic record of research done by Aleena Sunny under my supervision and guidance. No part of the dissertation has been submitted for any other degree, diploma or similar title before.

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ENVIRONMENTAL HISTORY OF THEKKADY

A Project work in partial fulfilment of the requirement for

The award of Bachelor of Arts in History

ANAGHA ROBIN

Reg. No (200021018102)

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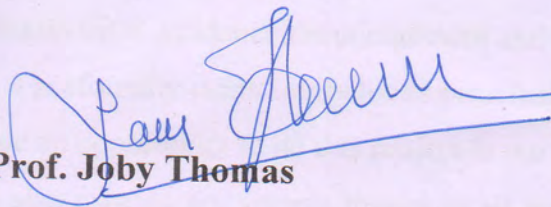
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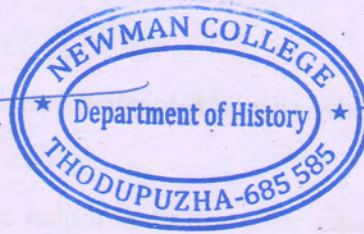
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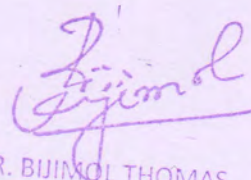
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**EDUCATION OF SCHEDULED TRIBES OF
KUTTAMPUZHA DURING THE CORONA PANDEMIC**
DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

ANANDHU ANIL

(Reg. No.200021018103)

Final Semester B A

Under the guidance of
Dr. Preethi Chandran



DEPARTMENT OF HISTORY
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MARCH 2023

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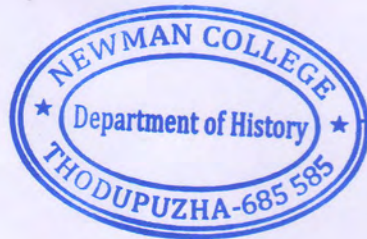
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**“SOCIAL TRANSFORMATION AND DEVELOPMENT
OF MALA ARAYANS IN HISTORICAL
PERSPECTIVE”**

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
Requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

ANANDHU VINAYAN

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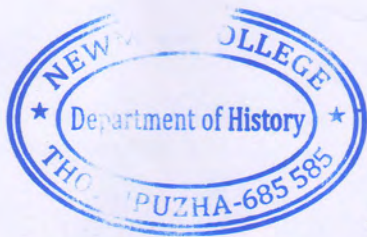
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IDUKKI TOURISM-NATURES HILLY HEAVEN



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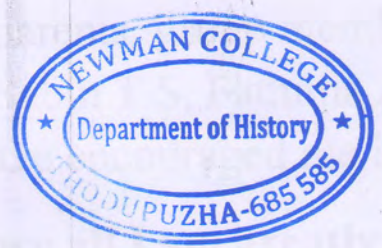
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ENVIRONMENTAL HISTORY OF IDUKKI



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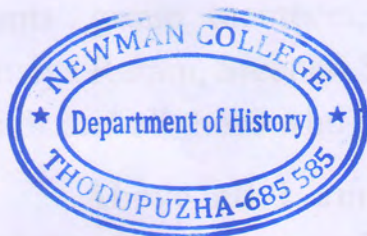
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COMPARATIVE STUDY OF THE THREE MAJOR REPORTS
ON WESTERN GHATS

**COMPARATIVE STUDY OF THE THREE MAJOR REPORTS
ON WESTERN GHATS**

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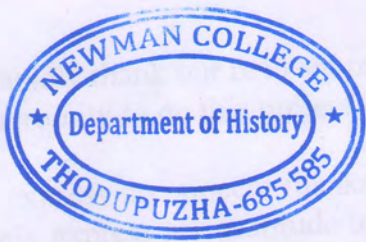
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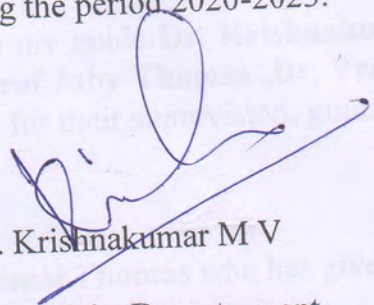
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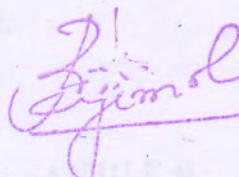
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DEPARTEMENT
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**LIFE AND CULTURE OF THE TRIBALS OF IDUKKI
DISTRICT WITH SPECIAL REFERENCE TO
ULLADAS AND MANNAN TRIBES**

A Project work in partial fulfilment of
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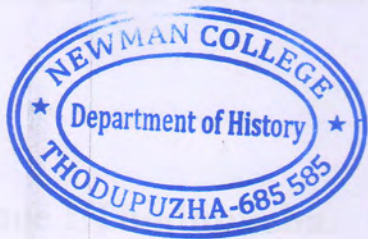
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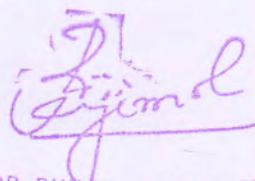

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HISTORY OF IDUKKI DISTRICT AND THE POLITICAL ECOLOGY OF MIGRATION



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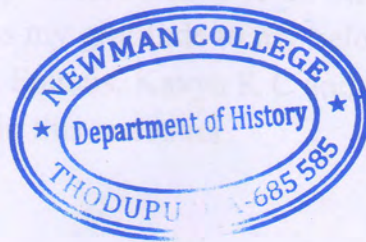
I would like to thank our beloved principal Dr. Bijimol Thomas who gave me an opportunity to do this project in our college.

I also express my sincere thanks to all the respondents for their cooperation. I would like to express my sincere thanks to my loved parents Shaji, Anupama and my friends for their supervision and encouragement.

Above all I am greatly thankful to the grace of God for the successful completion of my training programme.

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IDUKKI TOURISM-NATURES HILLY HEAVEN



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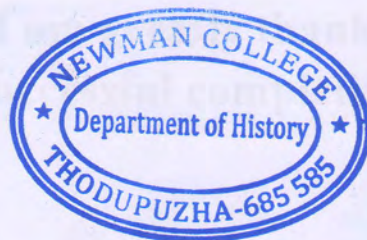
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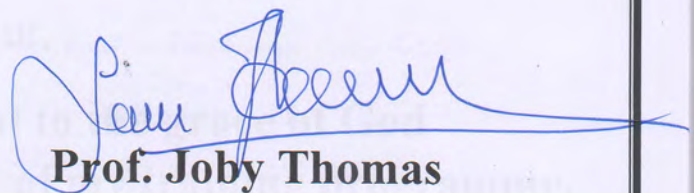
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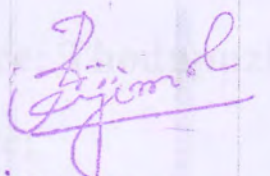



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HISTORY OF IDUKKI DISTRICT AND THE POLITICAL ECOLOGY OF MIGRATION



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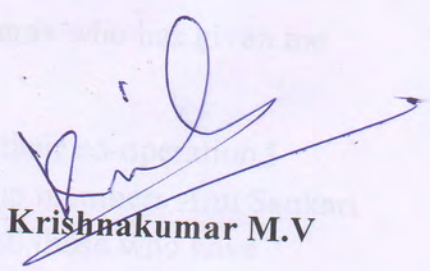
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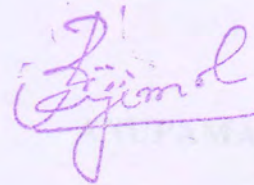
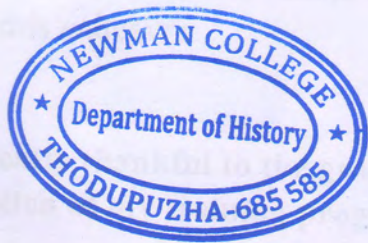
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HISTORY OF IDUKKI DISTRICT AND THE POLITICAL ECOLOGY OF MIGRATION



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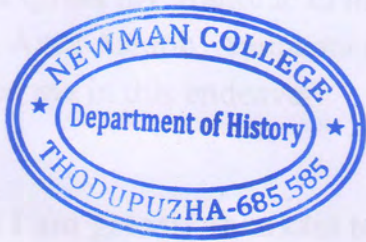
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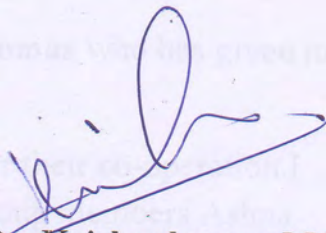
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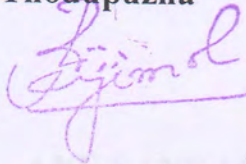



Dr. Krishnakumar M.V

**Head of the Department
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THODUPUZHA**



Place: THODUPUZHA

Date:

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സാമൂഹിക സാംസ്കാരിക ചരിത്രം

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Submitted by

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Under the guidance of
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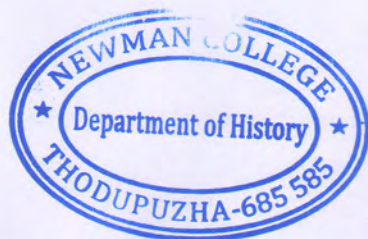
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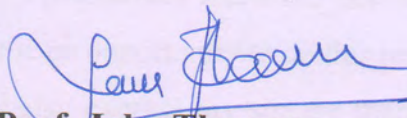
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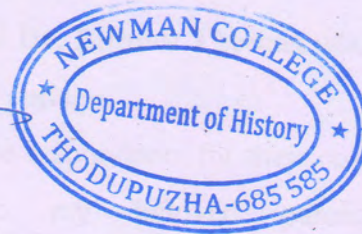
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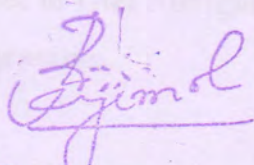


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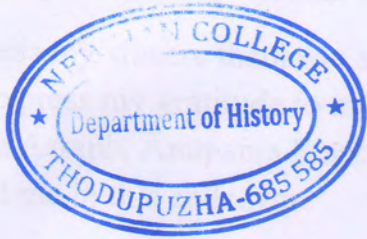
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I profoundly thank our beloved principal Dr. Bijimol Thomas who has given me an opportunity to do this project in our college.

I also express my sincere thanks to all the respondents for their valuable responses. I also thank my beloved parents for their constant support and encouragement.

Above all I am greatly thankful to the grace of God for the successful completion of my training programme.



A handwritten signature in blue ink, appearing to read "Dr. Krishnakumar M.V."

Dr. Krishnakumar M.V

Head of the Department
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A handwritten signature in purple ink, appearing to read "Dr. Bijimol Thomas".
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THODUPUZHA

**EDUCATION OF SCHEDULED TRIBES OF
KUTTAMPUZHA DURING THE CORONA PANDEMIC
DISSERTATION**

Submitted to Mahatma Gandhi University in partial fulfilment of the
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Bachelor of Arts in History

Submitted by

ASWIN KRISHNA M.

(Reg. No. 200021018114)

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Under the guidance of
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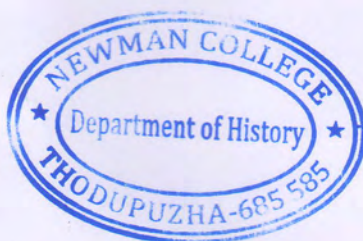
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ENVIRONMENTAL HISTORY OF IDUKKI



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AUGUSTINE MATHEW

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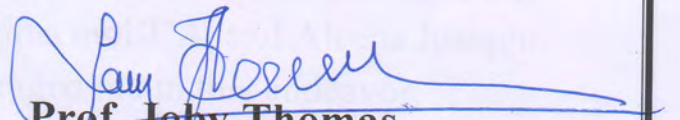
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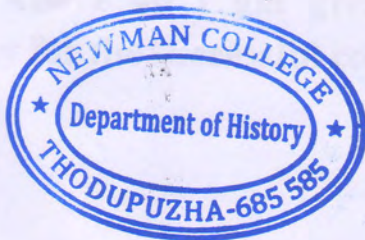
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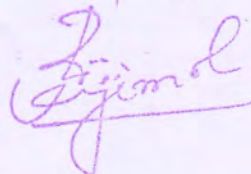

Prof. Joby Thomas

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NEWMAN COLLEGE
THODUPUZHA

**“ SOCIAL TRANSFORMATION AND DEVELOPMENT
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PERSPECTIVE”**

DISSERTATION

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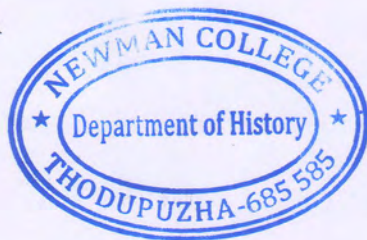
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OF
**LIFE AND CULTURE OF THE TRIBALS OF IDUKKI
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ULLADAS AND MANNAN TRIBES**

A Project work in partial fulfilment of
the requirement for

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**The award of Bachelor of Arts
In History**

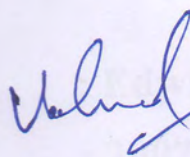
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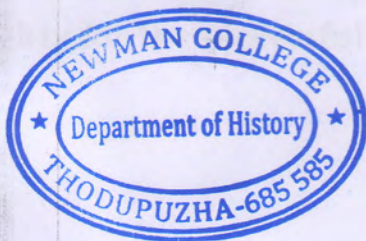
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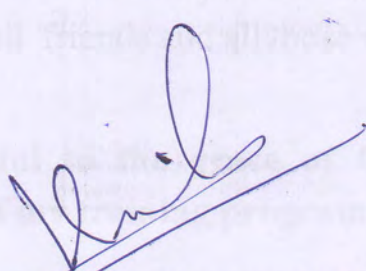
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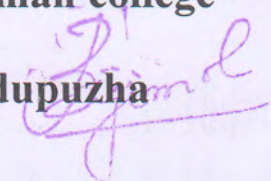



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IDUKKI TOURISM-NATURES HILLY HEAVEN



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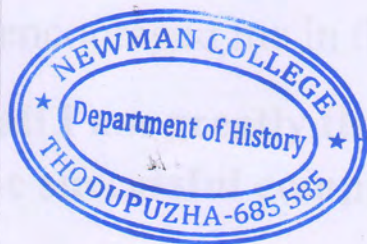
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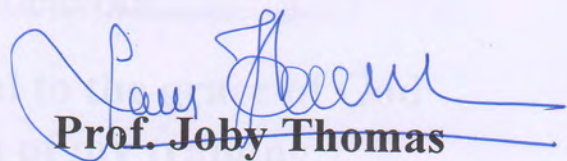
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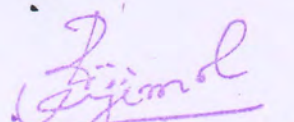

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ENVIRONMENTAL HISTORY OF IDUKKI



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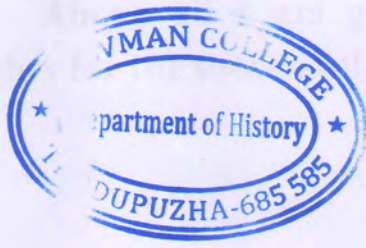
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ACKNOWLEDGEMENT

The successful completion of this dissertation would be the impossible and I am deeply grateful that I received from various sources. I want this opportunity to express my sincere gratitude to all those who helped me throughout the process. I am especially indebted to my guide, Prof. Joby Thomas, Dr. Krishnakumar M V (Head of the department of History, Newman College, Thodupuzha) for his constant supervision and encouragement.

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A Project work in partial fulfilment of
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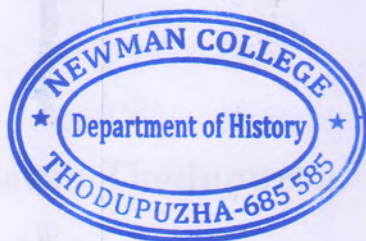
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The successful completion of this dissertation owes to the help given and constant support that I received from various sources. I avail this opportunity to express my sincere gratitude to all those who helped me directly or indirectly in the completion of the work.

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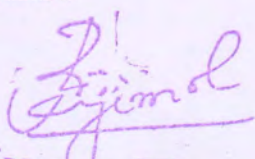

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COMPARATIVE STUDY OF THE THREE MAJOR REPORTS
ON WESTERN GHATS

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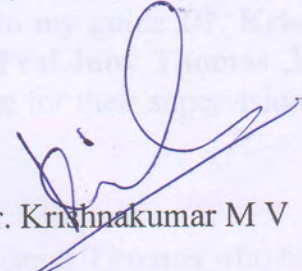
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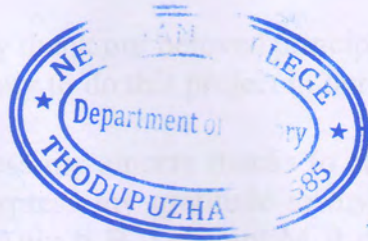
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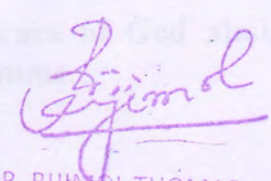
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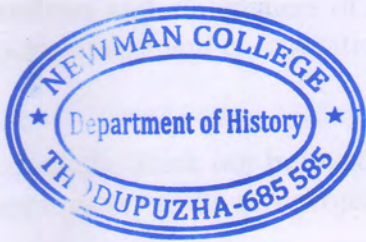
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HISTORY OF IDUKKI DISTRICT AND THE POLITICAL ECOLOGY OF MIGRATION



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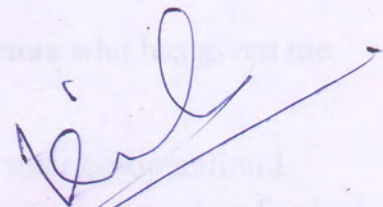
I profoundly thank our beloved principal Dr. Bijimol Thomas who gave me an opportunity to do this project in our college.

I also express my sincere thanks to all the respondents for their timely responses. I also express my gratitude to my beloved parents Shri. Anto Joseph and Smt. Anitha for their constant support and encouragement throughout the project.

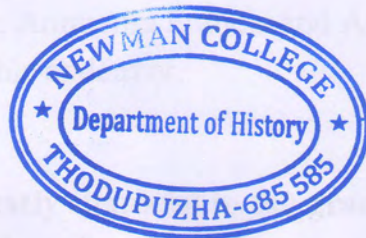
God bless all I have given and I am grateful to Him for the successful completion of my learning programme.

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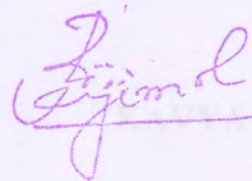


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**EDUCATION OF SCHEDULED TRIBES OF
KUTTAMPUZHA DURING THE CORONA PANDEMIC
DISSERTATION**

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

KRISHNENDU ABY

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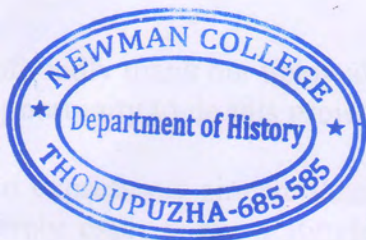
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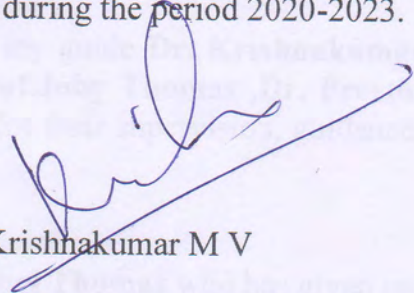
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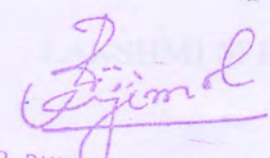



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ഇടുക്കിയിലെ മന്നാൻ ഗോത്രം:
സാമൂഹിക സാംസ്കാരിക ചരിത്രം

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
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Bachelor of Arts in History

Submitted by

Muhammad Sadam

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Under the guidance of
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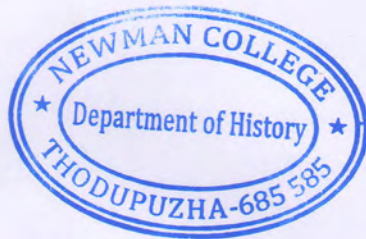
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**“SOCIAL TRANSFORMATION AND DEVELOPMENT
OF MALA ARAYANS IN HISTORICAL
PERSPECTIVE”**

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
Requirements for the award of Degree of
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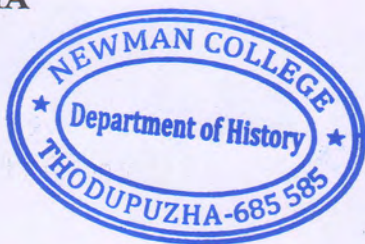
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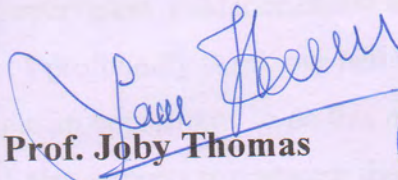
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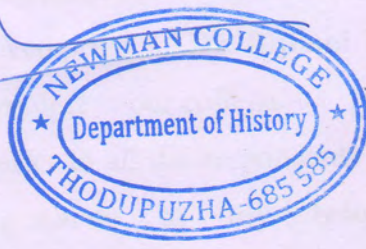
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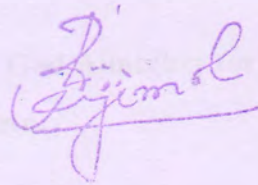

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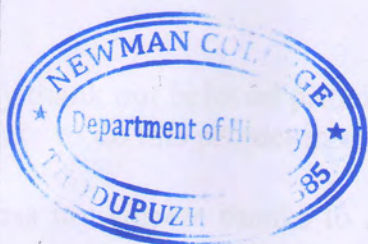
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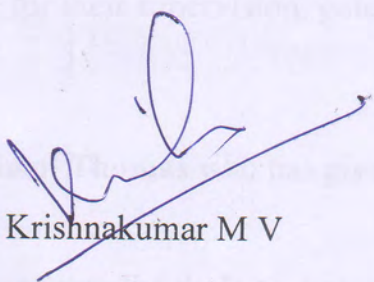
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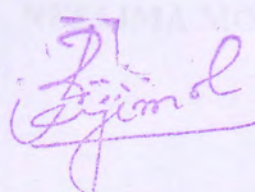



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DISSERTATION**

Submitted to Mahatma Gandhi University in partial fulfilment of the
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Bachelor of Arts in History

Submitted by

NEENU BINOY

(Reg. No.200021018128)

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Under the guidance of
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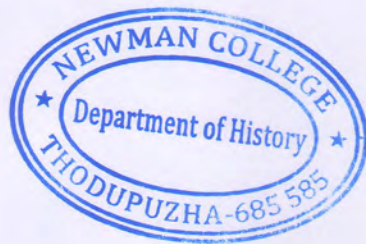
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**“SOCIAL TRANSFORMATION AND DEVELOPMENT
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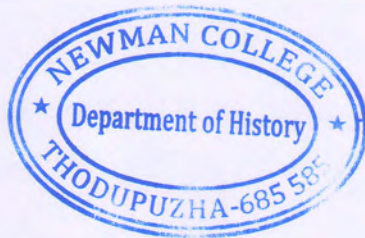
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This is to certify that this dissertation entitled “ **SOCIAL TRANSFORMATION AND DEVELOPMENT OF MALA ARAYANS IN HISTORICAL PERSPECTIVE** ” submitted for the award of the Bachelor of Arts in History is an authentic record of research done by **Neethu C.S** under my supervision and guidance. No part of the dissertation has been submitted for any other degree, diploma or similar title before.

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IDUKKI TOURISM-NATURES HILLY HEAVEN



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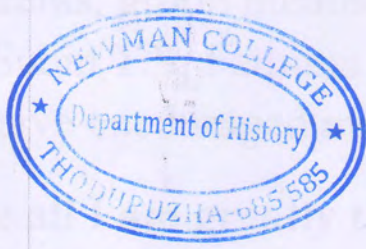
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ENVIRONMENTAL HISTORY OF IDUKKI



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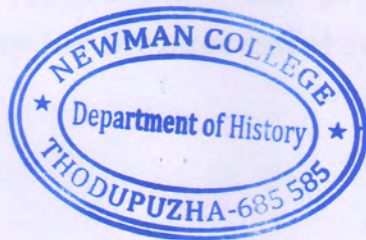
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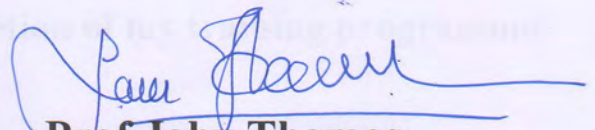
The successful completion of this dissertation owes to the motivation and constant support that I received from various sources. I would like to express my sincere gratitude to all those who helped me directly or indirectly for the completion of this work.

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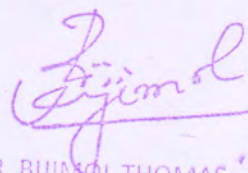

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A Project work in partial fulfilment of
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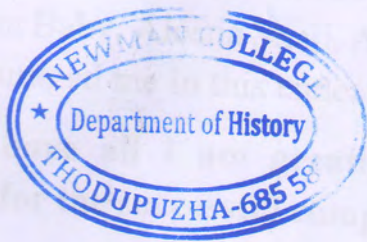
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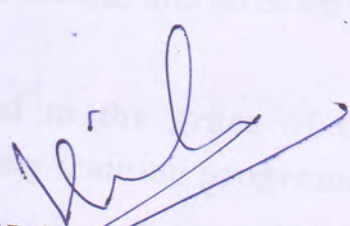
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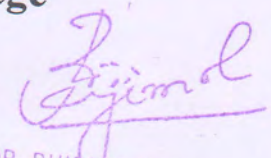

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IDUKKI TOURISM-NATURES HILLY HEAVEN



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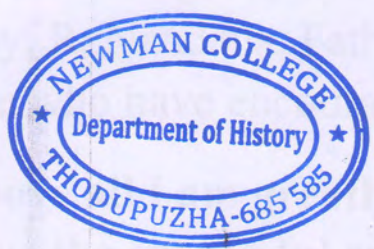
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DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
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Submitted by

Samual Abraham

(Reg. No.200021018133)

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Under the guidance of
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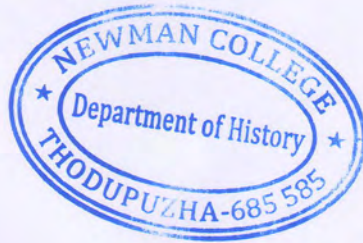
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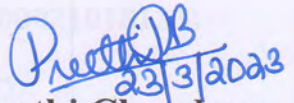
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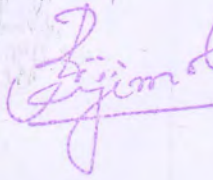
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COMPARATIVE STUDY OF THE THREE MAJOR REPORTS
ON WESTERN GHATS

**COMPARATIVE STUDY OF THE THREE MAJOR REPORTS
ON WESTERN GHATS**

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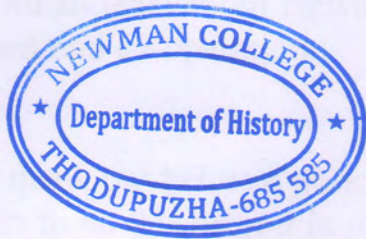
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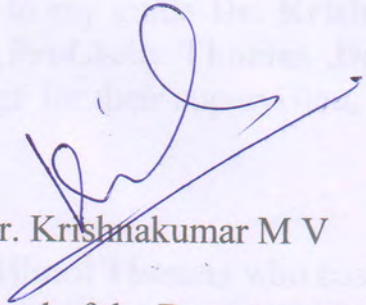
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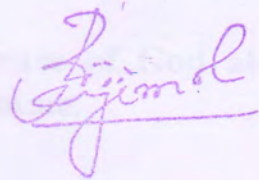
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ENVIRONMENTAL HISTORY OF THEKKADY

A Project work in partial fulfilment of the requirement for

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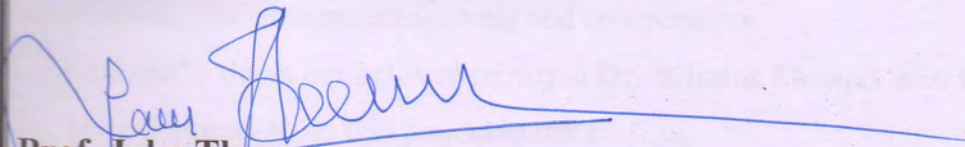
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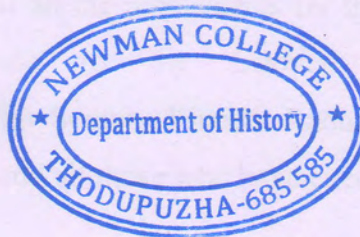
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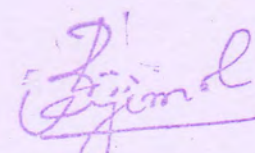

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**“SOCIAL TRANSFORMATION AND DEVELOPMENT
OF MALA ARAYANS IN HISTORICAL
PERSPECTIVE”**

DISSERTATION

Submitted to Mahatma Gandhi University in partial fulfilment of the
Requirements for the award of Degree of
Bachelor of Arts in History

Submitted by

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IDUKKI TOURISM-NATURES HILLY HEAVEN



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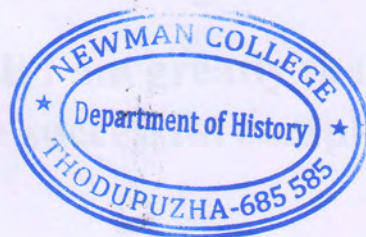
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ENVIRONMENTAL HISTORY OF IDUKKI



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SREEHARI SUNIL

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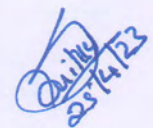
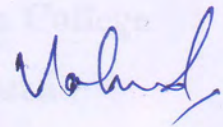
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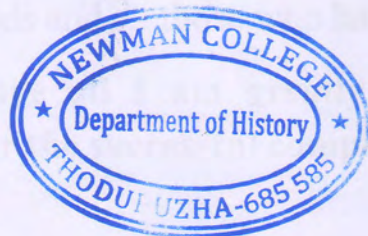
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The successful completion of this dissertation owes to the inspiration and guidance of my supervisor, Prof. Joby Thomas. I wish to express my sincere gratitude to all those who helped me directly or indirectly for the completion of the work.

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The award of Bachelor of Arts
In History

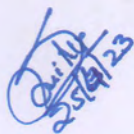
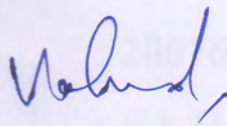
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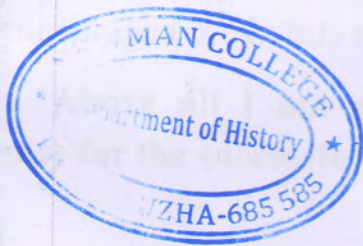
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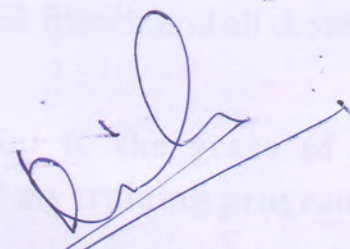
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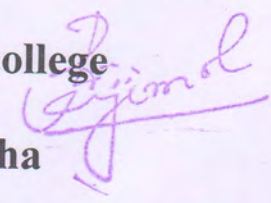

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സാമൂഹിക സാംസ്കാരിക ചരിത്രം

DISSERTATION

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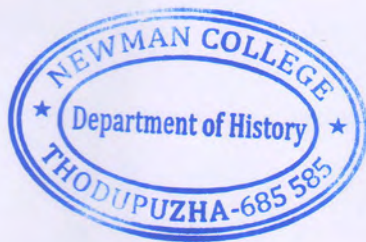
DECLARATION

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ENVIRONMENTAL HISTORY OF THEKKADY

A Project work in partial fulfilment of the requirement for

The award of Bachelor of Arts in History

VINEETH RADHAKRISHNAN

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2022-2023

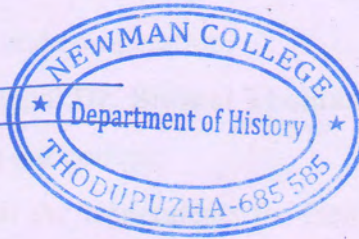
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Prof. Joby Thomas



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**EDUCATION OF SCHEDULED TRIBES OF
KUTTAMPUZHA DURING THE CORONA PANDEMIC
DISSERTATION**

Submitted to Mahatma Gandhi University in partial fulfilment of the
requirements for the award of Degree of
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Submitted by

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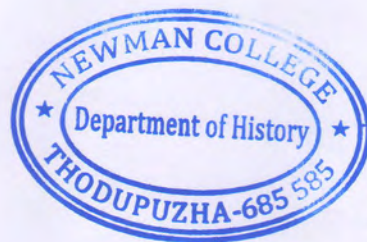
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ENVIRONMENTAL HISTORY OF IDUKKI



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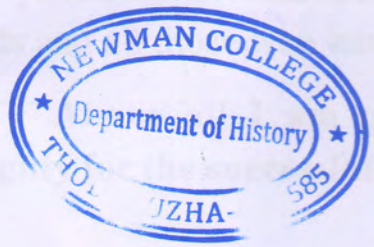
A handwritten signature in blue ink, appearing to read 'Valand', is written over the printed name of the university.

A blue ink stamp is located at the bottom right of the page. It contains a signature and the date '28/1/23'.

ACKNOWLEDGEMENT

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Prof. Joby Thomas

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This is to certify that this dissertation entitled "*Vaarddhakayathinte Aavishkkaaram "Aandroyidu Kunjappan" "Manasinakkare" ennee cinimakalil"*", submitted for the award of the Bachelor of Arts in Malayalam Language and Literature is an authentic record of research done by **Akhil Saji** (Reg.No. 200021010495) under my supervision and guidance. No part of the dissertation has been submitted for any other degree, diploma or similar title before.

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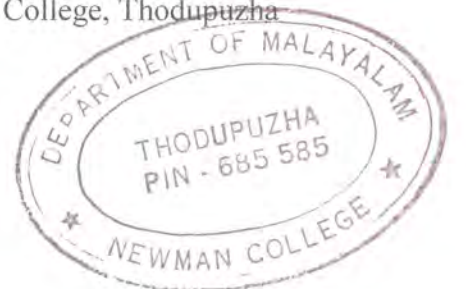
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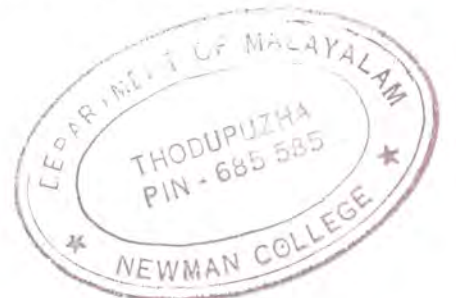
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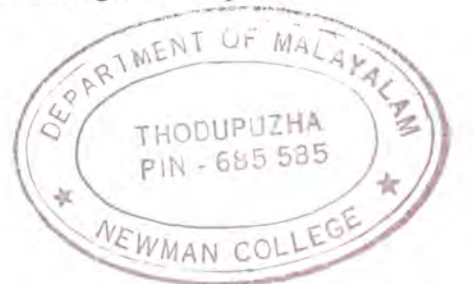
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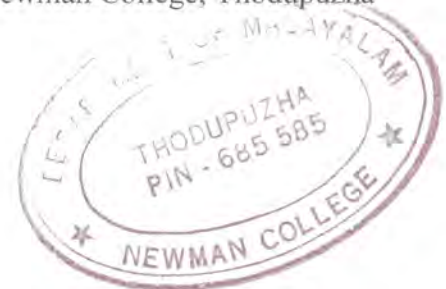
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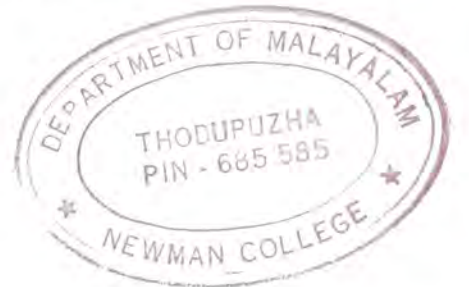
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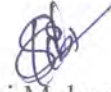
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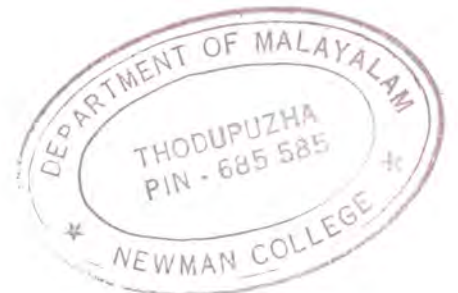
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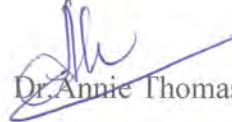


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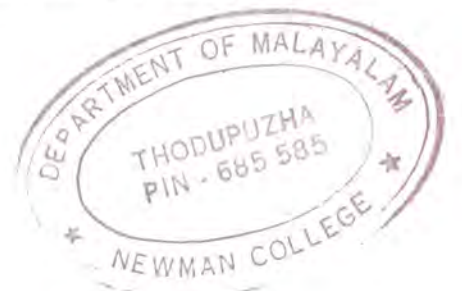
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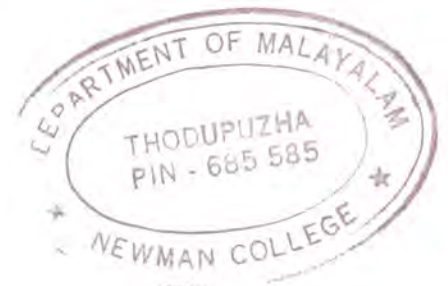
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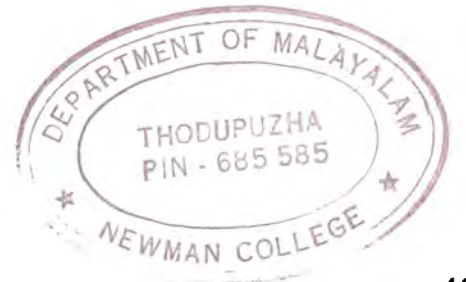
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A Report submitted
in partial fulfilment of the requirement
for the degree of

BACHELOR OF SCIENCE

In

**BOTANY AND PLANT BIOTECHNOLOGY
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

By

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Under the guidance of

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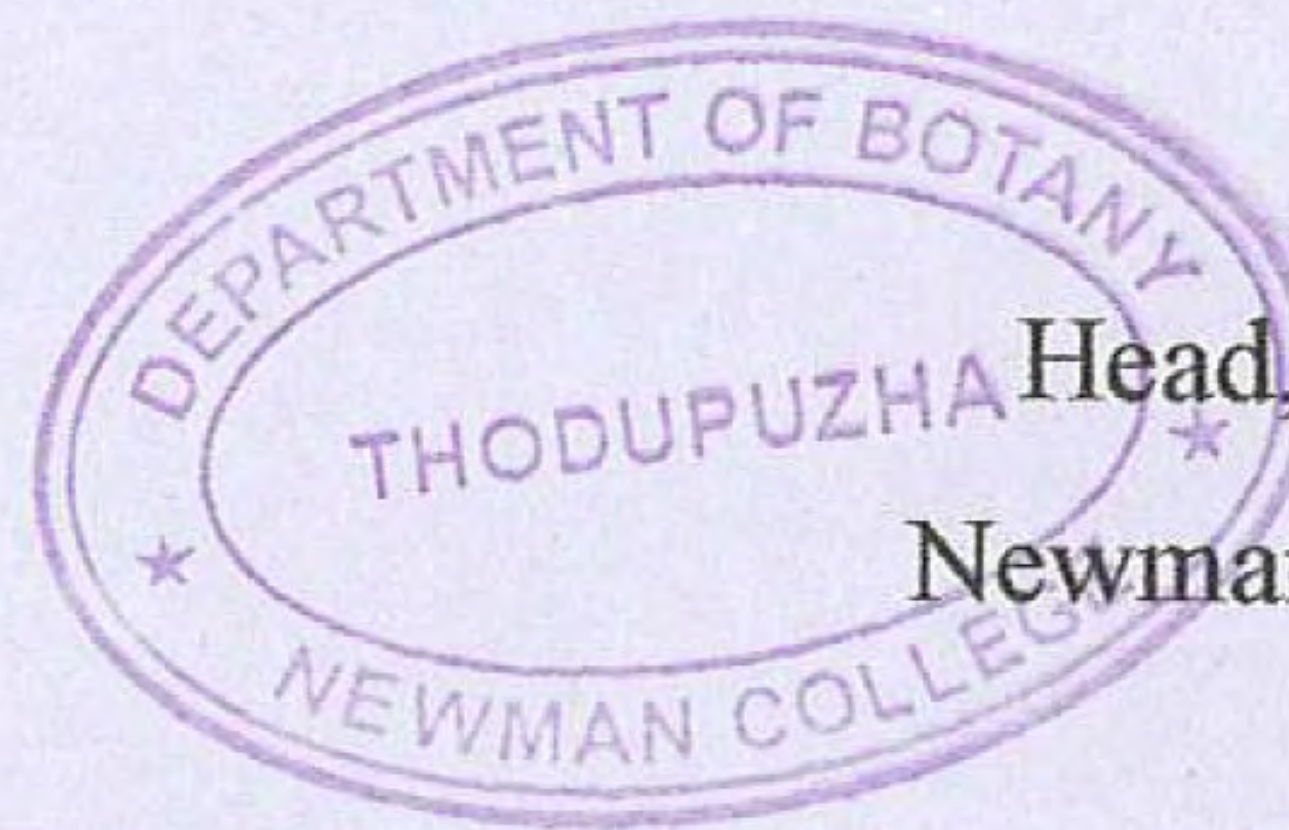
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Place: Thodupuzha

Date: 31.03.2023

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PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA**

**FORMULATION, DEVELOPMENT AND
CHARACTERISATION OF HERBAL SOAP USING
Azadirachta India A. Juss. AND ITS ANTIMICROBIAL
ACTIVITY AGAINST *Staphylococcus Aureus* and
*Klebsiella Pneumonia.***

**Dissertation Submitted To Mahatma Gandhi University
In Partial Fulfillment Of Requirements For The Award Of Degree of**

**BACHELOR OF SCIENCE IN BOTANY
Vocational subject: PLANT BIOTECHNOLOGY**

Submitted by: **ALEENA BABU**

Reg No: 200021042543

Under the guidance of

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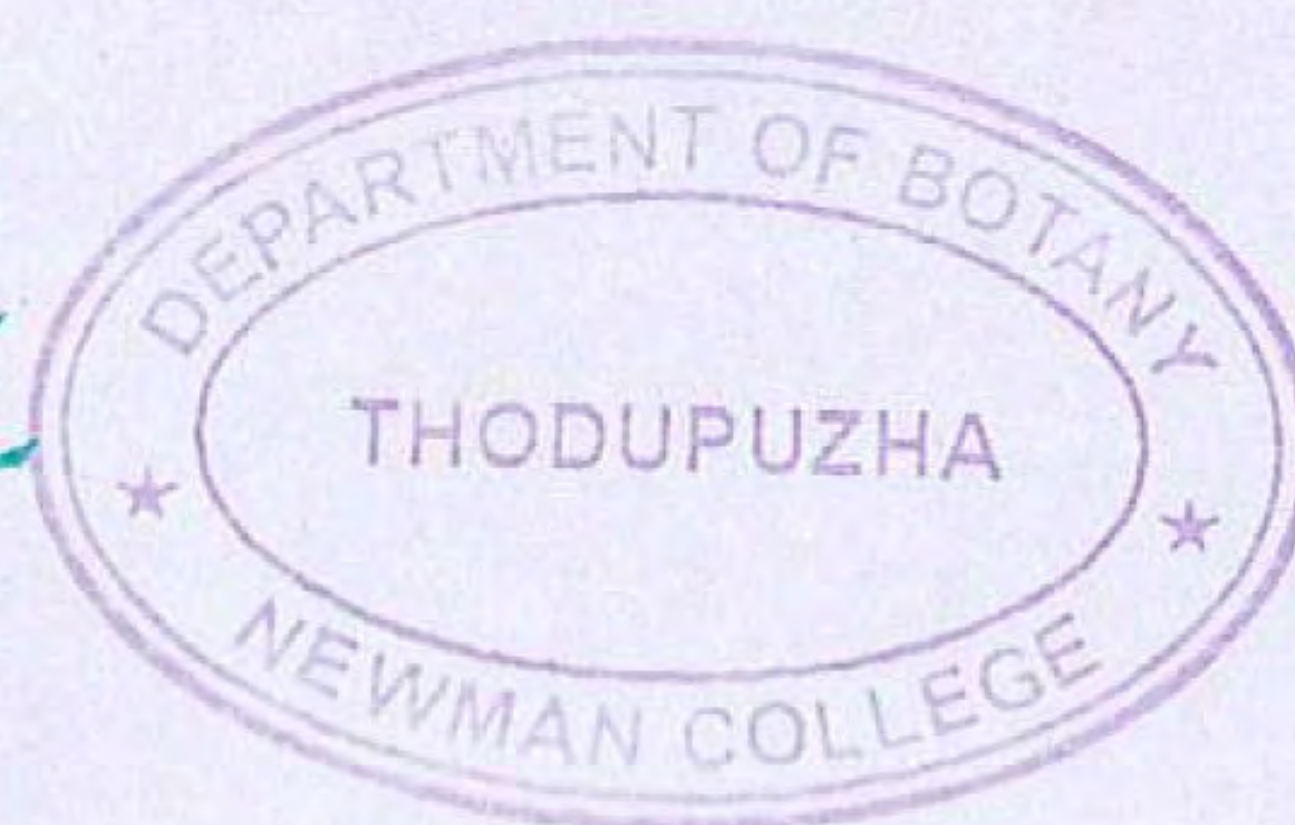
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Date: 04.05.2020

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EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS. (*Oryza. sativa L*)

Dissertation Submitted to Mahatma Gandhi University
In Partial Fulfillment of Requirements for The Award of Degree of

BACHELOR OF SCIENCE IN BOTANY
Vocational subject: PLANT BIOTECHNOLOGY

Submitted by: **ALPHONSA JOY**

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Date: 5/5/2023

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Vocational subject: PLANT BIOTECHNOLOGY**

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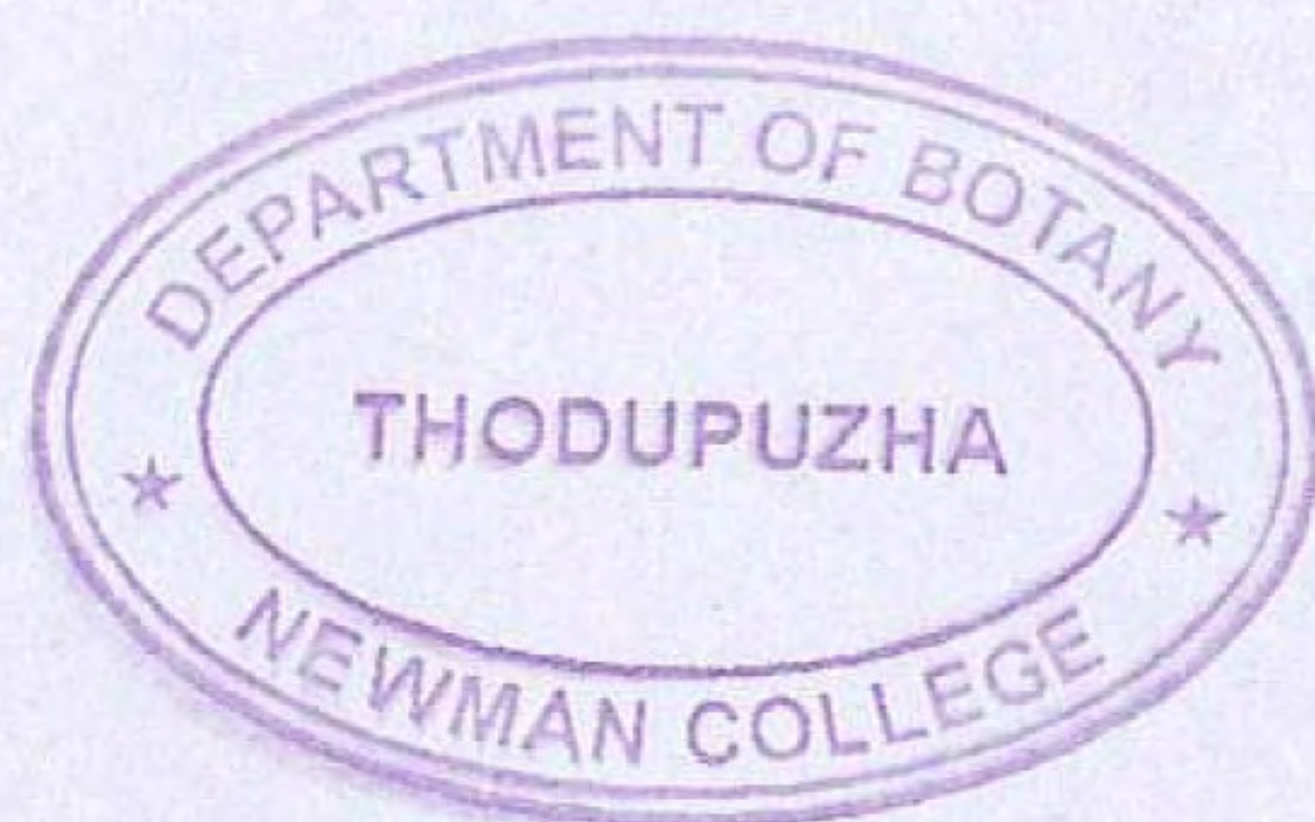
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Sr. Dr. MARIAT GEORGE
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Place: *Thodupuzha*

Date: *04/05/2023*



**DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
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**Synthesis of silver nanoparticle using *Aloevera* whole leaf extract and their
phytotoxicity and antibacterial study using *Allium parvum* and
*Staphylococcus aureus***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial
Fulfilment of the Requirement for the degree of**

**B Sc. BOTANY (MODEL II)
VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY**

Submitted by: ASHLY BABU

Reg no:200021042558



**NEWMAN COLLEGE, THODUPUZHA
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**Under the Guidance of
Dr. ANJU T R**

**Assistant Professor and Head, Department of Biotechnology
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2023

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11/2/2023



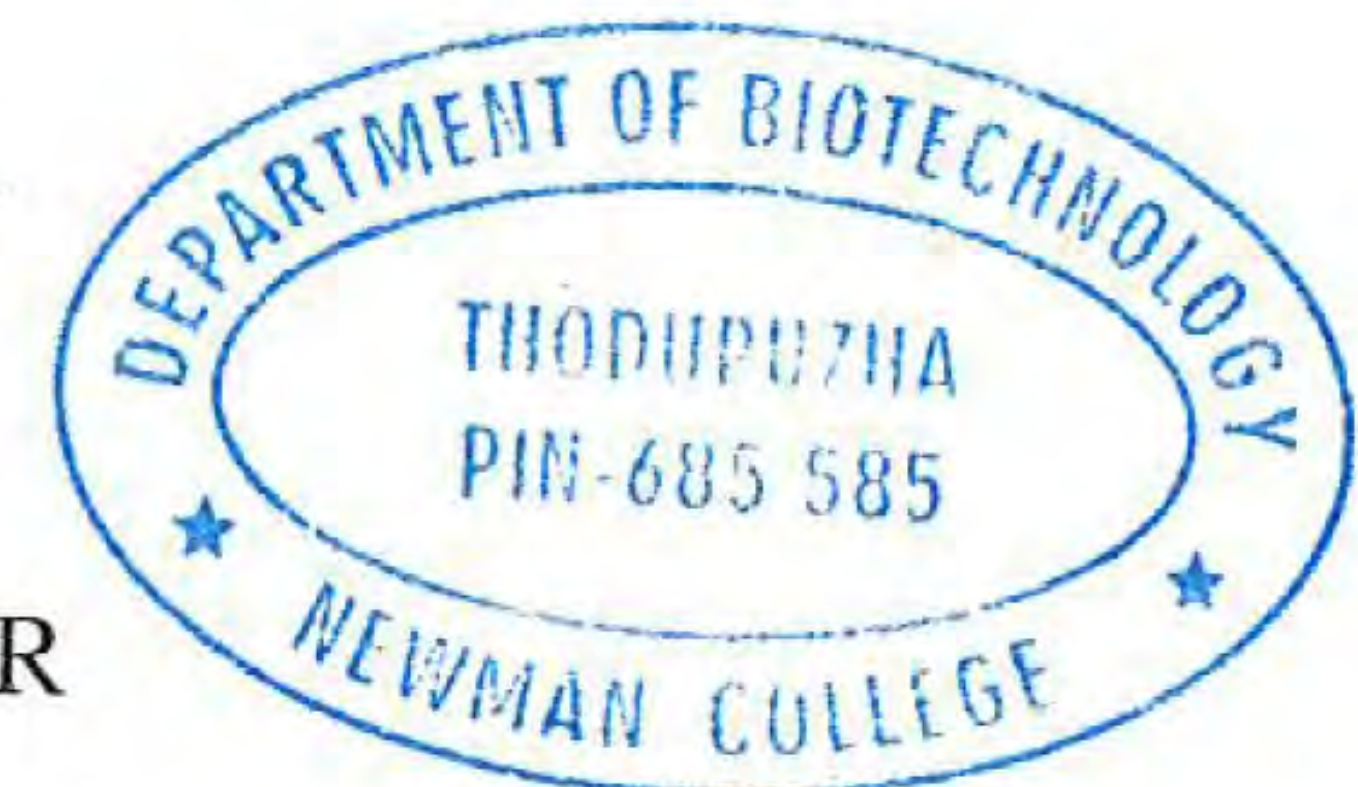
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This is to certify that this thesis entitled 'Synthesis of silver nanoparticle using *Aloe vera* whole leaf extract and their phytotoxicity and antibacterial study using *Allium parvum* and *Staphylococcus aureus*' submitted by **Ms.AshlyBabu (200021042558)** for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II - Vocational subject: Plant Biotechnology) of Mahatma Gandhi University Kottayam, is a record of work carried by her during the period of her/his study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.



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Dr. Anju T R
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Place: Thodupuzha
Date: 04/4/2023


DR. BHIMOL THOMAS
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EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS. (*Oryza. sativa L*)

Dissertation Submitted to Mahatma Gandhi University
In Partial Fulfillment of Requirements for The Award of Degree of

BACHELOR OF SCIENCE IN BOTANY
Vocational subject: **PLANT BIOTECHNOLOGY**

Submitted by: **ASNAMOL NAZAR**

Reg No: 200021042559

Under the guidance of

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(Affiliated to Mahatma Gandhi University, Kottayam)

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Ms. Amritha Krishnakumar &
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Place: Thodupuzha

Date: 5-5-2023

**DR BIJMOL THOMAS
PRINCIPAL-IN-CHARGE
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AN OVERVIEW OF BRYOPHYTES DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT

A Report submitted
in partial fulfilment of the requirement
for the degree of

BACHELOR OF SCIENCE

In

**BOTANY AND PLANT BIOTECHNOLOGY
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

By

ASWIN ANIL

(200021042544)

Under the guidance of

Dr. Saju Abraham

Asst. professor, Department of Botany and plant biotechnology

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5/5/23



To the

**DEPARTMENT OF BOTANY AND PLANT BIOTECHNOLOGY
NEWMAN COLLEGE THODUPUZHA**

APRIL 2023

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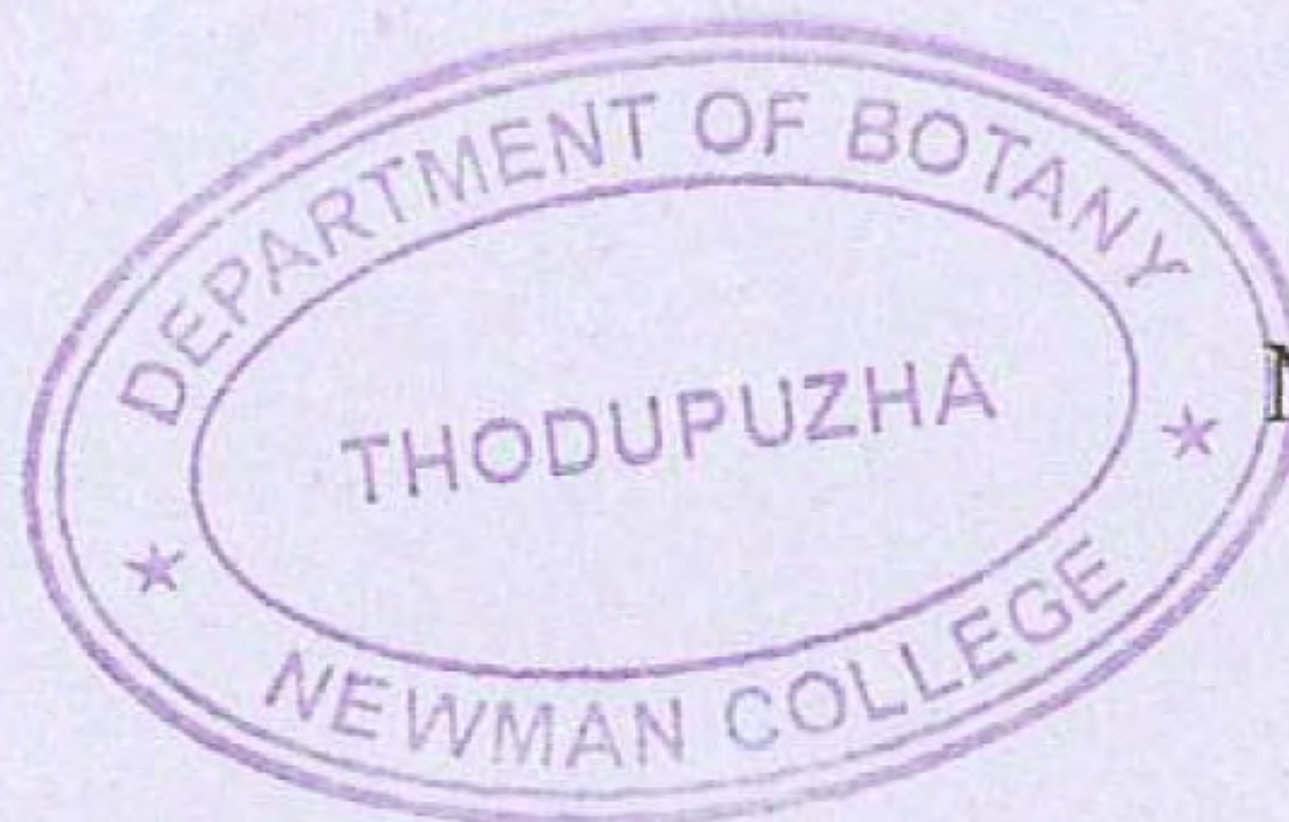
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This is to certify that this project entitled the "AN OVERVIEW OF BRYOPHYTE DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT" submitted by Mr. **ASWIN ANIL** (200021042544) for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II) Biotechnology of Mahatma Gandhi University Kottayam, is a record of research carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

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Dr. Saju Abraham
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Place: Thodupuzha

Date: 31.03.2023

DR. BIJIMOL THOMAS
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EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS. (*ORYZA. SATIVA L*)

Dissertation Submitted to Mahatma Gandhi University
In Partial Fulfillment of Requirements for The Award of Degree of

BACHELOR OF SCIENCE IN BOTANY
Vocational subject: **PLANT BIOTECHNOLOGY**

Submitted by: **Devaprabha Manohar**

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**Synthesis of silver nanoparticle using *Aloevera* whole leaf extract and their
phytotoxicity and antibacterial study using *Allium parvum* and
*Staphylococcus aureus***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial
Fulfilment of the Requirement for the Degree of**

**B Sc. BOTANY (MODEL II)
VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY**

Submitted by: DIVYAJA SHAJI

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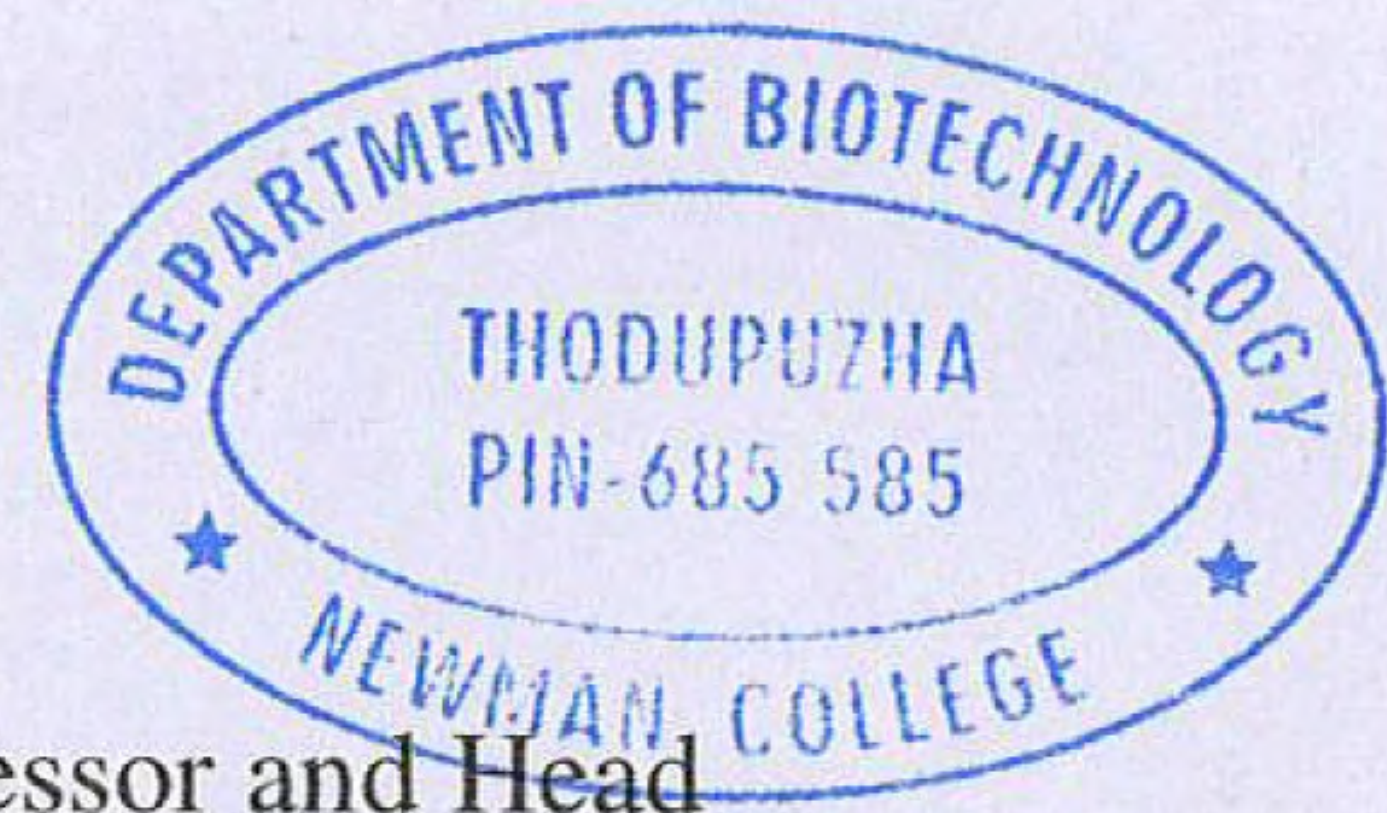
DEPARTMENT OF BOTANY & BIOTECHNOLOGY
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This is to certify that this thesis entitled 'Synthesis of silver nanoparticle using *Aloe vera* whole leaf extract and their phytotoxicity and antibacterial study using *Allium parvum* and *Staphylococcus aureus*' submitted by **Ms. Divyaja Shaji** (200021042545) for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II - Vocational subject: Plant Biotechnology) of Mahatma Gandhi University Kottayam, is a record of work carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

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Place: Thodupuzha

Date: 4-05-2023

DR. BIJIMOL THOMAS
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**Synthesis of silver nanoparticle using *Aloevera* whole leaf extract and their
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**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial
Fulfilment of the Requirement for the degree of**

**B Sc. BOTANY (MODEL II)
VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY**

Submitted by: HIBA FATHIM S

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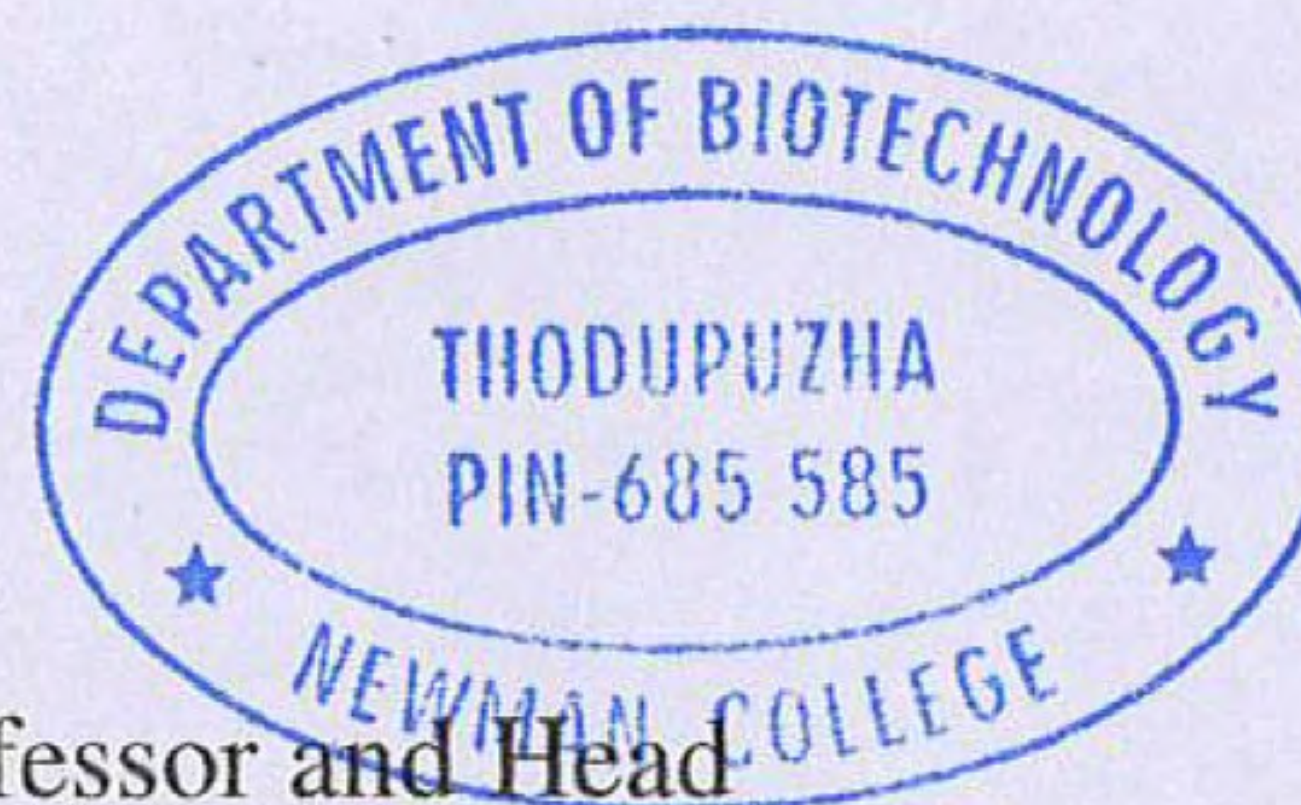
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Assistant Professor and Head

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Newman College, Thodupuzha

Kerala - 685 585



Place: Thodupuzha

Date:

DR. BIJIMOL THOMAS
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THODUPUZHA

**FORMULATION, DEVELOPMENT AND CHARACTERISATION OF
HERBAL SOAP USING DHASAPUSHPAM AND ITS ANTIMICROBIAL
ACTIVITY AGAINST *Staphylococcus aureus* AND *Klebsiella pneumonia***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial Fulfilment
of the Requirement for the Degree of**

B Sc. BOTANY (MODEL II)

VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY

Submitted by: Grace George

Register no: 200021042546



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Affiliated to Mahatma Gandhi University

Under the Guidance of

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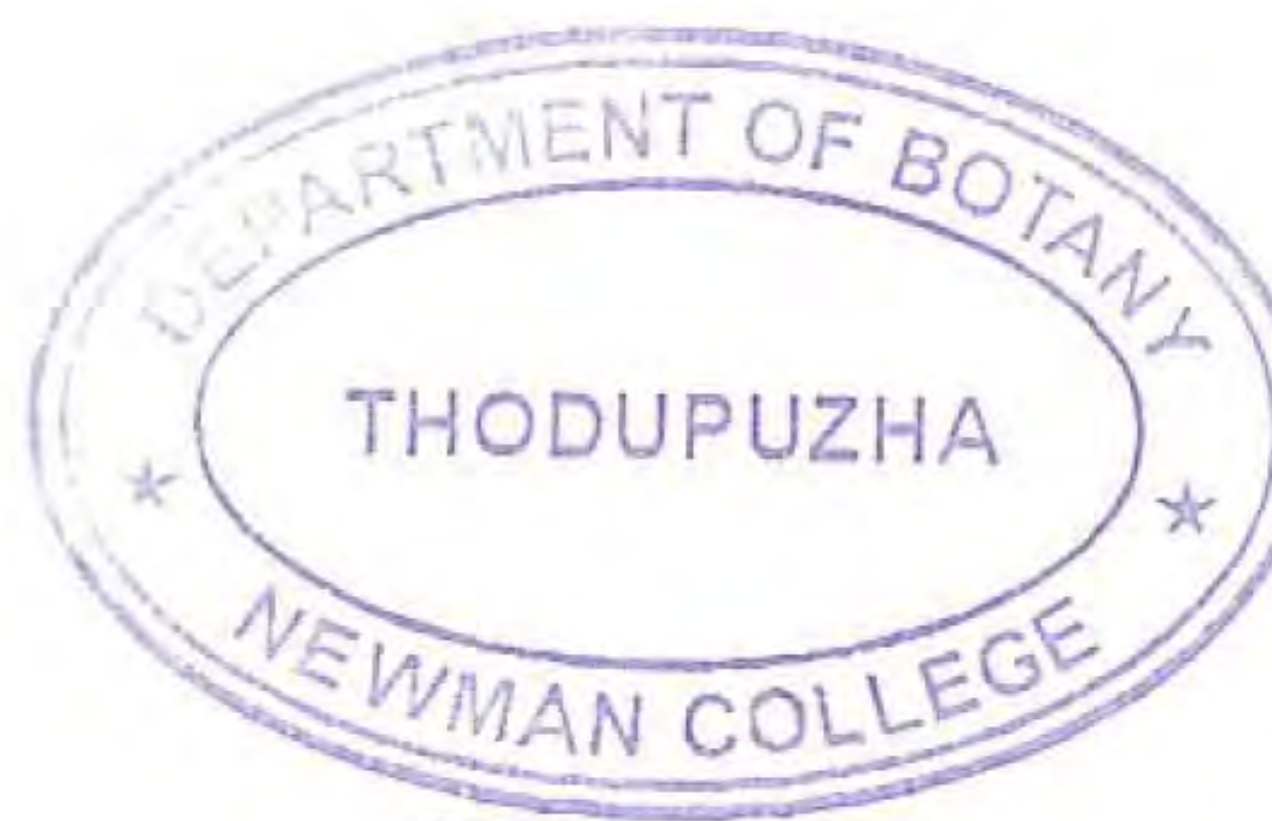
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Thodupuzha

Place: Thodupuzha

Date : 4/5/2023

DR. BIJIMOL THOMAS
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**FORMULATION, DEVELOPMENT AND CHARACTERISATION OF
HERBAL SOAP USING DHASAPUSHPAM AND ITS ANTIMICROBIAL
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**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial Fulfilment
of the Requirement for the Degree of**

B Sc. BOTANY (MODEL II)

VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY

Submitted by: Jobin Raju

Register no: 200021042562



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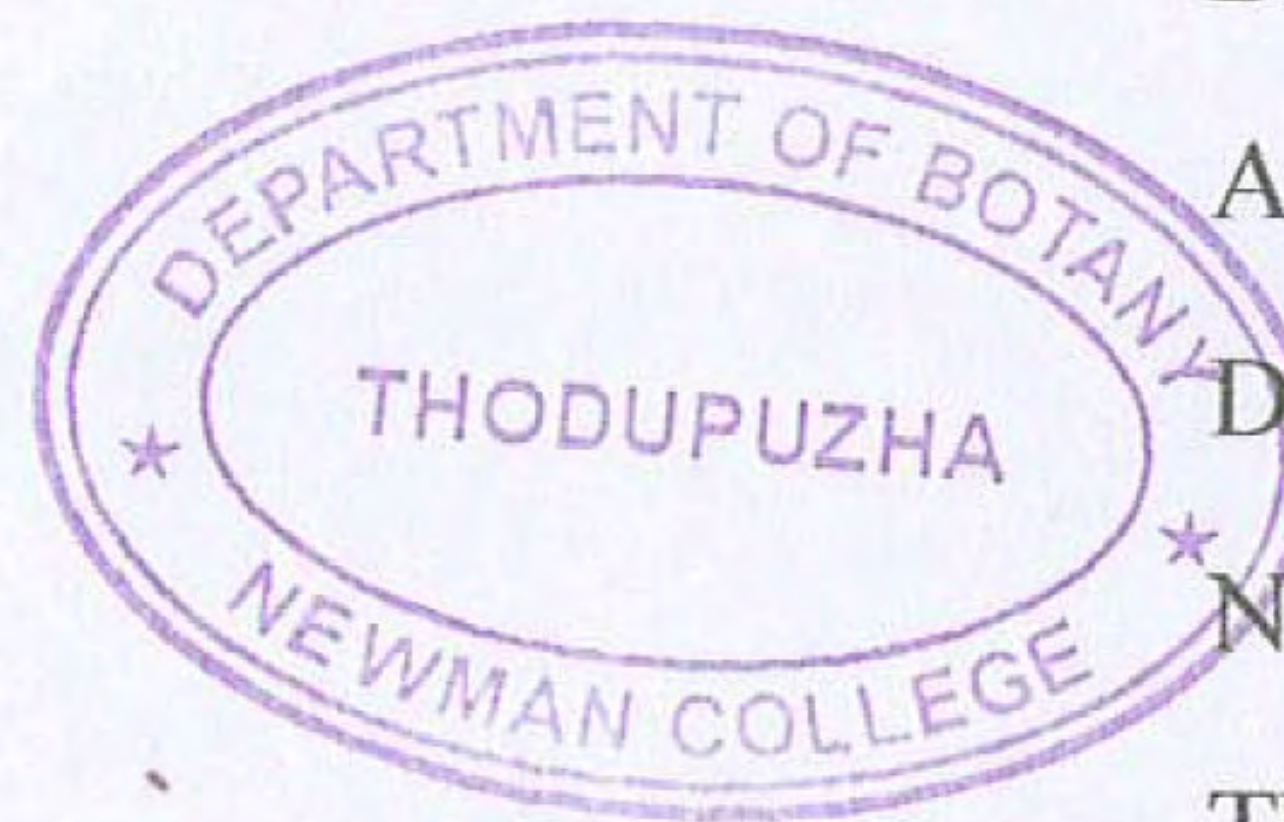
Name: Jobin Raju

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This is to certify that this thesis entitled '**Formulation, development and characterization of herbal soap using dhasapushpam and it's antimicrobial activity against *Staphylococcus Aureus and Klebsiella Pneumonia***' submitted by **Mr. Jobin Raju** (200021042562) for the partial fulfillment of the Requirement for the Degree of Bachelor of Science in Botany (Model II - Vocational subject: Plant Biotechnology) of Mahatma Gandhi University Kottayam, is a record of work carried by her during the period of his study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

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Place: Thodupuzha

Date : 04-05-23

**DR. BIJIMOL THOMAS
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EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS. (*Oryza, sativa L*)

Dissertation Submitted to Mahatma Gandhi University
In Partial Fulfillment of Requirements for The Award of Degree of

BACHELOR OF SCIENCE IN BOTANY
Vocational subject: **PLANT BIOTECHNOLOGY**

Submitted by: **Krishnapriya K Chandran**

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Assistant Professor, Department of Botany and Biotechnology,

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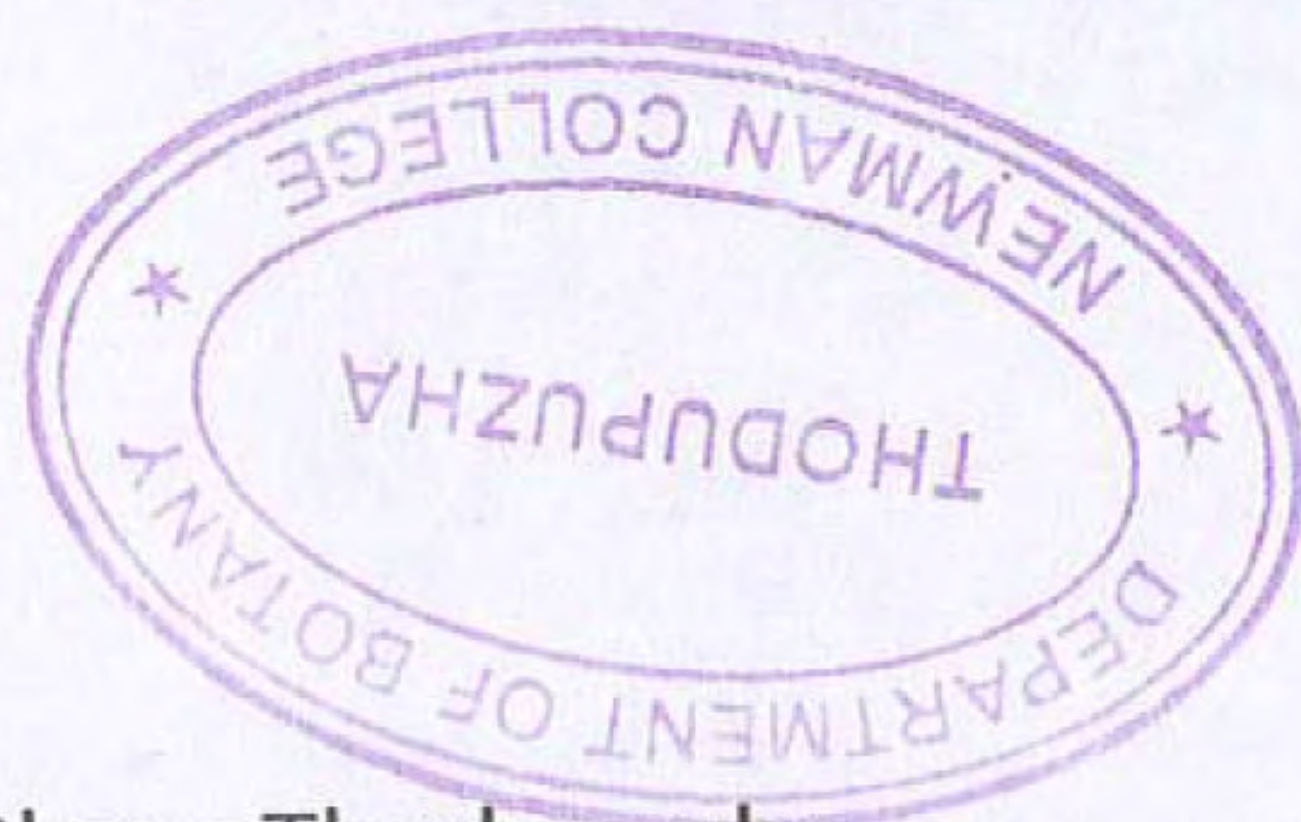
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Date: 05-06-2023

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DR. BIJIMOL THOMAS
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THODUPUZHA

**A STUDY ON THE ANTIMICROBIAL AND SEED GERMINATION
EFFECTS OF GREEN SYNTHESIZED SILVER NANOPARTICLES
USING *ALOE VERA***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial
Fulfilment of the Requirement for the Degree of**

**B Sc. BOTANY (MODEL II)
VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY**

Submitted by: Lakshmi T S

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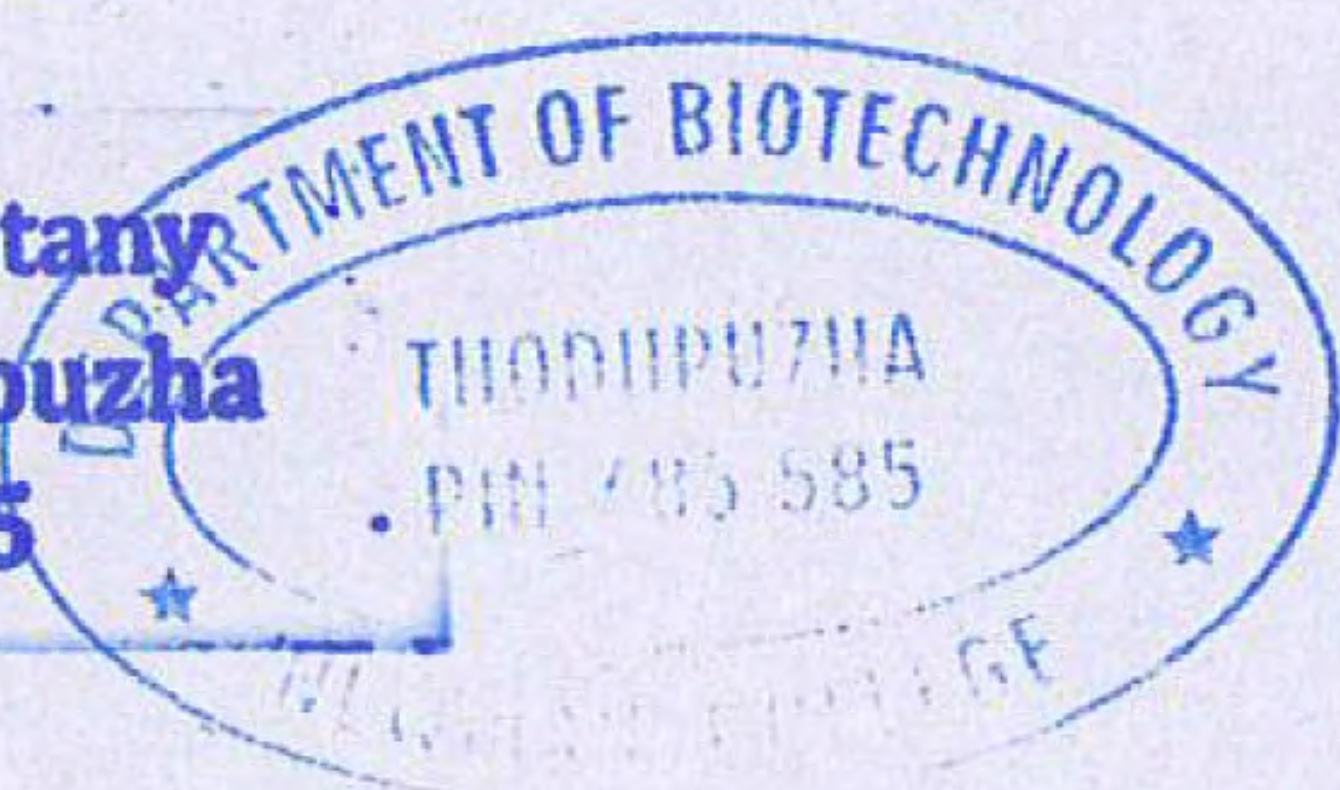


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Dr. Anju T R
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Place: Thodupuzha

Date: 2/05/2023

DR. BIJIMOL THOMAS
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**FORMULATION, DEVELOPMENT AND CHARACTERISATION OF
HERBAL SOAP USING DHASAPUSHPAM AND ITS ANTIMICROBIAL
ACTIVITY AGAINST *Staphylococcus aureus* AND *Klebsiella pneumonia***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial Fulfilment
of the Requirement for the Degree of**

B Sc. BOTANY (MODEL II)

VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY

Submitted by: Malavika S

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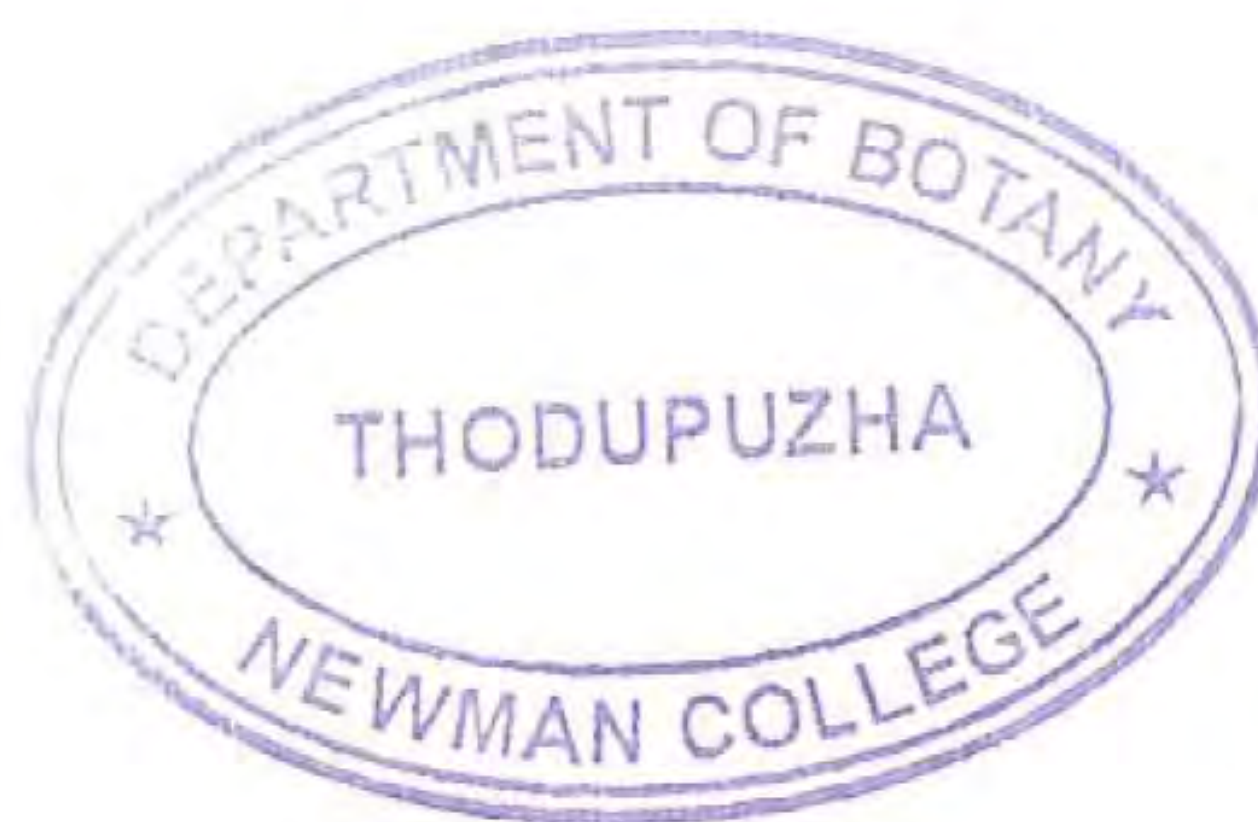
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This is to certify that this thesis entitled '**Formulation, development and characterization of herbal soap using dhasapushpam and it's antimicrobial activity against *Staphylococcus Aureus* and *Klebsiella Pneumonia*** submitted by **Ms. Malavika S** (200021042548) for the partial fulfillment of the Requirement for the Degree of Bachelor of Science in Botany (Model II -Vocational subject: Plant Biotechnology) of Mahatma Gandhi University Kottayam, is a record of work carried by her during the period of his study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

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Place: Thodupuzha

Date : 04-05-2023

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EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS. (*Oryza. sativa L*)

Dissertation Submitted to Mahatma Gandhi University
In Partial Fulfillment of Requirements for The Award of Degree of

BACHELOR OF SCIENCE IN BOTANY
Vocational subject: **PLANT BIOTECHNOLOGY**

Submitted by: **MELBY K RAJU**

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Assistant Professor, Department of Botany and Biotechnology,
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Amritha
Ms. Amritha Krishnakumar &
Ms. Riya Rose George
Assistant Professors
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Newman College, Thodupuzha

Place: Thodupuzha

Date: 5/05/2023

Byasad
DR. BHIMOL THOMAS
PRINCIPAL-IN-CHARGE
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EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS. (*Oryza. sativa L*)

Dissertation Submitted to Mahatma Gandhi University
In Partial Fulfillment of Requirements for The Award of Degree of

BACHELOR OF SCIENCE IN BOTANY
Vocational subject: **PLANT BIOTECHNOLOGY**

Submitted by: **NANDANA B**

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5/5/23

NEWMAN COLLEGE THODUPUZHA

(Affiliated to Mahatma Gandhi University, Kottayam)

2023

Handwritten signature and date: 5/5/2023

**DEPARTMENT OF BOTANY AND
BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPUZHA**



I hereby declare that the project entitled "EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS (*Oryza sativa* L)" is an authentic record of original work done by me under the guidance of Ms. Amritha Krishnakumar & Riya Rose George, Assistant Professors, Department of Botany, Newman College, Thodupuzha. This work has not been part of any other project work submitted for award of the Degree of Diploma either in this or any other University.

CERTIFICATE

This is to certify that the dissertation entitled **EFFECTS OF NANO CELLULOSE ZINC COMPOSITE ON EARLY GROWTH ENHANCEMENT OF RICE PLANTS (*Oryza sativa* L)** is a genuine piece of research done by **NANDANA B** (Reg. no 200021042550) in partial fulfillment for the award of the Degree of Bachelor of Science in Botany from Mahatma Gandhi University, Kottayam, is a record of research carried under my supervision during the period of their study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

DATE: 31.03.2023

**Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585**



**Ms. Amritha Krishnakumar &
Ms. Riya Rose George
Assistant Professors
Department of Botany
Newman College, Thodupuzha**

Place: Thodupuzha

Date: 5/05/23

**DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA**

AN OVERVIEW OF BRYOPHYTES DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT

A Report submitted
in partial fulfilment of the requirement
for the degree of

BACHELOR OF SCIENCE


In

**BOTANY AND PLANT BIOTECHNOLOGY
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

By

NANDHANA SUBASH (200021042551)

Under the guidance of
Dr.Saju Abraham
Assistant Professor, Department of Botany and Biotechnology
Newman College Thodupuzha

Valued

5/5/23



To the

**DEPARTMENT OF BOTANY AND PLANT BIOTECHNOLOGY
NEWMAN COLLEGE THODUPUZHA**

APRIL 2023

Kalaed




DEPARTMENT OF BOTANY & BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPZHA
NAAC ACCREDITED 'A' GRADE INSTITUTION
(AFFILIATED TO MAHATMAGANDHI UNIVERSITY,
KOTTAYAM)

CERTIFICATE

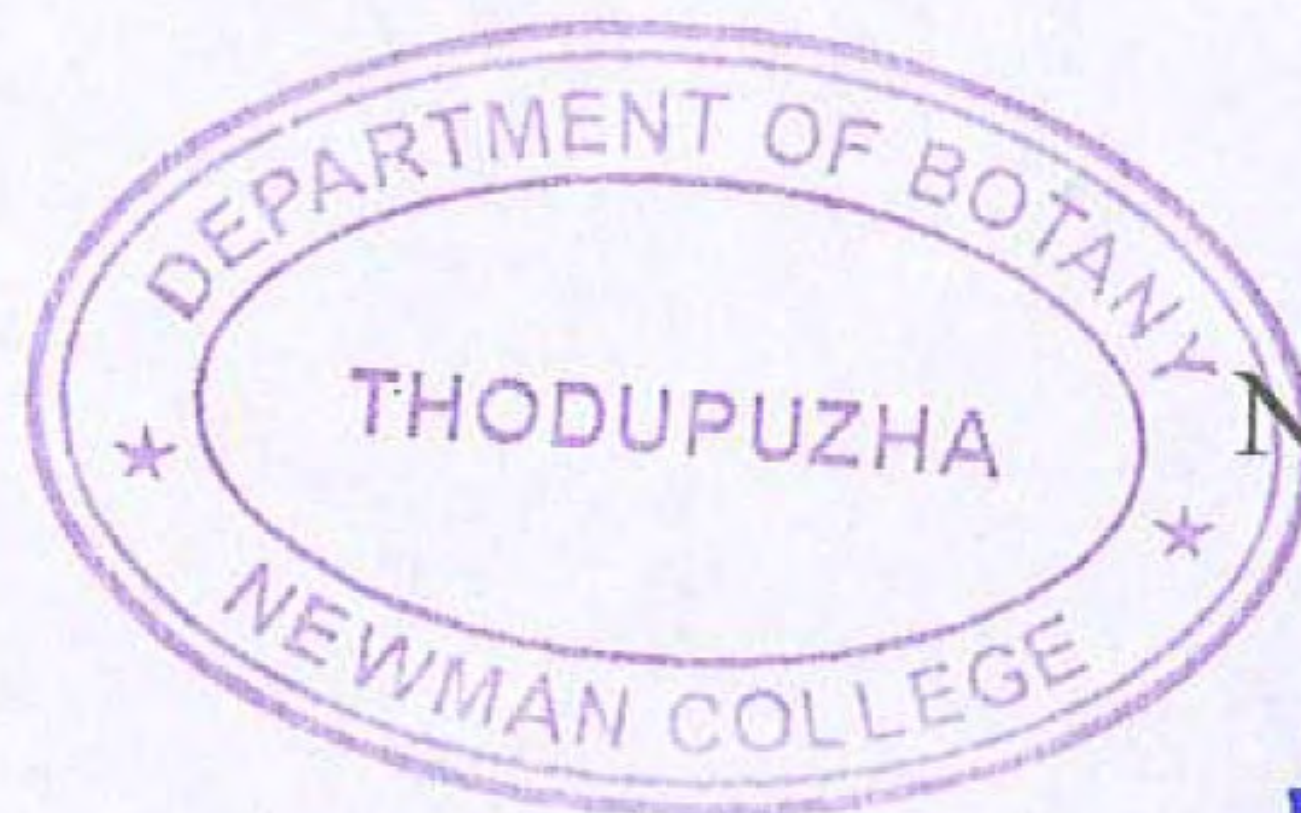
This is to certify that this project entitled the "AN OVERVIEW OF BRYOPHYTE DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT" submitted by **Ms. NANDHANA SUABSH (PRN 200021042551)** for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II) Biotechnology of Mahatma Gandhi University Kottayam, is a record of research carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

NANDI Dr. Saju Abraham

PRN: 2 Assistant Professor

Head, Department of Botany

Newman College, Thodupuzha



Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585

PLACE: Thodupuzha

DATE: 31.03.2023

Place: Thodupuzha

Date: 31.03.2023

DR BIJMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

**AN OVERVIEW OF BRYOPHYTES DIVERSITY IN SELECTED AREAS OF IDUKKI
DISTRICT**

A Report submitted
in partial fulfilment of the requirement
for the degree of

BACHELOR OF SCIENCE

In

**BOTANY AND PLANT BIOTECHNOLOGY
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

By

RANI MARIA JOLLY

(200021042553)

Under the guidance of

Dr. Saju Abraham

Asst. professor, Department of Botany and plant biotechnology

Newman college Thodupuzha



To the

**DEPARTMENT OF BOTANY AND PLANT BIOTECHNOLOGY
NEWMAN COLLEGE THODUPUZHA**

APRIL 2023

Valued
5/5/23



LEAD KINDLY LIGHT

**DEPARTMENT OF BOTANY & BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPZHA
NAAC ACCREDITED 'A' GRADE INSTITUTION
(AFFILIATED TO MAHATMAGANDHI UNIVERSITY, KOTTAYAM)**

CERTIFICATE

This is to certify that this project entitled the "AN OVERVIEW OF BRYOPHYTE DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT" submitted by Ms **RANI MARIA JOLLY** (PRN 200021042553) for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II) Biotechnology of Mahatma Gandhi University Kottayam, is a record of research carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

Dr. Saju Abraham

Assistant Professor

Head, Department of Botany
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023

**Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585**

DR BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

**FORMULATION, DEVELOPMENT AND
CHARACTERISATION OF HERBAL SOAP USING
Azadirachta India A. Juss. AND ITS ANTIMICROBIAL
ACTIVITY AGAINST *Staphylococcus Aureus* and
*Klebsiella Pneumonia.***

**Dissertation Submitted To Mahatma Gandhi University
In Partial Fulfillment Of Requirements For The Award Of Degree of**

**BACHELOR OF SCIENCE IN BOTANY
Vocational subject: PLANT BIOTECHNOLOGY**

Submitted by: SHEETHAL SUGATHAN

Reg No: 200021042564

Under the guidance of

Sr. Dr. MARIAT GEORGE

Assistant Professor, Department Of Botany And Biotechnology,

Newman College, Thodupuzha, Kerala



Handwritten signature in green ink, possibly reading 'Sugathan'.

NEWMAN COLLEGE THODUPUZHA

(Affiliated to Mahatma Gandhi University, Kottayam)

2023

**DEPARTMENT OF BOTANY AND BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPUZHA**



CERTIFICATE

This is to certify that the dissertation entitled ' **FORMULATION, DEVELOPMENT AND CHARACTERISATION OF HERBAL SOAP USING *Azadirachta India A. Juss.* AND ITS ANTIMICROBIAL ACTIVITY AGAINST *Staphylococcus Aureus* and *Klebsiella Pneumonia***' is a bonafide piece of research done by **SHEETHAL SUGATHAN** (Reg. no 200021042564) in partial fulfillment for the award of the Degree of Bachelor of Science in Botany from Mahatma Gandhi University, Kottayam, is a record of research carried under my supervision during the period of their study in the Department of Botany and Biotechnology , Newman College, Thodupuzha.



Sr. Dr. MARIAT GEORGE
Assistant Professor
Department of Botany
Newman College, Thodupuzha

Place: Thodupuzha

Date: 03/05/2023

DR. BHIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585

**AN OVERVIEW OF BRYOPHYTES DIVERSITY IN SELECTED AREAS OF IDUKKI
DISTRICT**

A Report submitted
in partial fulfilment of the requirement
for the degree of

BACHELOR OF SCIENCE

In

**BOTANY AND PLANT BIOTECHNOLOGY
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

By

TEENU FRANSICS

(200021042554)

Under the guidance of

Dr. Saju Abraham

Asst. professor, Department of Botany and plant biotechnology

Newman college Thodupuzha

*Valued
5/5/23*



To the

**DEPARTMENT OF BOTANY AND PLANT BIOTECHNOLOGY
NEWMAN COLLEGE THODUPUZHA**

APRIL 2023

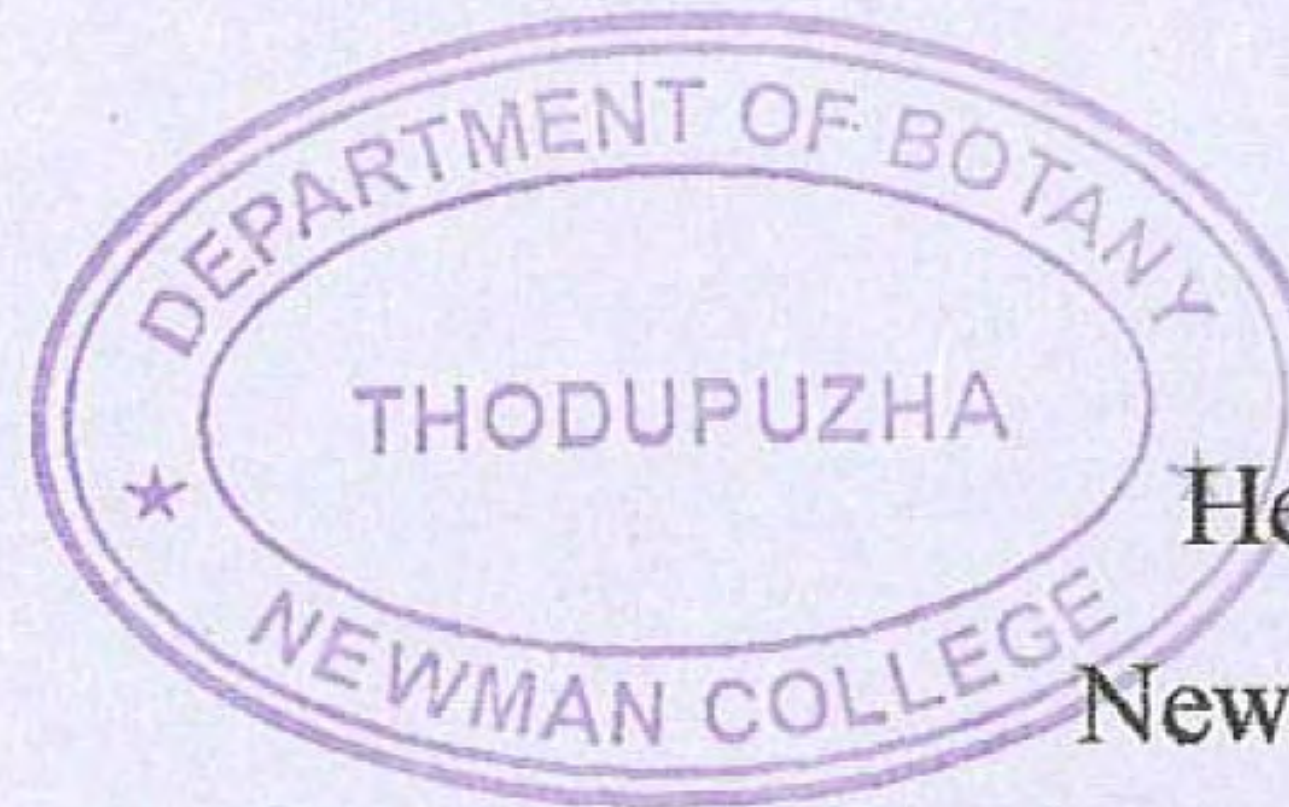


**DEPARTMENT OF BOTANY & BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPZHA
NAAC ACCREDITED 'A' GRADE INSTITUTION
(AFFILIATED TO MAHATMAGANDHI UNIVERSITY, KOTTAYAM)**

CERTIFICATE

This is to certify that this project entitled the "AN OVERVIEW OF BRYOPHYTE DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT" submitted by Ms. **TEENU FRANSICS** (200021042554) for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II) Biotechnology of Mahatma Gandhi University Kottayam, is a record of research carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

**Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585**



**Dr. Saju Abraham
Assistant Professor
Head, Department of Botany
Newman College, Thodupuzha**

Place: Thodupuzha

Date: 31.03.2023

**DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA**

**A STUDY ON THE ANTIMICROBIAL AND SEED GERMINATION
EFFECTS OF GREEN SYNTHESIZED SILVER NANOPARTICLES
USING *ALOE VERA***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial
Fulfilment of the Requirement for the Degree of**

**B Sc. BOTANY (MODEL II)
VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY**

Submitted by: **Treesa Binoy**

Reg no: 200021042565



**NEWMAN COLLEGE, THODUPUZHA
Affiliated to Mahatma Gandhi University**

Under the Guidance of

Dr. ANJU T R

Assistant Professor and Head, Department of Biotechnology

Newman College, Thodupuzha, 685 585

Kerala, India

2023

Valued
5/5/23

Valued
11/2/23



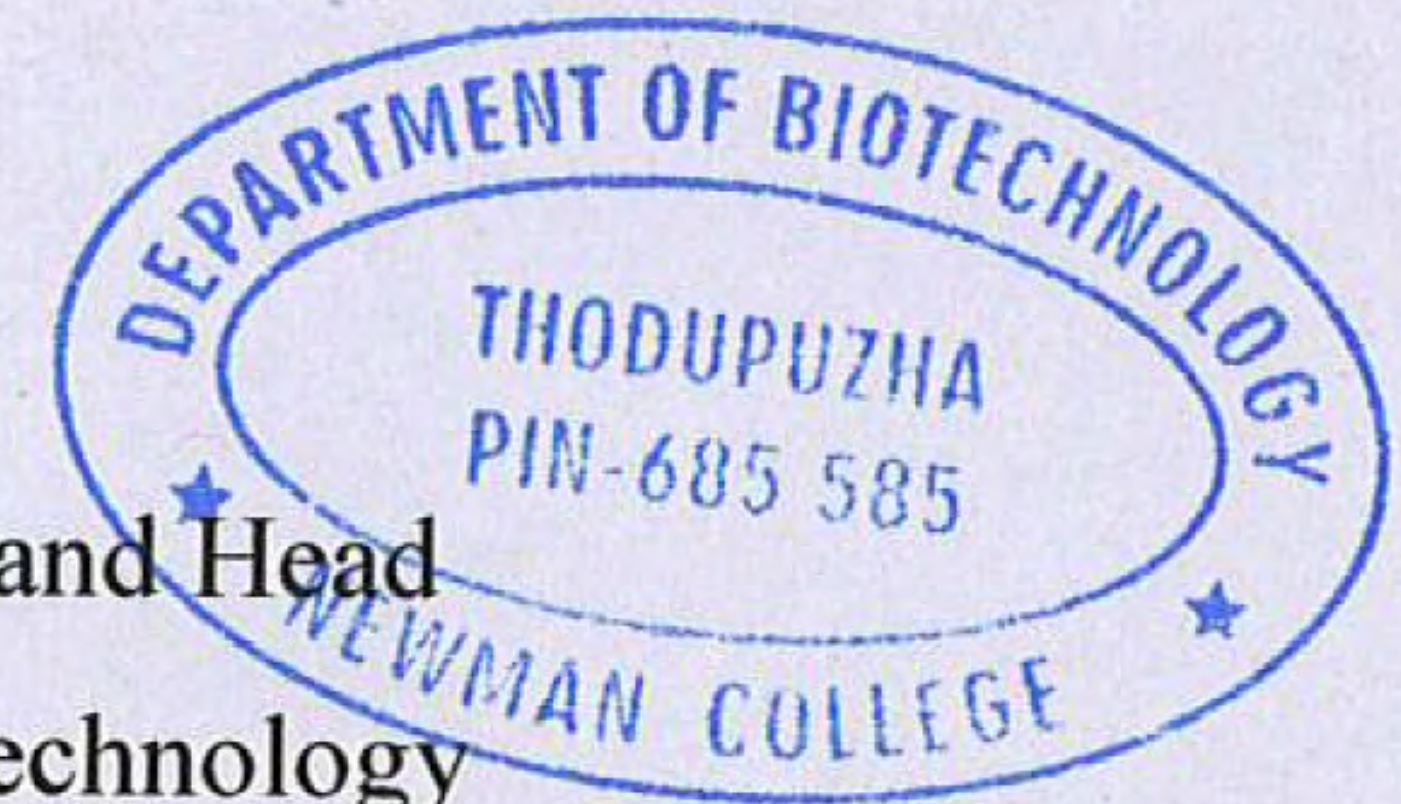
DEPARTMENT OF BOTANY & BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPZHA
NAAC ACCREDITED 'A' GRADE INSTITUTION
(AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM)

CERTIFICATE

This is to certify that this thesis entitled 'A study on the antimicrobial and seed germination effects of Green synthesized Silver nanoparticles using Aloe vera' submitted by Ms. **Treesa Binoy** (Reg no. 200021042565) for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II -Vocational subject: Plant Biotechnology) of Mahatma Gandhi University Kottayam, is a record of work carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585

Dr. Anju T R
Assistant Professor and Head
Department of Biotechnology
Newman College, Thodupuzha
Kerala – 685 585



Place: Thodupuzha

Date: 2-05-2023

DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

AN OVERVIEW OF BRYOPHYTES DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT

A Report submitted
in partial fulfilment of the requirement
for the degree of

BACHELOR OF SCIENCE

In

**BOTANY AND PLANT BIOTECHNOLOGY
MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

By

VISHNU SURENDRAN

(200021042566)

Under the guidance of

Dr. Saju Abraham

Asst. professor, Department of Botany and plant biotechnology

Newman college Thodupuzha

Vishnu
5/5/23



To the

**DEPARTMENT OF BOTANY AND PLANT BIOTECHNOLOGY
NEWMAN COLLEGE THODUPUZHA**

APRIL 2023

Vishnu
S. S. S. S.

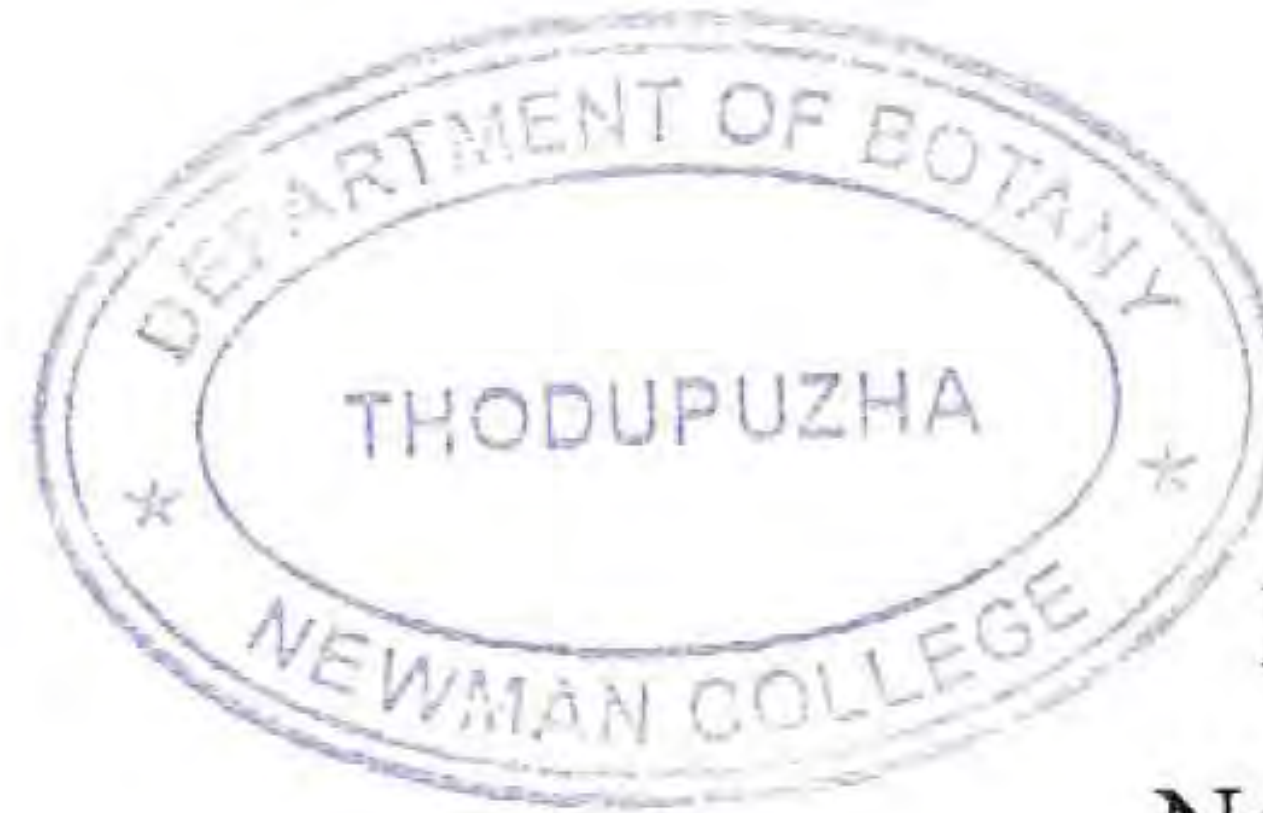


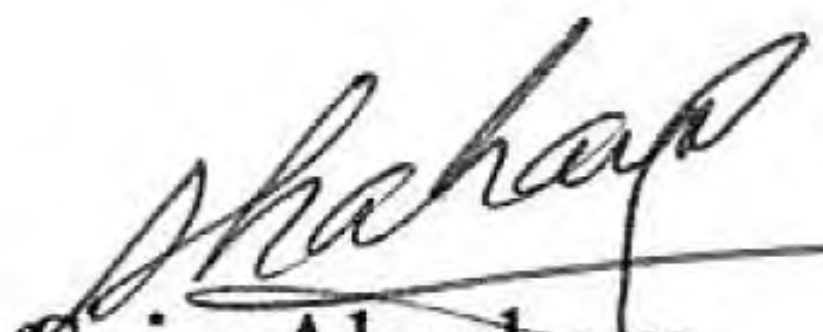
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**DEPARTMENT OF BOTANY & BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPZHA
NAAC ACCREDITED 'A' GRADE INSTITUTION
(AFFILIATED TO MAHATMAGANDHI UNIVERSITY, KOTTAYAM)**

CERTIFICATE

This is to certify that this project entitled the "AN OVERVIEW OF BRYOPHYTE DIVERSITY IN SELECTED AREAS OF IDUKKI DISTRICT" submitted by Mr **VISHNU SURENDRAN (200021042566)** for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II) Biotechnology of Mahatma Gandhi University Kottayam, is a record of research carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.




Dr. Saju Abraham

Assistant Professor

Head, Department of Botany
Newman College, Thodupuzha

Place: Thodupuzha

Date: 31.03.2023

**Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585**



DR. BHIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

**A STUDY ON THE ANTIMICROBIAL AND SEED GERMINATION
EFFECTS OF GREEN SYNTHESIZED SILVER NANOPARTICLES
USING *ALOE VERA***

**Thesis Submitted to Mahatma Gandhi University, Kottayam, Kerala in Partial
Fulfilment of the Requirement for the Degree of**

**B Sc. BOTANY (MODEL II)
VOCATIONAL SUBJECT: PLANT BIOTECHNOLOGY**

Submitted by: Vyshnavi Shaji

Reg no: 200021042567



**NEWMAN COLLEGE, THODUPUZHA
Affiliated to Mahatma Gandhi University**

Under the Guidance of

Dr. ANJU T R

Assistant Professor and Head, Department of Biotechnology

Newman College, Thodupuzha, 685 585

Kerala, India

2023

Valued
5/5/23

Valued
5/5/23



DEPARTMENT OF BOTANY & BIOTECHNOLOGY
NEWMAN COLLEGE, THODUPZHA
NAAC ACCREDITED 'A' GRADE INSTITUTION
(AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM)

CERTIFICATE

This is to certify that this thesis entitled 'A study on the antimicrobial and seed germination effects of Green synthesized Silver nanoparticles using Aloe vera' submitted by Ms. **Vyshnavi Shaji** (200021042567) for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Botany (Model II -Vocational subject: Plant Biotechnology) of Mahatma Gandhi University Kottayam, is a record of work carried by her during the period of her study in the Department of Botany and Biotechnology, Newman College, Thodupuzha.

Shalany
Head, Department of Botany
Newman College, Thodupuzha
Kerala, India-685585

DEPARTMENT OF BIOTECHNOLOGY
THODUPUZHA
PIN 685 585
NEWMAN COLLEGE

Anju T R

Dr. Anju T R
Assistant Professor and Head
Department of Biotechnology
Newman College, Thodupuzha
Kerala – 685 585

Place: Thodupuzha

Date: 2 - May - 2023

Dr. Bijimol Thomas

DR. BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA



DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE THODUPUZHA

CERTIFICATE

This is to certify that the thesis entitled "Heterogeneous catalysis- green initiative for aldol condensation of aldehydes and ketones" is an authentic record of the project work carried out by **Abhijith Jiji** under my supervision and guidance in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University, Kottayam. This work has not been submitted before for the award of any other degree or diploma of any other University or institute.

Prof. Biju Peter

Head of the Department of Chemistry

Newman College,

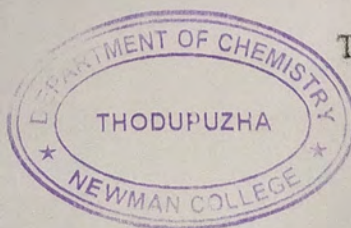
Thodupuzha

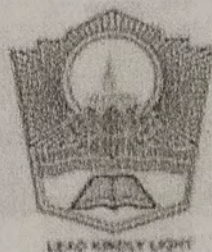
Dr. Rejoy Thomas

Department of Chemistry

Newman College,

Thodupuzha





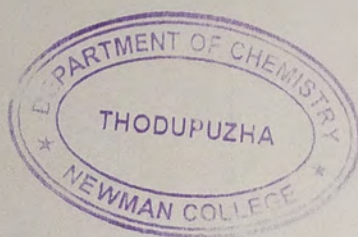
DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE THODUPUZHA

CERTIFICATE

This is to certify that the thesis entitled "Heterogeneous catalysis- green initiative for aldol condensation of aldehydes and ketones" is an authentic record of the project work carried out by **Abhinav Sivadas** under my supervision and guidance in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University, Kottayam. This work has not been submitted before for the award of any other degree or diploma of any other University or institute.

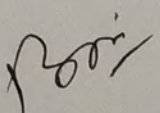
Prof. Biju Peter
Head of the Department of Chemistry
Newman College,
Thodupuzha

Dr. Bejoy Thomas
Department of Chemistry
Newman College,
Thodupuzha



CERTIFICATE

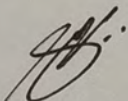
This is to certify that the project work entitled **GREEN SYNTHESIS OF IRON OXIDE NANOPARTICLES** is carried out by Afshana Jamal, Reg. No. 200021027664, during the academic year 2020 - 2023 is a benefited work done under our supervision and guidance in partial fulfilment of the requirement of the degree of BSc. Chemistry and this report has not been submitted for any other degree or diploma.


Prof. Biju Peter

Head of the Department

Department of Chemistry

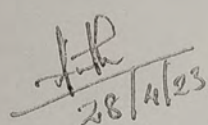
Newman College, Thodupuzha


Ms. Sona John

Assistant Professor

Department of Chemistry

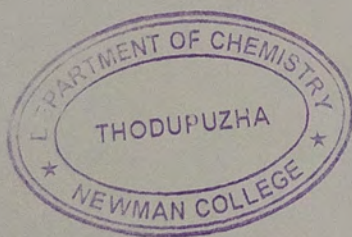
Newman College, Thodupuzha


Ms. Anitta Sajeev

Assistant Professor (on contract)

Department of Chemistry

Newman College, Thodupuzha





CERTIFICATE

This is to certify that fulfillment of the project work entitled
GREEN SYNTHESIS MOLYBDENUM OXIDE NANO PARTICLE is carried out by
Aiswarya K R (200021027665) during the academic year 2020 - 2023 is a benefited work done under my and guidance in partial of the requirement of the degree of BSc. Chemistry and this report have not been submitted for any other degree or diploma.

Ms Roshny Roy

Assistant professor (on contract)

Department of Chemistry

Newman college, Thodupuzha

Forwarded by,

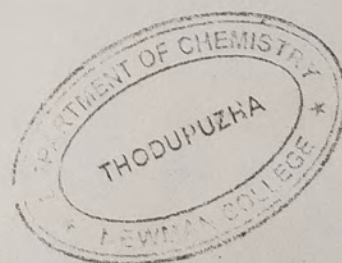
Prof Biju Peter

Head of the department

Newman college, Thodupuzha

Place: Thodupuzha

Date: 28/04/2023





CERTIFICATE

This is to certify that the project report entitled “**Physico-Chemical Characterisation of Water Quality Parameters of Selected Sites of Periyar in Western Ghats**” is an authentic record of the work carried out by **Alana Thomas** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

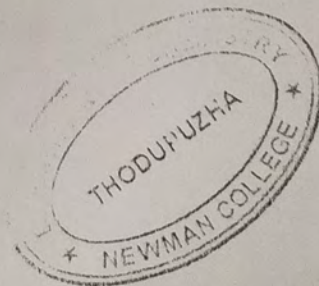
Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha

Place: Thodupuzha

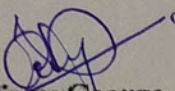
Date: 31.03.2023






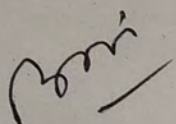
CERTIFICATE

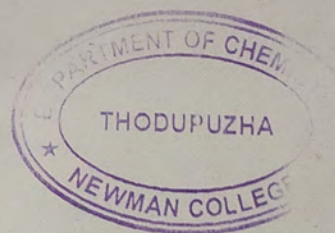
This is to certify that the project report entitled "Physico Chemical Studies on Soil Characteristics of Selected sites in Western Ghats" is an authentic record of the work carried out by **ALEENA SALIM** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.


Dr. Cincy George


for Dr. Jithin Joy

Forwarded by,


Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



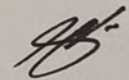
LEAD KINDLY LIGHT

Ms. Anju prince

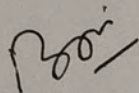
Assistant Professor (on contract)

CERTIFICATE

This is to certify that the project report entitled “**GREEN SYNTHESIS OF SILVER NANOPARTICLES USING PHYLLANTHUS EMBLICA**” is an authentic record of the work carried out by Mr. **Amal Prasad** under my guidance in the Undergraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.


for Ms. Anju Prince

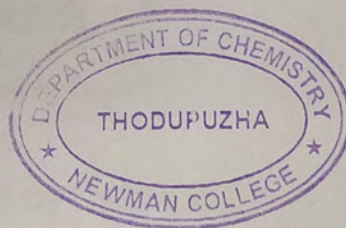
Forwarded by,



Prof. Biju peter

Head of the Department

Newman College, Thodupuzha



Place: Thodupuzha

Date: 25/04/2023



Certificate

This is to certify that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF INORGANIC PIGMENTS" is an authentic record of the work carried out by Ms. Ameena Hameed under my guidance in the Research and Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

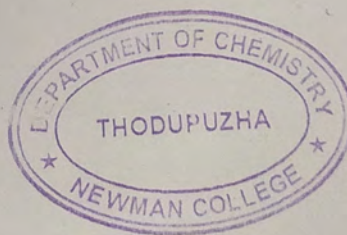
Amull
Dr. Anu Mary Joseph
Assistant Professor
Department of Chemistry
Newman College, Thodupuzha

Forwarded by,

Prof
Prof. Biju Peter
Head, Department of Chemistry
Newman College, Thodupuzha

Place: Thodupuzha

Date: 17.04.2023







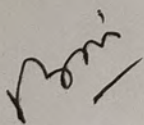
LEAD KINDLY LIGHT

CERTIFICATE

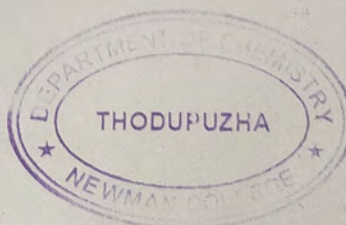
This is to certify that the project report entitled "Physico Chemical Studies on Soil Characteristics of Selected sites in Western Ghats" is an authentic record of the work carried out by Ameena Shairaj under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.


Dr. Cincy George


Dr. Jithin Joy


Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



CERTIFICATE

This is to certify that the project work entitled **GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES** is carried out by **Aminamol Basheer** (Reg. No. 200021027670), during the academic year 2020-2023 is a benefited work done under my supervision and guidance in partial fulfilment of the requirement of the degree of B Sc. Chemistry and this report has not been submitted for any other degree or diploma.

Prof. Biju Peter

Head of the Department

Department of Chemistry

Newman College, Thodupuzha.

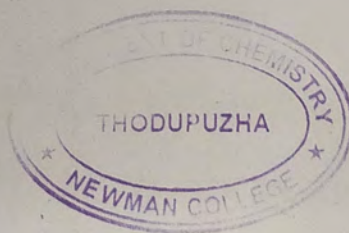
for

Miss. Aswathy K R

Assistant Professor (on contract)

Department of Chemistry

Newman College, Thodupuzha.

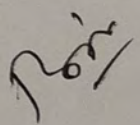


Place: Thodupuzha

Date: 25/01/2023

CERTIFICATE

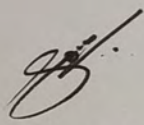
This is to certify that the project work entitled **GREEN SYNTHESIS OF IRON OXIDE NANOPARTICLES** is carried out by **Anaha Mano**, Reg. No. 200021027651, during the academic year 2020 - 2023 is a benefited work done under our supervision and guidance in partial fulfilment of the requirement of the degree of BSc. Chemistry and this report has not been submitted for any other degree or diploma.


Prof. Biju Peter

Head of the Department

Department of Chemistry

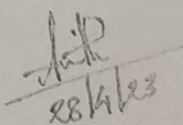
Newman College, Thodupuzha


Ms. Sona John

Assistant Professor

Department of Chemistry

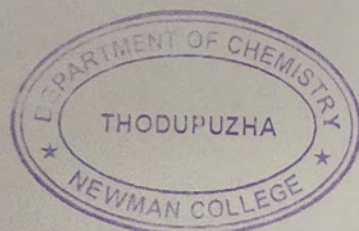
Newman College, Thodupuzha


Ms. Anitta Sajeev

Assistant Professor (on contract)

Department of Chemistry

Newman College, Thodupuzha



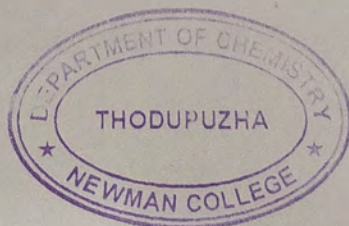


CERTIFICATE

This is to certify that fulfillment of the project work entitled **GREEN SYNTHESIS MOLYBDENUM OXIDE NANO PARTICLE** is carried out by **Anna Joshy (200021027652)** during the academic year 2020 - 2023 is a benefited work done under my and guidance in partial of the requirement of the degree of BSc. Chemistry and this report have not been submitted for any other degree or diploma.

for Ms. Roshny Roy *Rom*
Assistant professor (on contract)
Department of Chemistry
Newman college, Thodupuzha

Forwarded by,
Proff Biju Peter *Rom*
Head of the department
Newman college, Thodupuzha
Place: Thodupuzha
Date: 28/04/2023





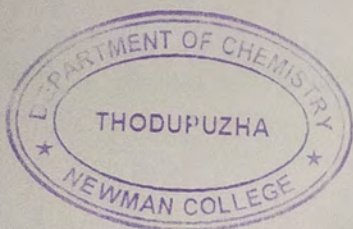
DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE THODUPUZHA

CERTIFICATE

This is to certify that the thesis entitled "Heterogeneous catalysis- green initiative for aldol condensation of aldehydes and ketones" is an authentic record of the project work carried out by Anu Ramachandran under my supervision and guidance in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University, Kottayam. This work has not been submitted before for the award of any other degree or diploma of any other University or institute.

Prof. Biju Peter
Head of the Department of Chemistry
Newman College,
Thodupuzha

Dr. Bejoy Thomas
Department of Chemistry
Newman College,
Thodupuzha



CERTIFICATE

This is to certify that the project work entitled GREEN SYNTHESIS OF IRON OXIDE NANOPARTICLES is carried out by Arya Unnikrishnan, Reg. No. 200021027672, during the academic year 2020 - 2023 is a benefited work done under our supervision and guidance in partial fulfilment of the requirement of the degree of BSc. Chemistry and this report has not been submitted for any other degree or diploma.

Prof. Biju Peter

Head of the Department

Department of Chemistry

Newman College, Thodupuzha

Ms. Sona John

Assistant Professor

Department of Chemistry

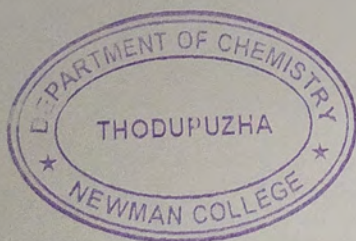
Newman College, Thodupuzha

Ms. Anitta Sajeev

Assistant Professor (on contract)

Department of Chemistry

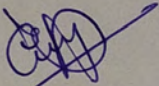
Newman College, Thodupuzha

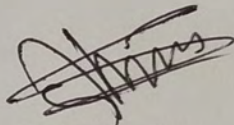




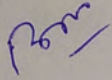
CERTIFICATE

This is to certify that the project report entitled “Study on Characteristics of Sediment of Selected sites of Periyar River in Western Ghats” is an authentic record of the work carried out by **ARYA VINEETH** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.


Dr. Cincy George

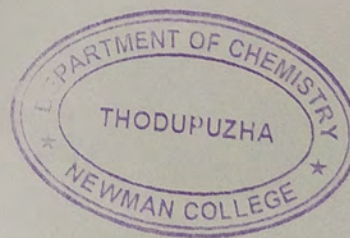

Dr. Jithin Joy

Forwarded by,


Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha

Place: Thodupuzha

Date: 31.03.2023





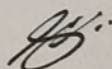
LEAD KINDLY LIGHT

Ms. Anju prince

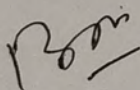
Assistant Professor (on contract)

CERTIFICATE

This is to certify that the project report entitled “**GREEN SYNTHESIS OF SILVER NANOPARTICLES USING PHYLLANTHUS EMBLICA**” is an authentic record of the work carried out by Mr. **Ashkar Faisal** under my guidance in the Undergraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

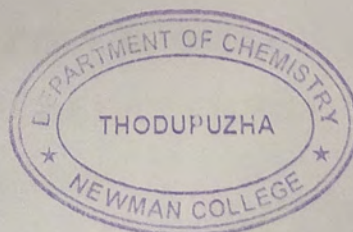

Ms. Anju Prince

Forwarded by,


Prof. Biju peter

Head of the Department

Newman College, Thodupuzha



Place: Thodupuzha

Date: 25/04/2023

2020-2023



CERTIFICATE

This is to certify that the project report entitled "**Physico Chemical Studies on Soil Characteristics of Selected sites in Western Ghats**" is an authentic record of the work carried out by **ASWIN K S** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

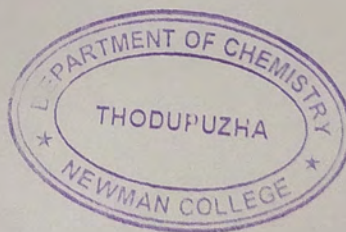
Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter

Head of the Department

Newman College, Thodupuzha

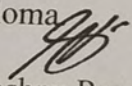


Place: Thodupuzha



CERTIFICATE

This is to certify that fulfillment of the project work entitled **GREEN SYNTHESIS MOLYBDENUM OXIDE NANO PARTICLE** is carried out by **Aswin T Jayaram** (200021027675) during the academic year 2020 - 2023 is a benefited work done under my and guidance in partial of the requirement of the degree of BSc. Chemistry and this report have not been submitted for any other degree or diploma

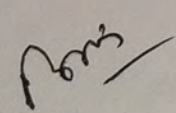

Ms. Roshny Roy

Assistant professor (on contract)

Department of Chemistry

Newman college, Thodupuzha

Forwarded by,

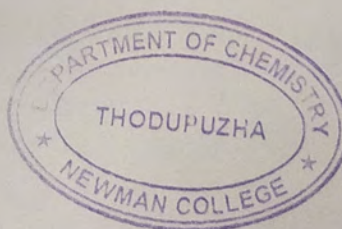

Proff Biju Peter

Head of the department

Newman college, Thodupuzha

Place: Thodupuzha

Date: 28/04/2023





CERTIFICATE

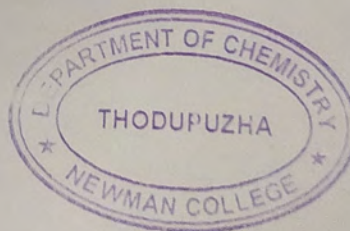
This is to certify that the project report entitled "Study on Characteristics of Sediment of Selected sites of Periyar River in Western Ghats" is an authentic record of the work carried out by **BISMIYA UMMER** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



LEAD KINDLY LIGHT

CERTIFICATE

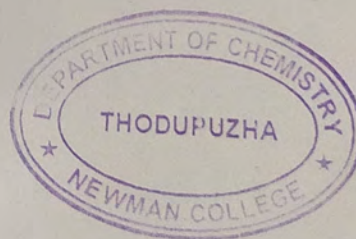
This is to certify that the project report entitled "Physico Chemical Studies on Soil Characteristics of Selected sites in Western Ghats" is an authentic record of the work carried out by **FARZEENA ASHRAF** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



LEAD KINDLY LIGHT

Ms. Anju prince

Assistant Professor (on contract)

CERTIFICATE

This is to certify that the project report entitled “**GREEN SYNTHESIS OF SILVER NANOPARTICLES USING PHYLLANTHUS EMBLICA**” is an authentic record of the work carried out by Ms. **Fathima Hameed** under my guidance in the Undergraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

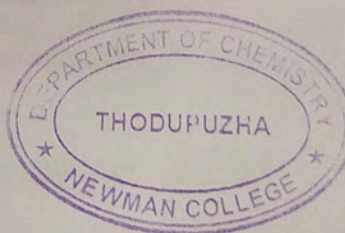
Anju
25/04/23
Ms. Anju Prince

Forwarded by,

Biju
Prof. Biju peter

Head of the Department

Newman College, Thodupuzha



Place: Thodupuzha

Date: 25/04/2023

Department of Chemistry, Newman College, Thodupuzha



CERTIFICATE

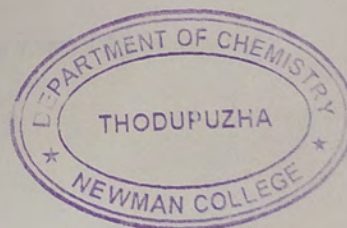
This is to certify that the project report entitled "Study on Characteristics of Sediment of Selected sites of Periyar River in Western Ghats" is an authentic record of the work carried out by **FATHIMA SAJANA** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



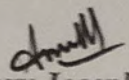
Place: Thodupuzha

Date: 31.03.2023

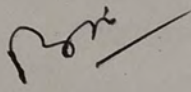


Certificate

This is to certify that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF INORGANIC PIGMENTS" is an authentic record of the work carried out by Ms. Femi Francis under my guidance in the Research and Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

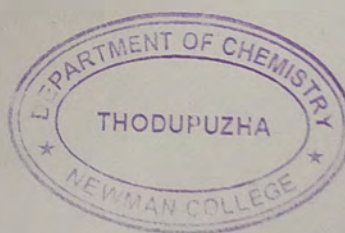

Dr. Anu Mary Joseph
Assistant Professor
Department of Chemistry
Newman College, Thodupuzha

Forwarded by,


Prof. Biju Peter
Head, Department of Chemistry
Newman College, Thodupuzha

Place: Thodupuzha

Date: 17.04.2023



GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES



CERTIFICATE

This is to certify that the project work entitled **GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES** is carried out by **Hariharan P** (Reg. No. 200021027678), during the academic year 2020-2023 is a benefited work done under my supervision and guidance in partial fulfilment of the requirement of the degree of B Sc.Chemistry and this report has not been submitted for any other degree or diploma.

Prof. Biju Peter

Head of the Department

Department of Chemistry

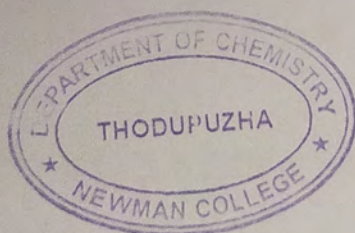
Newman College, Thodupuzha.

Miss. Aswathy K R

Assistant Professor (on contract)

Department of Chemistry

Newman College, Thodupuzha.



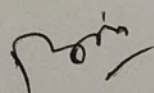
Place: Thodupuzha

Date:25/01/2023

CERTIFICATE

This is to certify that the project work entitled **GREEN SYNTHESIS OF IRON OXIDE NANOPARTICLES** is carried out by **Jyothika Venu**, Reg. No. 200021027680, during the academic year 2020 - 2023 is a benefited work done under our supervision and guidance in partial fulfilment of the requirement of the degree of BSc. Chemistry and this report has not been submitted for any other degree or diploma.

Prof. Biju Peter

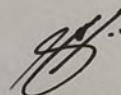


Head of the Department

Department of Chemistry

Newman College, Thodupuzha

Ms. Sona John

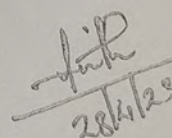


Assistant Professor

Department of Chemistry

Newman College, Thodupuzha

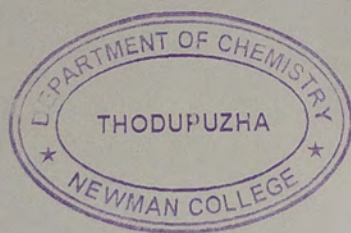
Ms. Anitta Sajeev



Assistant Professor (on contract)

Department of Chemistry

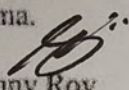
Newman College, Thodupuzha





CERTIFICATE

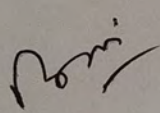
This is to certify that fulfillment of the project work entitled **GREEN SYNTHESIS MOLYBDENUM OXIDE NANO PARTICLE** is carried out by **Keerthana E B (200021027681)** during the academic year 2020 - 2023 is a benefited work done under my and guidance in partial of the requirement of the degree of BSc. Chemistry and this report have not been submitted for any other degree or diploma.


Ms. Roshny Roy

Assistant professor (on contract)

Department of Chemistry

Newman college, Thodupuzha


Forwarded by,

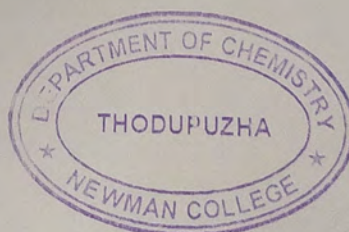
Proff Biju Peter

Head of the department

Newman college, Thodupuzha

Place: Thodupuzha

Date:28/04/2023





LEAD KINDLY LIGHT

Ms. Anju prince

Assistant Professor (on contract)

CERTIFICATE

This is to certify that the project report entitled “**GREEN SYNTHESIS OF SILVER NANOPARTICLES USING PHYLLANTHUS EMBLICA**” is an authentic record of the work carried out by Ms. **Krishnapriya P** under my guidance in the Undergraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

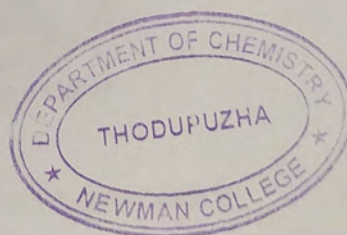
Anju
28/04/23
Ms. Anju Prince

Forwarded by,

Bjp
Prof. Biju peter

Head of the Department

Newman College, Thodupuzha



Place: Thodupuzha

Date: 25/04/2023



CERTIFICATE

This is to certify that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF INORGANIC PIGMENTS" is an authentic record of the work carried out by **Ms LIBINA VARKEY** under my guidance in the Research and Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

Anu M J
Dr. Anu Mary Joseph

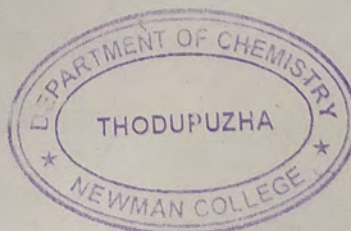
Assistant Professor
Department of Chemistry
Newman College, Thodupuzha

Biju
Forwarded by,

Prof. Biju Peter
Head, Department of Chemistry
Newman College, Thodupuzha

Place: Thodupuzha

Date: 17.04.2023





CERTIFICATE

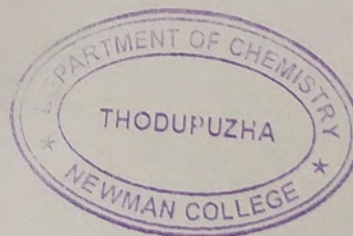
This is to certify that the project report entitled “**Study on Characteristics of Sediment of Selected sites of Periyar River in Western Ghats**” is an authentic record of the work carried out by **MIDHUN PAUL VARGHESE** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



Certificate

This is to certify that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF INORGANIC PIGMENTS" is an authentic record of the work carried out by Ms. NOWRIN NAVAS under my guidance in the Research and Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma.

Anu

Dr. Anu Mary Joseph

Assistant Professor

Department of Chemistry

Newman College, Thodupuzha

[Handwritten signature]

Forwarded by,

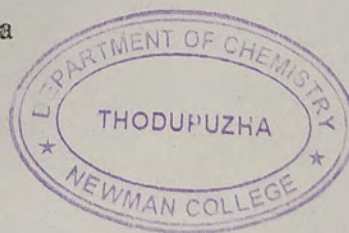
Prof. Biju Peter

Head, Department of Chemistry

Newman College, Thodupuzha

Place: Thodupuzha

Date: 17.04.2023





CERTIFICATE

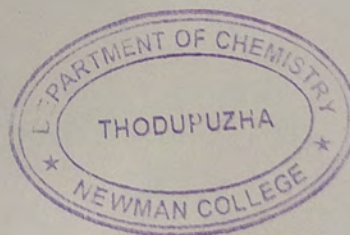
This is to certify that the project report entitled “**Physico-Chemical Characterisation of Water Quality Parameters of Selected Sites of Periyar in Western Ghats**” is an authentic record of the work carried out by **Safvana Fathima** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Cincy George

Dr. Jithin Joy

Forwarded by,

Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



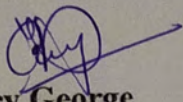
Place: Thodupuzha

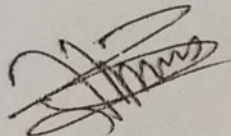
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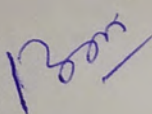
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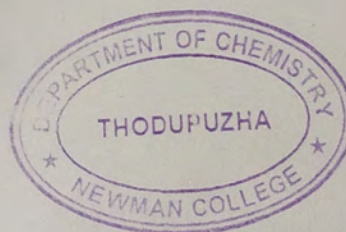
This is to certify that the project report entitled “**Physico-Chemical Characterisation of Water Quality Parameters of Selected Sites of Periyar in Western Ghats**” is an authentic record of the work carried out by **Shahana V N** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.


Dr. Cincy George


Dr. Jithin Joy

Forwarded by,


Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



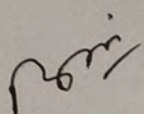
CERTIFICATE

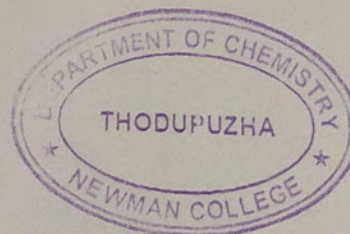
This is to certify that the project report entitled "Physico-Chemical Characterisation of Water Quality Parameters of Selected Sites of Periyar in Western Ghats" is an authentic record of the work carried out by **Shoun paul** under our guidance in the Postgraduate Department of Chemistry, Newman College, Thodupuzha. The project work presented here has not been reported for any other Degree or Diploma earlier.

Dr. Ciney George

Dr. Jithin Joy

Forwarded by,


Prof. Biju Peter
Head of the Department
Newman College, Thodupuzha



Place: Thodupuzha

Date: 31.03.2023



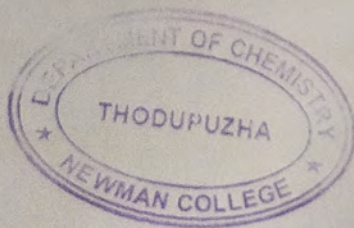
DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE THODUPUZHA

CERTIFICATE

This is to certify that the thesis entitled "*Heterogeneous catalysis- green initiative for aldol condensation of aldehydes and ketones*" is an authentic record of the project work carried out by **Snehamol Sahajan** under my supervision and guidance in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University, Kottayam. This work has not been submitted before for the award of any other degree or diploma of any other University or institute.

Prof. Biju Peter
Head of the Department of Chemistry
Newman College,
Thodupuzha

Dr. Bejoy Thomas
Department of Chemistry
Newman College,
Thodupuzha



GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES



CERTIFICATE

This is to certify that the project work entitled **GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES** is carried out by **Sreelakshmi C** (Reg. No. 200021027662), during the academic year 2020-2023 is a benefited work done under my supervision and guidance in partial fulfilment of the requirement of the degree of B Sc.Chemistry and this report has not been submitted for any other degree or diploma.

Prof. Biju Peter

Head of the Department

Department of Chemistry

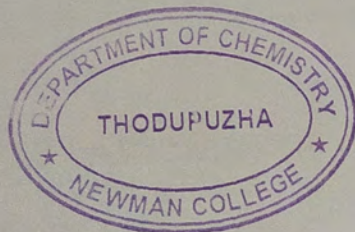
Newman College, Thodupuzha.

Miss. Aswathy K R

Assistant Professor (on contract)

Department of Chemistry

Newman College, Thodupuzha.



Place: Thodupuzha

Date: 25/01/2023



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled **GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES** is carried out by **Sreeraj N R** (Reg. No. 200021027685), during the academic year 2020-2023 is a benefited work done under my supervision and guidance in partial fulfilment of the requirement of the degree of B Sc. Chemistry and this report has not been submitted for any other degree or diploma.

Prof. Biju Peter

Head of the Department

Department of Chemistry

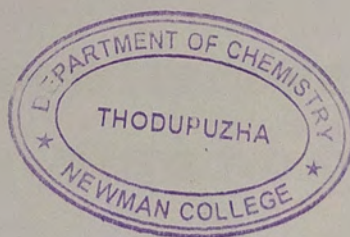
Newman College, Thodupuzha.

Miss. Aswathy K R

Assistant Professor (on contract)

Department of Chemistry

Newman College, Thodupuzha.



Place: Thodupuzha

Date: 25/01/2023

DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE, THODUPUZHA



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CERTIFICATE

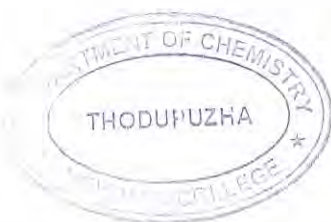
This is to certify that the project work entitled “Extraction and characterisation studies of Nanocellulose from *Grewia tiliifolia* plant barks” done by **Abhiya Varghese** (Reg No: 200011011235) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Cintil J Chirayil

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis and characterization of nanocellulose from agro-waste sources” done by **Agnus George** (Reg No: 200011011236) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Dr. Bejoy Thomas

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis characterisation and heavy metal adsorption studies of metal organic frameworks” done by **Alex George** (Reg No: 200011011237) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Smt. Sona John

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis, characterization and antibacterial application of ZnO/GO nanocomposite” done by **Amalna C H** (Reg No: 200011011238) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Dr.Cincy George

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Studying the electrochemical activity of MoS_2 and its composites” done by **Anagha Radhakrishnan** (Reg No: 200011011239) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Alex Joseph

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Morphological analysis of nano-cellulose from the stem of *Eletaria cardamomum*” done by **Annu Jorly** (Reg No: 200011011240) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Cintil Jose

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Fabrication of nanochitin fibre from shells of crustaceans and it's characterisation” done by **Anusree P R** (Reg No: 200011011241) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Jithin Joy

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis and characterisation of aspirin and its metal complex” done by **Ashna Benny** (Reg No: 200011011242) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Anu Mary Joseph

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis and characterization of poly(naphthalene) graphene oxide nanocomposite modified carbon paste electrode for enzyme less electrochemical sensing of dopamine” done by **Aswal V G** (Reg No: 20011011243) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Alex Joseph

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis and characterization of nanocellulose from agro-waste sources” done by **Linus Jojo** (Reg No: 200011011244) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Dr. Bejoy Thomas

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis characterisation and heavy metal adsorption studies of metal organic frameworks” done by **Najumunissa P.S.** (Reg No: 200011011245) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Smt. Sona John

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Antibacterial activity of graphene/silver nanocomposites” done by **Riswana A A** (Reg No: 200011011246) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Dr.Cincy George

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis And Characterization of Zinc Tungstate/ Reduced Graphene Oxide Composite” done by **Silpa Francy** (Reg No: 200011011247) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Alex Joseph

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Thermal and crystallinity studies of Nanocellulose from the stem of *Eletaria cardamomum*” done by **Snehamol Jipson** (Reg No: 200011011248) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Cintil Jose

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



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NEWMAN COLLEGE, THODUPUZHA



CERTIFICATE

This is to certify that the project work entitled “Stabilisation of Cu NPs using biomass derived starch NPs for the catalytic reduction of aromatic nitro compounds” done by **Sofiya Babu** (Reg No: 200011011249) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Bejoy Thomas

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis and characterisation of aspirin and its metal complex” done by **Swathy Krishna S** (Reg No: 200011011250) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.

Dr. Anu Mary Joseph

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha



DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “Synthesis and characterization of nanocellulose from agro-waste sources” done by **Teena Elizabeth Tom** (Reg No: 200011011251) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.

Dr. Bejoy Thomas

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha

Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.



DEPARTMENT OF CHEMISTRY
NEWMAN COLLEGE, THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled "Synthesis characterisation and heavy metal adsorption studies of metal organic frameworks" done by **Treesa Raju** (Reg No: 200011011252) during the academic year 2021-22, submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the MSc Chemistry Degree, is a bonafide work done under my supervision and guidance and no part of this work has been presented before for any other degrees.



Sri. Biju Peter

Associate Professor & Head of the Department,
Department of Chemistry,
Newman College, Thodupuzha.



Smt. Sona John

Assistant Professor &
Supervising Lecturer
Department of Chemistry
Newman College,
Thodupuzha

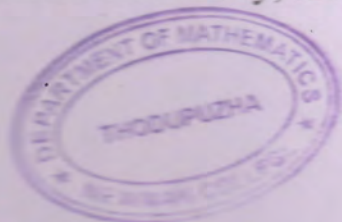


Smt. Nancy Jacob
Associate Professor
Department of Mathematics
Newman College, Thodupuzha



CERTIFICATE

This is to certify that the project work titled “**GRAPH COLORING**” is a bonafide piece of work done by, **AISWARYA G** (Reg.no:200021034858), **BISMI BOBY** (Reg.no:200021034867), **NANDAN T AJI** (Reg.no: 200021034877) **BEEMA NAZAR** (Reg.no:200021034886), Newman College, Thodupuzha under the supervision and guidance of **Mrs. Dary John**, Assistant professor, Department of Mathematics, Newman College, Thodupuzha on partial fulfillment for the award of Bachelor’s Degree in Mathematics, Mahatma Gandhi University, Kottayam.



Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 2/05/22

Valued

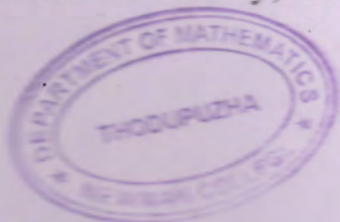
Dr. Sabini S Nair

Smt. Nancy Jacob
Associate Professor
Department of Mathematics
Newman College, Thodupuzha



CERTIFICATE

This is to certify that the project work titled “**GRAPH COLORING**” is a bonafide piece of work done by, **AISWARYA G** (Reg.no:200021034858), **BISMI BOBY** (Reg.no:200021034867), **NANDAN T AJI** (Reg.no: 200021034877) **BEEMA NAZAR** (Reg.no:200021034886), Newman College, Thodupuzha under the supervision and guidance of **Mrs. Dary John**, Assistant professor, Department of Mathematics, Newman College, Thodupuzha on partial fulfillment for the award of Bachelor’s Degree in Mathematics, Mahatma Gandhi University, Kottayam.



Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 2/05/22

Valued

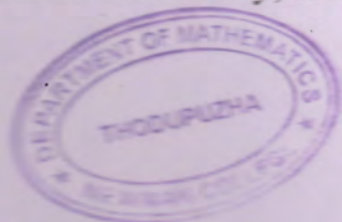
Dr. Sabini S Nair

Smt. Nancy Jacob
Associate Professor
Department of Mathematics
Newman College, Thodupuzha



CERTIFICATE

This is to certify that the project work titled “**GRAPH COLORING**” is a bonafide piece of work done by, **AISWARYA G** (Reg.no:200021034858), **BISMI BOBY** (Reg.no:200021034867), **NANDAN T AJI** (Reg.no: 200021034877) **BEEMA NAZAR** (Reg.no:200021034886), Newman College, Thodupuzha under the supervision and guidance of **Mrs. Dary John**, Assistant professor, Department of Mathematics, Newman College, Thodupuzha on partial fulfillment for the award of Bachelor’s Degree in Mathematics, Mahatma Gandhi University, Kottayam.



Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Valued

Place: Thodupuzha

Date: 2/05/22

Dr. Sabini S Nave

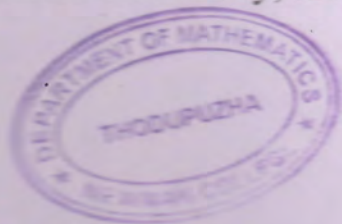
[Signature]

Smt. Nancy Jacob
Associate Professor
Department of Mathematics
Newman College, Thodupuzha



CERTIFICATE

This is to certify that the project work titled “**GRAPH COLORING**” is a bonafide piece of work done by, **AISWARYA G** (Reg.no:200021034858), **BISMI BOBY** (Reg.no:200021034867), **NANDAN T AJI** (Reg.no: 200021034877) **BEEMA NAZAR** (Reg.no:200021034886), Newman College, Thodupuzha under the supervision and guidance of **Mrs. Dary John**, Assistant professor, Department of Mathematics, Newman College, Thodupuzha on partial fulfillment for the award of Bachelor’s Degree in Mathematics, Mahatma Gandhi University, Kottayam.



Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 2/05/22

Valued

Dr. Sabini S Nair

[Signature]

Smt. Nancy Jacob

Associate Professor

Department of Mathematics

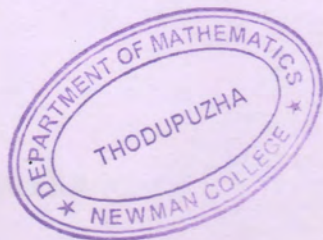
Newman College, Thodupuzha



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work titled "QUEUING THEORY" is a bonafide piece of work done by, **ANEEJA ASSIS** (Reg. No. 200021034861), **ELIZABETH SUNNY** (Reg. No. 200021034870), **ALEENA SHAJI** (Reg. No. 200021034880), **NITHYA SUSAN REJI** (Reg. No. 200021034888) Newman College, Thodupuzha under the supervision and guidance of Ms. **DARY JOHN**, Assistant Professor on Contract, Department of Mathematics, Newman College, Thodupuzha on partial fulfilment for the award of Bachelor's Degree in Mathematics, Mahatma Gandhi University, Kottayam.



Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 02-05-23

Valued

Dr. Salini S. Nair

John

Smt. Nancy Jacob

Associate Professor

Department of Mathematics

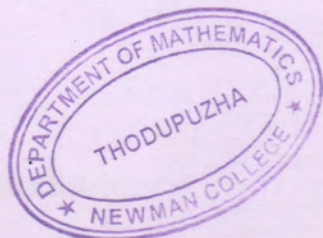
Newman College, Thodupuzha



LEAD KINDLY LIGHT

CERTIFICATE

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Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 02-05-23

Valued

Dr. Salini S. Nair

John

Smt. Nancy Jacob

Associate Professor

Department of Mathematics

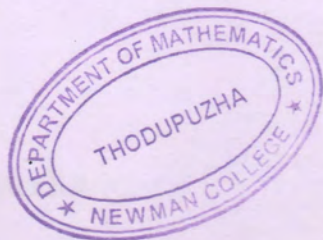
Newman College, Thodupuzha



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Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 02-05-23

Valued

Dr. Salini S. Nair

John

Smt. Nancy Jacob

Associate Professor

Department of Mathematics

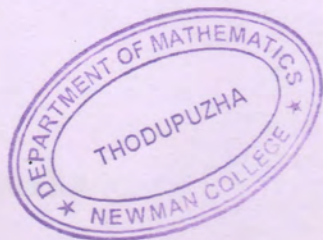
Newman College, Thodupuzha



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Nancy Jacob
Smt. Nancy Jacob

Head of the Department

Place: Thodupuzha

Date: 02-05-23

Valued

Dr. Salini S. Nair

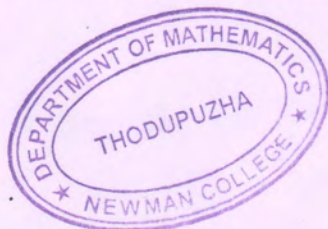
John

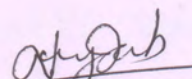
Mrs. Nancy Jacob
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Mrs. Nancy Jacob

Head of the Department

Place: Thodupuzha

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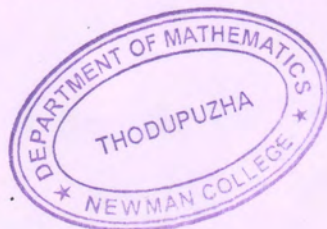
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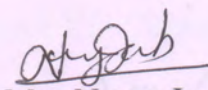
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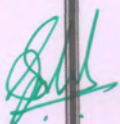

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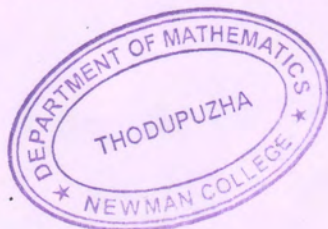
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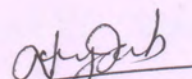
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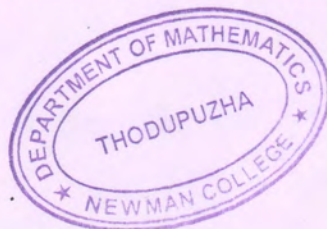
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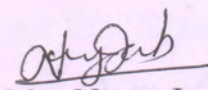
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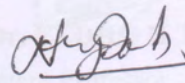
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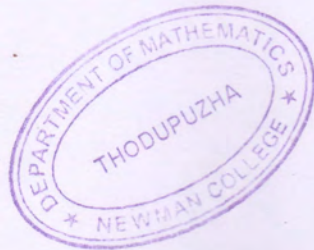


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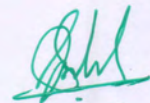
Department of Mathematics

Newman College, Thodupuzha



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Dr. Sabini S. Nari



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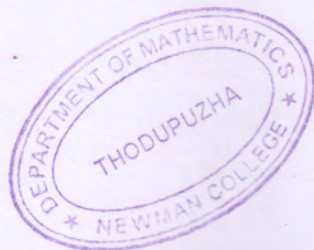
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Department of Mathematics

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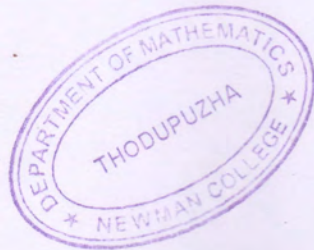
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Ms. Nancy Jacob

Associate Professor & H.o.D

Department of Mathematics

Newman College, Thodupuzha

Valued

Dr. Sabini S. Nari

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NEWMAN COLLEGE THODUPUZHA

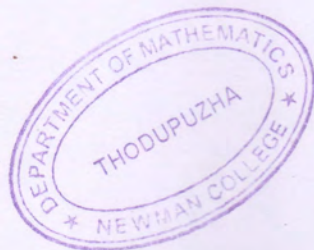
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Newman College, Thodupuzha

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Mrs. Nancy Jacob
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Ms. Nancy Jacob

Head of the department

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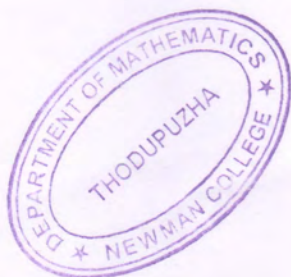
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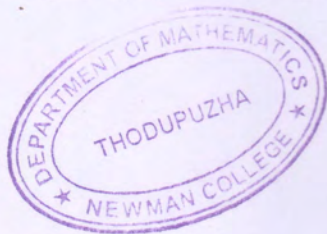
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Dr. Salini S. Nari

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Nancy Jacob

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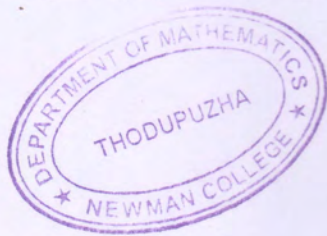
Dr. Salini S. Nair *[Signature]*

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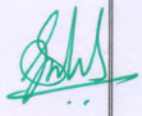
Nancy Jacob

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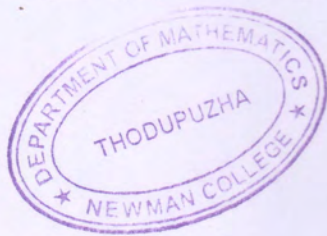
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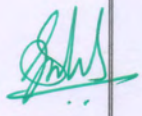
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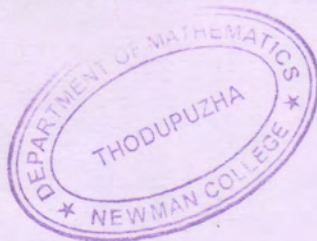
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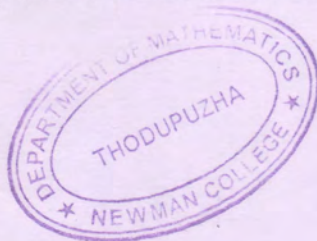
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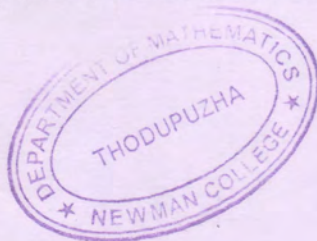
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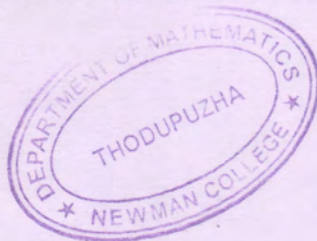
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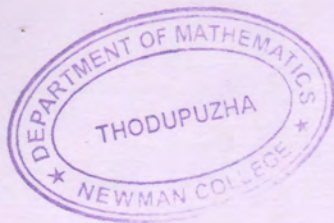
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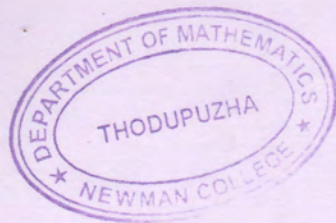
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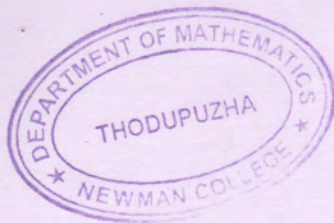
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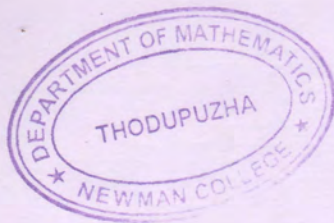
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Mrs. NANCY JACOB

Associate Professor

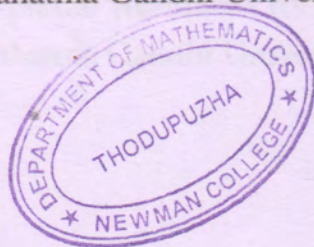
Department of Mathematics

Newman College, Thodupuzha



CERTIFICATE

This is to certify that the project work titled "CATALAN NUMBERS" is a bonafide piece of work done by **ATHULRAJ P.S** (Reg No. 200021034864), **HARIPRIYA BABU** (Reg. No.200021034874), **ANNMARY CHACKO** (Reg. No. 200021034883) , **SANDHRA THOMAS** (Reg . No. 200021034891), Newman College Thodupuzha under the supervision and guidance of **Ms. PREETHA JOSE**, Assistant Professor, Department of Mathematics, Newman College, Thodupuzha on partial fulfilment for the award of Bachelor's Degree in Mathematics, Mahatma Gandhi University, Kottayam.



Mrs. NANCY JACOB

Head of the department

Valued

Place:Thodupuzha

Dr. Saloni S Nair

Date: 25-04-2023

Mrs. NANCY JACOB

Associate Professor

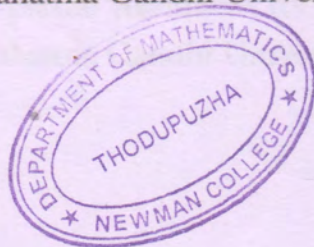
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Place:Thodupuzha

Dr. Saloni S Nair

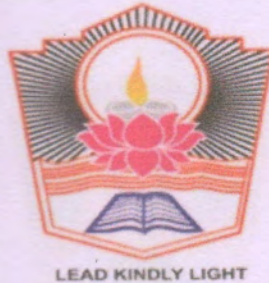
Date: 25-04-2023

Mrs. NANCY JACOB

Associate Professor

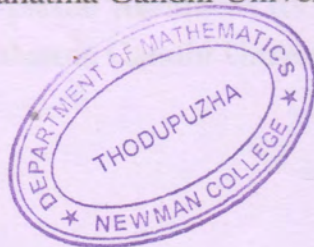
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Head of the department

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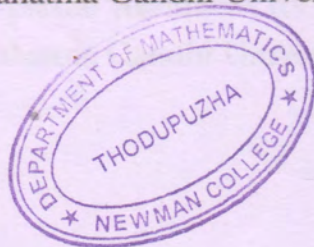
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Mrs. NANCY JACOB

Head of the department

Valued

Place:Thodupuzha

Dr. Saloni S Nair

Date: 25-04-2023

MAHATMA GANDHI UNIVERSITY

MASTERS THESIS

Domination in Graphs

Author:

Alan Maria Benny

Supervising Teacher:

Prof. Nancy Jacob
(HEAD OF THE DEPARTMENT)

A thesis submitted in fulfillment of the requirements

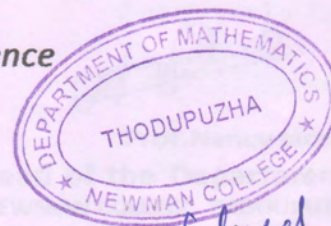
for the degree of Master of Science

in

Mathematics

to the

**Department of Mathematics
Newman College, Thodupuzha
Mahatma Gandhi University
Kottayam, Kerala
2020-2022**



*Valmuel
L Reddy*

22/09/22

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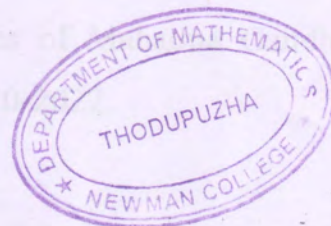


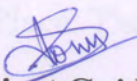
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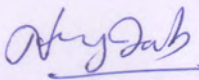
This is to certify that the work entitled "A STUDY OF DISTANCES IN GRAPH THEORY" is a bona fide record of the work done by **ALPHONSA GEORGE** (Reg. No. : 200011015581), in partial fulfilment of the requirement for the award of Masters Degree in Mathematics from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.


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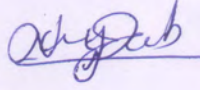
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External
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Examiners
Nancy Jacob 
Dr. Fr. Eldho K. Thomas

NEWMAN COLLEGE, THODUPUZHA

(Affiliated to Mahatma Gandhi University, Kottayam, Kerala)



CERTIFICATE

This is to certify that the work entitled "MATROIDS" is a bona fide record of the work done by **ANJALY M** (Reg. No: 200011015582), in partial fulfillment of the requirement for the award of **Masters Degree in Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

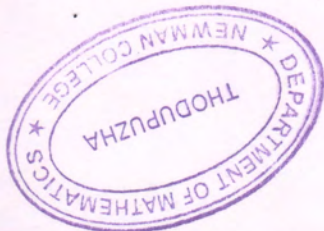
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22-09-22

Dary John
Project Guide

Amy Jacob
Head of the Department

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External Examiners



NEWMAN COLLEGE THODUPUZHA
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CERTIFICATE

This is to certify that the work entitled “ **APPLICATIONS OF DIFFERENTIAL EQUATIONS ON MATHEMATICAL MODELLING** ” is a bonafide record of the work done by **ANN THERES PAUL** (Reg. No. : **200011015583**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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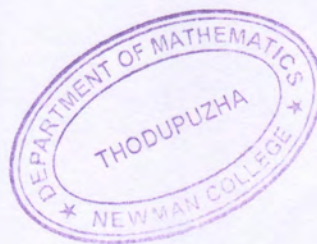
.....22/9/2022.....

Dary John
Project Guide

Amy Dub
Head of The Department

[Signature]
External Examiners

Valued



Smt. Nancy Jacob

NEWMAN COLLEGE THODUPUZHA

(Affiliated to Mahatma Gandhi University Kottayam, Kerala)

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LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the work entitled “ **COMPUTATIONAL GEOMETRY : AN ALGORITHM AND ITS APPLICATION** ” is a bona fide record of the work done by **ANNA MARIA SOY** (Reg. No. : **200011015584**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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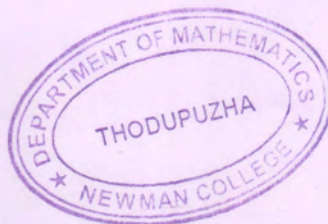
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Valued

Smt. NANCY JACOB, M.Sc., ALFAB, B.Ed.
Associate Professor
Head of the Department of Mathematics
Newman College, Thodupuzha

A STUDY ON FUZZY GRAPHS

*Dissertation submitted in partial fulfillment of the
requirements for the award of*

MASTERS DEGREE IN MATHEMATICS

of

Mahatma Gandhi University

Kottayam, Kerala

submitted by

Annmariya Babu

Reg.No. : 200011015585

Under the guidance of

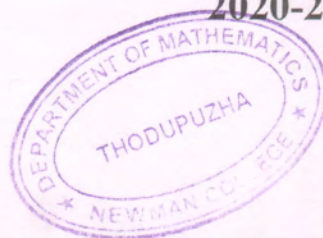
Dr. Sona Jose



Department of Mathematics

Newman College, Thodupuzha.

2020-2022



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This is to certify that the work entitled “ **TENSOR ANALYSIS** ” is a bonafide record of the work done by **ANU JOSE** (Reg. No: **200011015586**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic year 2020-2022.

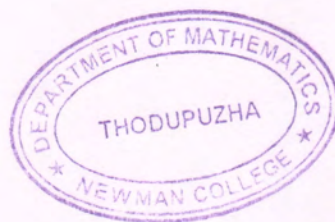
VIVA-VOCE EXAMINATION HELD ON

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Nancy Jacob
Project Guide

Anu Jose
Head of The Department

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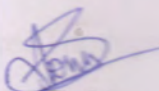


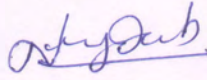
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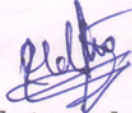
This is to certify that the work entitled “**ADDITIVE NUMBER THEORY**” is a bona fide record of the work done by **ANUPRIYA M S** (Reg. No: **200011015587**), in partial fulfilment of the requirement for the award of **Masters Degree in Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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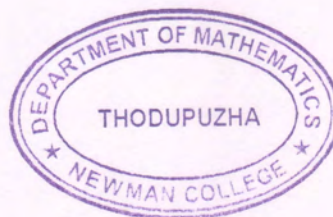
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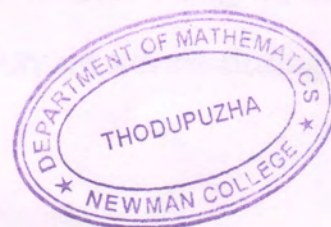
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This is to certify that the work entitled "GRAPH COLORINGS" is a bonafide record of the work done by **ARYA S** (Reg. No: 200011015588), in partial fulfillment of the requirement for the award of **Master's Degree in Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.



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22-09-22

Dr. Sona Jose
Project Guide

[Signature]
Head of the Department

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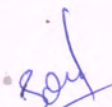


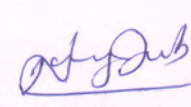
CERTIFICATE

This is to certify that the work entitled “ **SPECIAL FUNCTIONS**” is a bona fide record of the work done by **ASHNA K ASHRAF** (Reg. No. : **200011015589**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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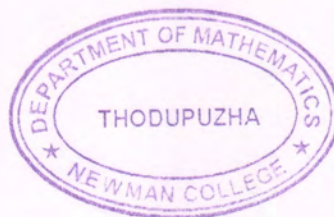
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This is to certify that the work entitled "THE GENERAL POSITION PROBLEM IN GRAPH THEORY" is a bona fide record of the work done by **AVANI T. S** under the supervision and guidance of **Fr.Dr. Eldho K Thomas**, Department Of Mathematics Newman College in partial fulfillment for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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22-09-22

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Place: Thodupuzha

Date: 22-09-22

NEWMAN COLLEGE THODUPUZHA
(Affiliated to Mahatma Gandhi University Kottayam, Kerala)



CERTIFICATE

This is to certify that the work entitled “ A STUDY ON SEMIGRAPHS ” is a bona fide record of the work done by **BIGI GEORGE** (Reg. No. : 200011015591), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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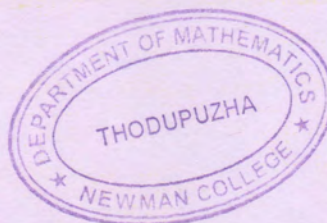
22-09-22 .

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Nancy Jacob

Head of The Department

External Examiners



NEWMAN COLLEGE THODUPUZHA

(Affiliated to Mahatma Gandhi University Kottayam, Kerala)

Associate Professor
Department Of Mathematics
Newman College, Thodupuzha



CERTIFICATE

This is to certify that the work entitled “ **KNESER GRAPH** ” is a bonafide record of the work done by **DEVIKA K A** (Reg. No: **200011015592**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic year 2020-2022.

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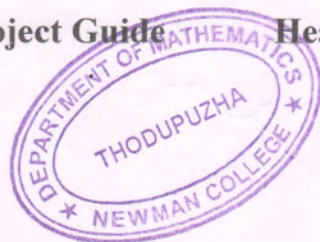
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NEWMAN COLLEGE THODUPUZHA

(Affiliated to Mahatma Gandhi University Kottayam, Kerala)

Associate professor

Department of Mathematics

Newman College, Thodupuzha



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This is to certify that the work entitled "PERFECT GRAPH" is a bona fide record of the work done by **ELSA MARIYA SEBASTIAN** (Reg. No: 200011015593), in partial fulfilment of the requirement for the award of **Masters Degree in Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

VIVA-VOCE EXAMINATION HELD ON

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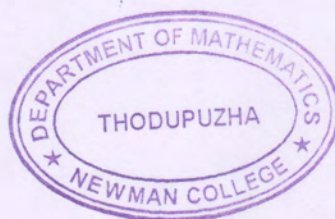
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Date:



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This is to certify that the work entitled, “ **A STUDY ON CRYPTOGRAPHY**” is a bonafide record of the work done by **HARSHA BIJU** (Reg. No. : **200011015594**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

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22-09-22

Dary John

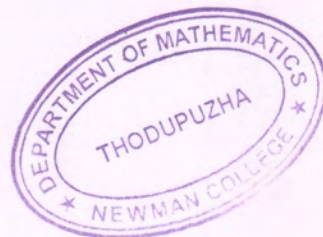
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Abhishek

Head of The Department

Leelitha

**External
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(Affiliated to Mahatma Gandhi University Kottayam, Kerala)

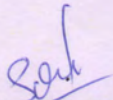


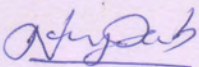
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This is to certify that the work entitled “ **A STUDY ON DIFFERENT CENTRAL PARTS OF TREES AND THEIR PAIRWISE DISTANCES**” is a bonafide record of the work done by **JITHUMOL THANKACHAN** (Reg. No. : 200011015595), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

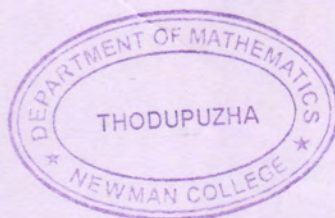
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NEWMAN COLLEGE THODUPUZHA

(Affiliated to Mahatma Gandhi University Kottayam, Kerala)

Associate professor

Department of Mathematics

Newman College,

Thodupuzha



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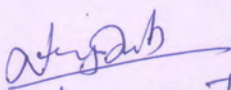
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This is to certify that the work entitled "AN INTRODUCTION TO HYPERGRAPHS" is a bonafide record of the work done by **NAINU IRINE JOSE** (Reg. No: 200011015596), in partial fulfilment of the requirement for the award of **Masters Degree in Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

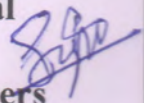
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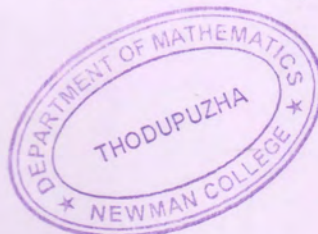
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Nancy Jacob
Head of the Department


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This is to certify that the work entitled “ **LATTICE THEORY**” is a bonafide record of the work done by **SREELEKSHMI NV** (Reg. No. : **200011015597**), in partial fulfilment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic session 2020-2022.

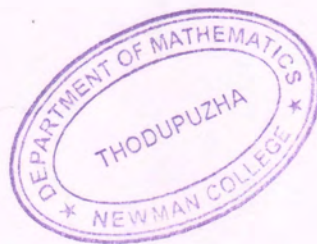
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22-09-22

Dary John
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[Signature]
Head of The Department

[Signature]
**External
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Smt. Nancy Jacob; M.Sc., M.Phil., B.Ed.

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(Affiliated to Mahatma Gandhi University Kottayam, Kerala)

Newman College Thodupuzha



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This is to certify that the work entitled “**ERROR-CORRECTING CODING**” is a bona fide record of the work done by **THASNA SHAJI** (Reg. No. : 200011015598), in partial fulfillment of the requirement for the award of **Masters Degree In Mathematics** from Mahatma Gandhi University, Kottayam, Kerala during the academic year 2020-2022.

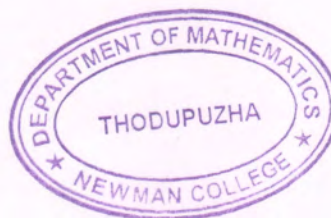
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22-09-22

Nancy Jacob
Project Guide

Ashy Dub
Head of The Department

[Signature]
External Examiners



CERTIFICATE

This is to certify that project report work entitled "DESIGN, FABRICATION AND CHARACTERIZATION OF AN ULTRAVIOLET PHOTO DETECTOR" is the bonafide work done by "AFNA ALI (200021037921)" carried out under my guidance at NEWMAN COLLEGE THODUPUZHA , in partial fulfillment of the requirements for the degree of Bachelor of science in Physics during the academic year 2022-2023.



DR. BEEENA MARY JOHN
Head of the Department
Department of Physics
Newman college
Thodupuzha


27/9/23

Dr. AJITH THOMAS
Asst. Professor and Project Guide
Department of Physics
Newman College
Thodupuzha

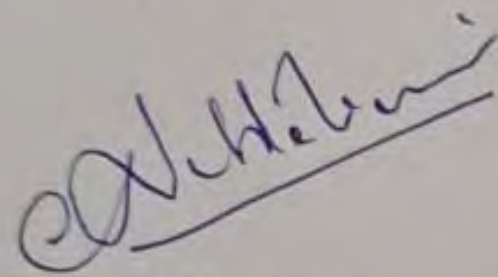
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21/5/23

Date :

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This is to certify that the project entitled 'FEASIBILITY OF RENEWABLE ENERGY IN ECOLOGICALLY SENSITIVE ZONE' is an authentic record of project work carried out by **ALEESHA JOJI** (200021037906) during the year 2020-2023 under the supervision and guidance of **NOBLE C KURIAN**, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

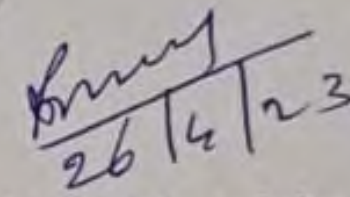


Noble C Kurian

Supervising Guide

Department of Physics

Newman College Thodupuzha.



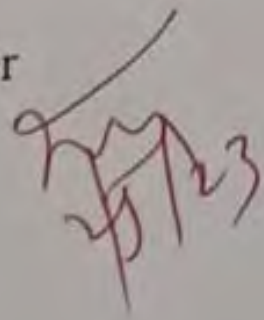
Dr. Beena Mary John

Head of the Department

Department of Physics

Newman College Thodupuzha.

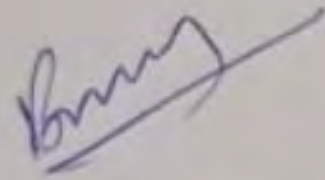
External Examiner



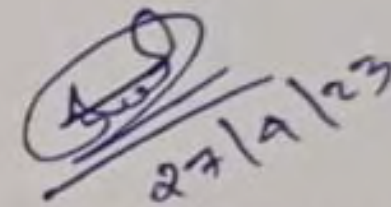
Date:

CERTIFICATE

This is to certify that project report work entitled "DESIGN, FABRICATION AND CHARACTERIZATION OF AN ULTRAVIOLET PHOTO DETECTOR" is the bonafide work done by **ALIFNA M. E.** (200021037922) carried out under my guidance at **NEWMAN COLLEGE THODUPUZHA**, in partial fulfillment of the requirements for the degree of **Bachelor of science in Physics** during the academic year 2022-2023.



DR. BEEENA MARY JOHN
Head of the Department
Department of Physics
Newman college
Thodupuzha



DR. AJITH THOMAS
Asst. Professor and Project Guide
Department of Physics
Newman College
Thodupuzha

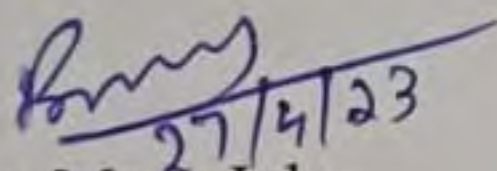
External Examiner :



Date:

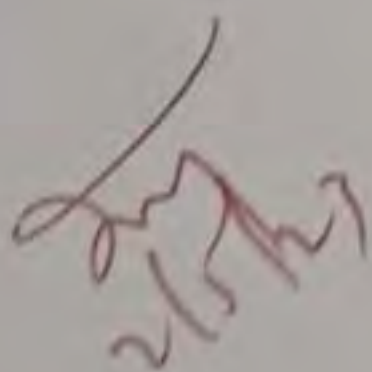
CERTIFICATE

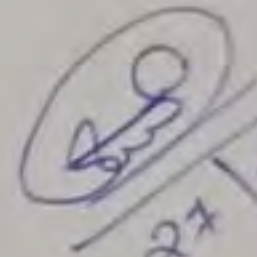
This is to certify that project report work entitled "MEASUREMENT OF DIELECTRIC CONSTANT OF DIESEL AND COCONUT OIL BY CAPACITIVE REACTANCE METHOD" is the bonafide work done by **ALTHAF SAKKEER HUSSAIN** (200021037907) carried out under my guidance at NEWMAN COLLEGE THODUPUZHA, in partial fulfilment of the requirements for the degree of Bachelor of Science in Physics during the academic year 2022-23.


27/4/23
Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha

Date:

Time:

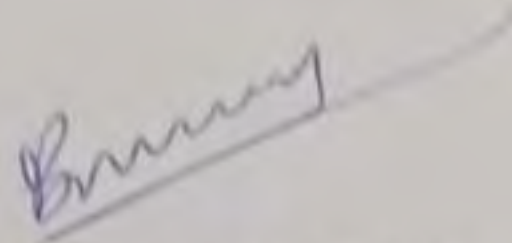

2/5/23


27/4/23
Dr. Ajith Thomas
Project supervising guide
Department of Physics
Newman College
Thodupuzha

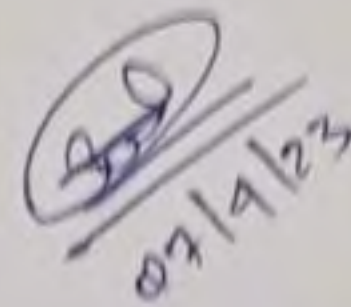


CERTIFICATE

This is to certify that project report work entitled "DESIGN, FABRICATION AND CHARACTERIZATION OF AN ULTRAVIOLET PHOTO DETECTOR" is the bonafide work done by **AMRITHA S.** (200021037908) carried out under my guidance at **NEWMAN COLLEGE THODUPUZHA**, in partial fulfillment of the requirements for the degree of **Bachelor of science in Physics** during the academic year 2022-2023.



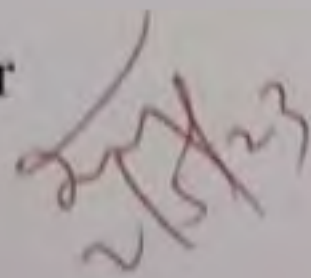
DR. BEEENA MARY JOHN
Head of the Department
Department of Physics
Newman college
Thodupuzha


07/7/23

Dr. AJITH THOMAS
Asst. Professor and Project Guide
Department of Physics
Newman College
Thodupuzha



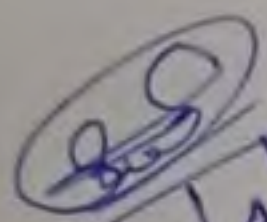
External Examiner


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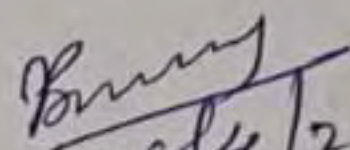
Date :

CERTIFICATE

This is to certify that the project entitled "MEASUREMENT OF DIELECTRIC CONSTANT OF LIQUIDS BY RC TIME CONSTANT METHOD" is an authentic record of project work done by **AMRUTHA MONEY** (200021037923) during the year 2020-2023 under the supervision and guidance of **DR. AJITH THOMAS**, Associate Professor, Department of Physics, **NEWMAN COLLEGE THODUPUZHA**, in partial fulfillment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.


27/9/23

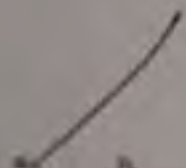
Dr. Ajith Thomas
Supervising guide
Department of Physics
Newman college
Thodupuzha


28/4/23

Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha

External Examiner

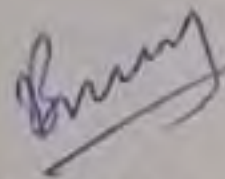
Date:


25/9/23

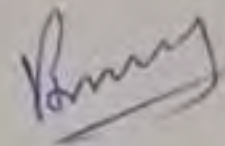


CERTIFICATE

This is to certify that the project entitled "**PREPARATION AND CHARACTERIZATION OF PHOTOCROSSLINKING POLYMER FILMS FOR HOLOGRAPHY**" is an authentic record of project work carried out by **ANANDHU SAJEEV. (REG No. 200021037909)** during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John , Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.



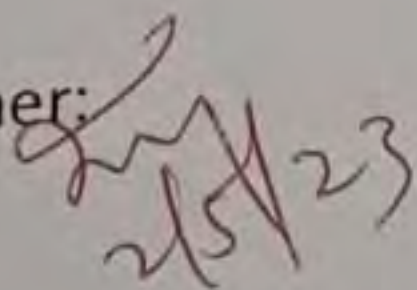
Dr. Beena Mary John
Supervising Guide
Department of Physics
Newman College
Thodupuzha



Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha



External Examiner:

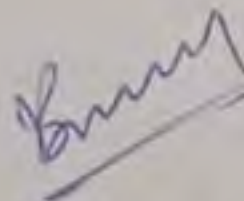


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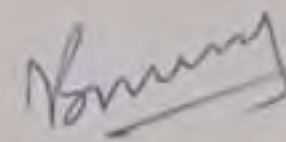
Date:

CERTIFICATE

This is to certify that the project entitled "**-PREPARATION AND CHARACTERIZATION OF PHOTOCROSSLINKING POLYMER FILMS FOR HOLOGRAPHY**" is an authentic record of project work carried out by **ANUJA M.S. (REG No. 200021037910)** during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John , Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

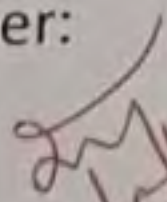


Dr. Beena Mary John
Supervising Guide
Department of Physics
Newman College
Thodupuzha



Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha

External Examiner:

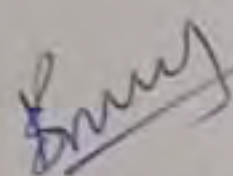

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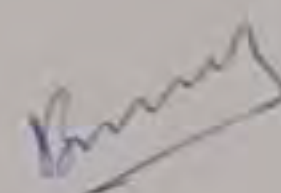


CERTIFICATE

This is to certify that the project entitled "-PREPARATION AND CHARACTERIZATION OF PHOTOCROSSLINKING POLYMER FILMS FOR HOLOGRAPHY" is an authentic record of project work carried out by **ARUN GOVIND** (REG No. 200021037911) during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John , Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

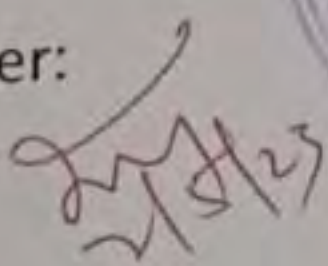


Dr. Beena Mary John
Supervising Guide
Department of Physics
Newman College
Thodupuzha



Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha

External Examiner:



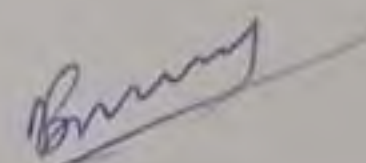
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CERTIFICATE

This is to certify that the project entitled 'HOLOGRAPHIC CHARACTERIZATION OF EOSIN SENSITIZED POLYMER FILMS' is an authentic record of project work carried out by **ASWIN PUSHPARAJ** (REG No. 200021037924) during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfillment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

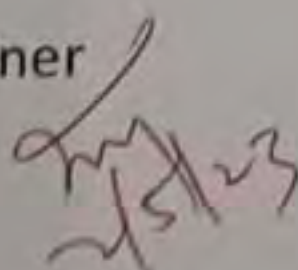


Dr. Beena Mary John
Supervising Guide
Department of Physics
Newman College Thodupuzha.



Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College Thodupuzha.

External Examiner

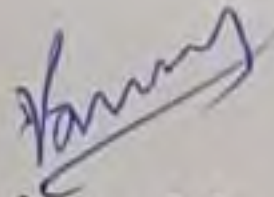


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This is to certify that the project entitled "-STUDIES ON METHYLENE BLUE SENSITIZED ACRYLONITRILE FILMS" is an authentic record of project work carried out by **ASWIN VIJU** (REG No. 200021037912) during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.



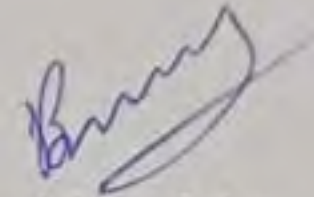
Dr. Beena Mary John

Supervising Guide

Department of Physics

Newman College

Thodupuzha



Dr. Beena Mary John

Head of the Department

Department of Physics

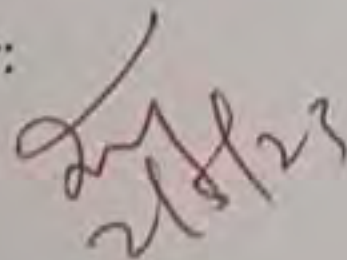
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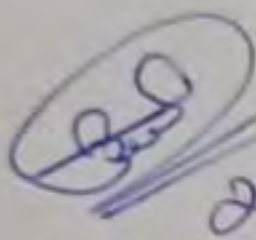
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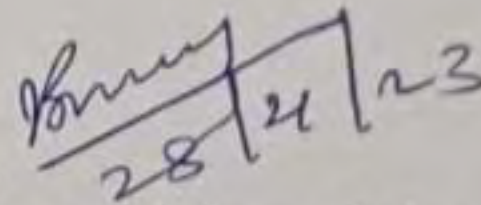
21/5/23

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This is to certify that the project entitled "MEASUREMENT OF DIELECTRIC CONSTANT OF LIQUIDS BY RC TIME CONSTANT METHOD" is an authentic record of project work done by **BISMI BASHEER** (200021037913) during the year 2020-2023 under the supervision and guidance of DR. AJITH THOMAS, Associate Professor, Department of Physics, NEWMAN COLLEGE THODUPUZHA, in partial fulfillment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.


27/9/23

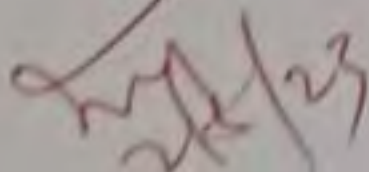
Dr. Ajith Thomas
Supervising guide
Department of Physics
Newman college
Thodupuzha


28/11/23

Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha



External Examiner


27/11/23

Date:

CERTIFICATE

This is to certify that the project report entitled 'INTEGRATED LOW COST MINI WEATHER STATION' is the bonafide work done by **FATHIMA M SHAJI** (200021037925) under my guidance at **NEWMAN COLLEGE THODUPUZHA** in partial fulfilment of the requirements for the degree of **Bachelor of Science** in Physics during the academic year 2020 - 2023

Beena Mary John
28/04/23

Dr. Beena Mary John

Head of the Department

Department of Physics

Newman College

Thodupuzha

Subin Jose
26/04/2023

Dr. Subin Jose

Asst. Professor and Project guide

Department of Physics

Newman College

Thodupuzha



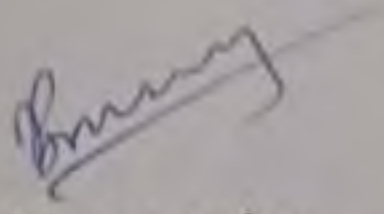
Date:

Examiner:

[Signature]
21/5/23

CERTIFICATE

This is to certify that the project entitled 'HOLOGRAPHIC CHARACTERIZATION OF EOSIN SENSITIZED POLYMER FILMS' is an authentic record of project work carried out by **JETEENA JOSEPH (REG No. 200021037914)** during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfillment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

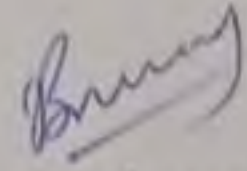


Dr. Beena Mary John

Supervising Guide

Department of Physics

Newman College Thodupuzha.



Dr. Beena Mary John

Head of the Department

Department of Physics

Newman College Thodupuzha.

External Examiner

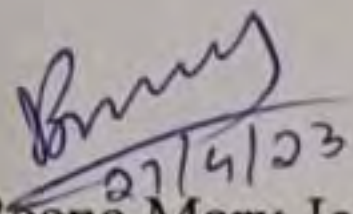


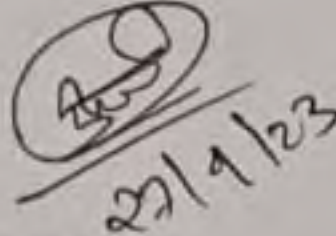
Date:

21/5/23

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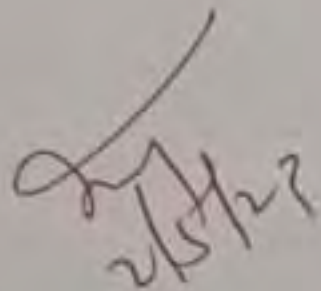
This is to certify that project report work entitled "MEASUREMENT OF DIELECTRIC CONSTANT OF DIESEL AND COCONUT OIL BY CAPACITIVE REACTANCE METHOD" is the bonafide work done by **KEVIN RAJU** (200021037915) carried out under my guidance at NEWMAN COLLEGE THODUPUZHA, in partial fulfilment of the requirements for the degree of Bachelor of Science in Physics during the academic year 2022-23.

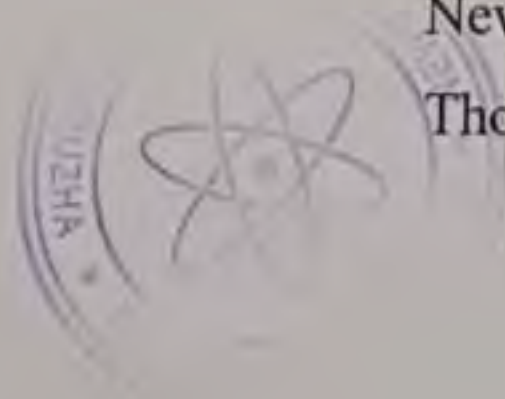

27/4/23
Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha


27/4/23
Dr. Ajith Thomas
Project supervising guide
Department of Physics
Newman College
Thodupuzha

Date:

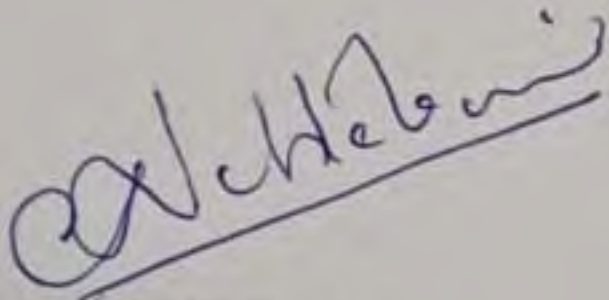
Time:


2/5/23



CERTIFICATE

This is to certify that the project entitled 'FEASIBILITY OF RENEWABLE ENERGY IN ECOLOGICALLY SENSITIVE ZONE' is an authentic record of project work carried out by **M KRISHNAGADHA** (200021037926) during the year 2020-2023 under the supervision and guidance of **NOBLE C KURIAN**, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

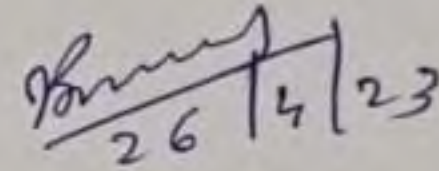


Noble C Kurian

Supervising Guide

Department of Physics

Newman College Thodupuzha.


26/4/23

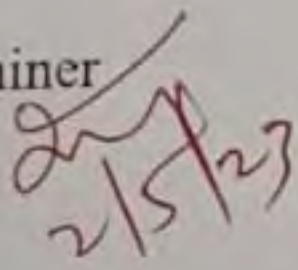
Dr. Beena Mary John

Head of the Department

Department of Physics

Newman College Thodupuzha.

External Examiner

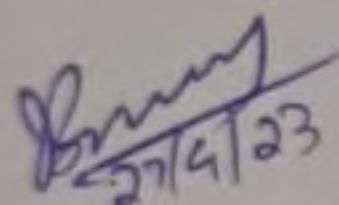

2/5/23



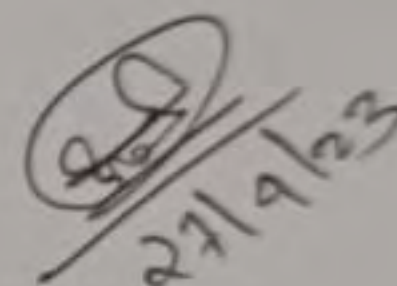
Date:

CERTIFICATE

This is to certify that project report work entitled "MEASUREMENT OF DIELECTRIC CONSTANT OF DIESEL AND COCONUT OIL BY CAPACITIVE REACTANCE METHOD" is the bonafide work done by **MANU JOSE** (200021037916) carried out under my guidance at NEWMAN COLLEGE THODUPUZHA, in partial fulfilment of the requirements for the degree of Bachelor of Science in Physics during the academic year 2022-23.


27/4/23

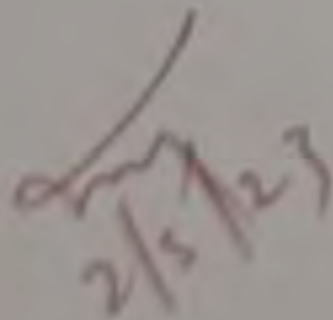
Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha


27/9/23

Dr. Ajith Thomas
Project supervising guide
Department of Physics
Newman College
Thodupuzha

Date:

Time:


2/5/23



CERTIFICATE

This is to certify that the project report entitled 'INTEGRATED LOW COST MINI WEATHER STATION' is the bonafide work done by **MEHAR JEBEEN** (200021037917) under my guidance at **NEWMAN COLLEGE THODUPUZHA** in partial fulfillment of the requirements for the degree of **Bachelor of Science** in Physics during the academic year 2020 - 2023

Beena Mary John
26/4/23

Dr. Beena Mary John,
Head of the Department,
Department of Physics,
Newman College,
Thodupuzha

Subin Jose
26/4/23

Dr. Subin Jose,
Asst. Professor and Project Guide,
Department of Physics,
Newman College,
Thodupuzha

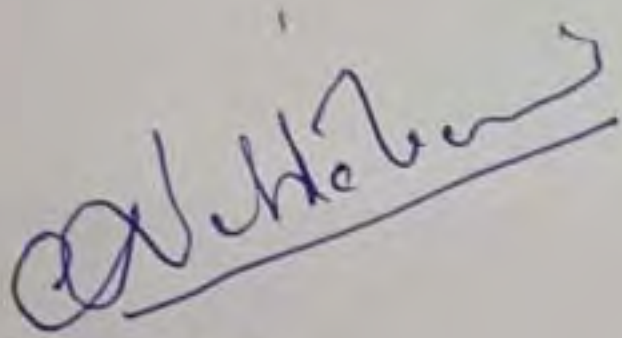
External Examiner :

Subin Jose
26/4/23

Date :

CERTIFICATE

This is to certify that the project entitled 'FEASIBILITY OF RENEWABLE ENERGY IN ECOLOGICALLY SENSITIVE ZONE' is an authentic record of project work carried out by **NANDANA P M (200021037918)** during the year 2020-2023 under the supervision and guidance of **Noble C Kurian**, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

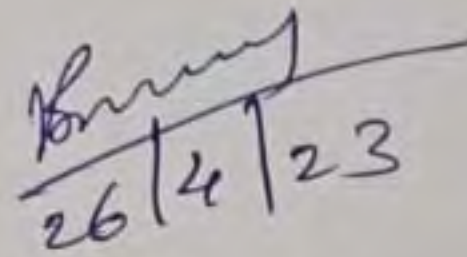


Noble C Kurian

Supervising Guide

Department of Physics

Newman College Thodupuzha.



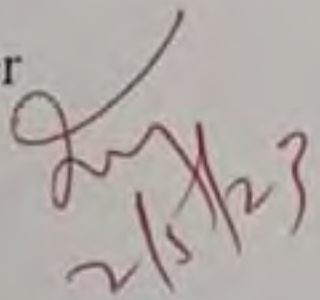
Dr. Beena Mary John

Head of the Department

Department of Physics

Newman College Thodupuzha.

External Examiner



Date:

CERTIFICATE

This is to certify that the project report entitled 'INTEGRATED LOW COST MINI WEATHER STATION' is the bonafide work done by **NANDANA S PRADEEP** (200021037919) under my guidance at **NEWMAN COLLEGE THODUPUZHA** in partial fulfillment of the requirements for the degree of **Bachelor of Science** in Physics during the academic year 2020 - 2023

Beena Mary John
26/4/23

Dr. Beena Mary John,
Head of the Department,
Department of Physics,
Newman College,
Thodupuzha

Subin Jose
26/04/2023

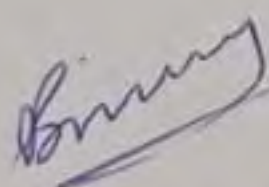
Dr. Subin Jose,
Asst. Professor and Project Guide,
Department of Physics,
Newman College,
Thodupuzha

EXTERNAL EXAMINER:

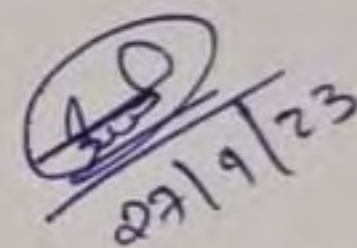
Subin Jose
25/4/23

CERTIFICATE

This is to certify that project report work entitled "DESIGN, FABRICATION AND CHARACTERIZATION OF AN ULTRAVIOLET PHOTO DETECTOR" is the bonafide work done by **RAJALAKSHMI K. R.** (200021037927) carried out under my guidance at **NEWMAN COLLEGE THODUPUZHA**, in partial fulfillment of the requirements for the degree of **Bachelor of science in Physics** during the academic year 2022-2023.



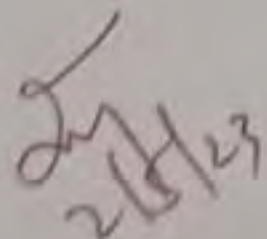
DR. BEEENA MARY JOHN
Head of the Department
Department of Physics
Newman college
Thodupuzha



DR. AJITH THOMAS
Asst. Professor and Project Guide
Department of Physics
Newman College
Thodupuzha



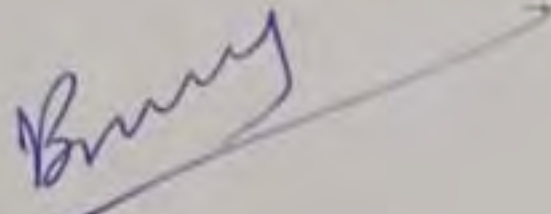
External examiner



Date :

CERTIFICATE

This is to certify that the project entitled "-STUDIES ON METHYLENE BLUE SENSITIZED ACRYLONITRILE FILMS" is an authentic record of project work carried out by **RIBIN ROY** (REG No. 200021037928) during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John, Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.



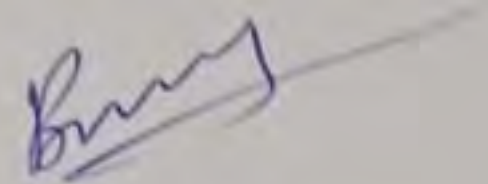
Dr. Beena Mary John

Supervising Guide

Department of Physics

Newman College

Thodupuzha



Dr. Beena Mary John

Head of the Department

Department of Physics

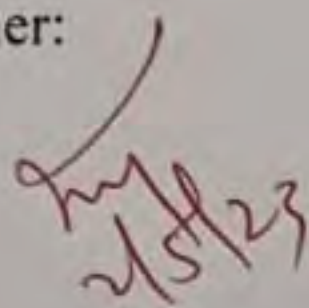
Newman College

Thodupuzha



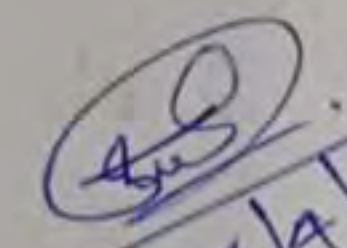
External Examiner:

Date:

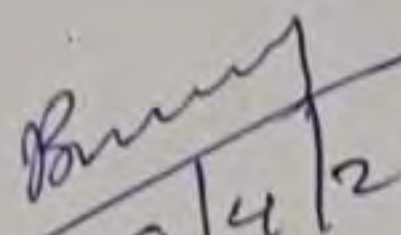
Handwritten signature in red ink and the date "21/5/23" written below it.

CERTIFICATE

This is to certify that the project entitled "MEASUREMENT OF DIELECTRIC CONSTANT OF LIQUIDS BY RC TIME CONSTANT METHOD" is an authentic record of project work done by **SHEFNA NAZAR** (200021037929) during the year 2020-2023 under the supervision and guidance of **DR. AJITH THOMAS**, Associate Professor, Department of Physics, **NEWMAN COLLEGE THODUPUZHA**, in partial fulfillment for the award of **Bachelor's Degree in Physics** of Mahatma Gandhi University, Kottayam.


27/4/23

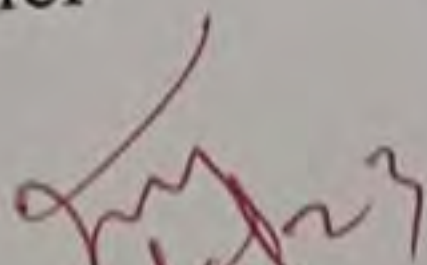
Dr. Ajith Thomas
Supervising guide
Department of Physics
Newman college
Thodupuzha


29/4/23

Dr. Beena Mary John
Head of the Department
Department of Physics
Newman College
Thodupuzha

External Examiner

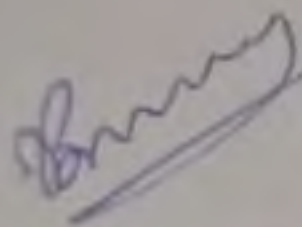
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26/4/23

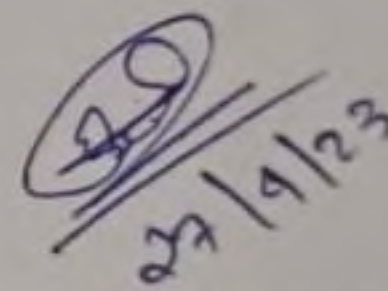


CERTIFICATE

This is to certify that project report work entitled "DESIGN, FABRICATION AND CHARACTERIZATION OF AN ULTRAVIOLET PHOTO DETECTOR" is the bonafide work done by "SHIFANA SIYAD (200021037920)" carried out under my guidance at NEWMAN COLLEGE THODUPUZHA , in partial fulfillment of the requirements for the degree of Bachelor of science in Physics during the academic year 2022-2023.



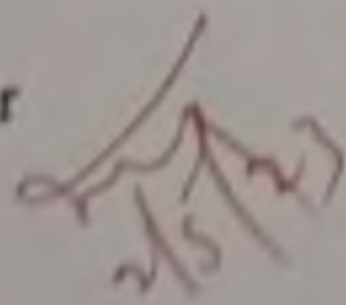
DR. BEEENA MARY JOHN
Head of the Department
Department of Physics
Newman college
Thodupuzha


27/9/23

Dr. AJITH THOMAS
Asst. Professor and Project Guide
Department of Physics
Newman College
Thodupuzha



External Examiner


2/5/23

Date :

CERTIFICATE

This is to certify that the project entitled 'HOLOGRAPHIC CHARACTERIZATION OF EOSIN SENSITIZED POLYMER FILMS' is an authentic record of project work carried out by **SREEDEVI SABU** (REG No. 200021037930) during the year 2020-2023 under the supervision and guidance of Dr. Beena Mary John , Associate Professor, Department of Physics, Newman College, Thodupuzha, in partial fulfilment for the award of Bachelor's Degree in Physics of Mahatma Gandhi University, Kottayam.

Beena Mary John
26/4/23

Dr. Beena Mary John

Supervising Guide

Department of Physics

Newman College

Thodupuzha

Beena Mary John
26/4/23

Dr. Beena Mary John

Head of the Department

Department of Physics

Newman College

Thodupuzha



External Examiner:

Date:

Beena Mary John
21/5/23

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



CERTIFICATE

This is to certify that the project entitled **"GREEN SYNTHESIS OF FLUORESCENT CARBON DOTS AND ITS CHARACTERIZATION"** submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bona fide record of project work done by **ALEENA RAJU** (Reg. No: 200011013782) of M.Sc. Physics (2020-2022).

Beena

Dr. BEENA MARY JOHN

Head of the Department

Simi
27/09/22

Dr. Sr. SIMI N J

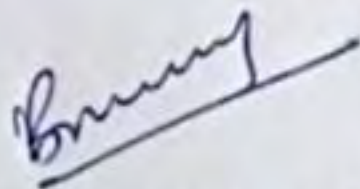


Examiners

1. Dr. Beena Mary John *Beena*
2. Dr. SUBIN JOSIE *Subin*

CERTIFICATE

This is to certify that the work which is being presented in the project entitled **Dust Detection Over Arabian Sea and Retrieval of Aerosol Optical Depth** in the partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE** and submitted in the **Mahatma Gandhi University, Kottayam**, is an authentic record done by **ANEENA BINOY** (Reg No :200011013783) carried out under the supervision of Dr. Subin Jose, Assistant Professor, Department of Physics , Newman College, Thodupuzha during the time period from 2020 to 2022.



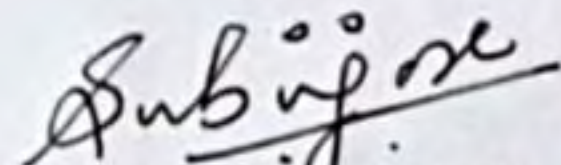
Dr. BEENA MARY JOHN

Head of the Department

Department of Physics

Newman College

Thodupuzha



Dr. SUBIN JOSE

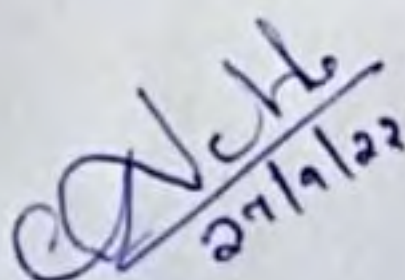
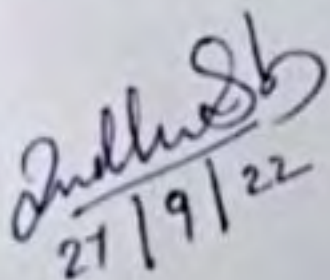
Project Guide

Asst. professor

Department of Physics

Newman College

Thodupuzha



DEPARTMENT OF PHYSICS
NEWMAN COLLEGE
THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled "SYNTHESIS AND STRUCTURAL AND OPTICAL CHARACTERIZATION OF CALCIUM TUNGSTATE NANOCRYSTAL" submitted in partial fulfilment of the requirement for the award of the Master of Science in Physics is a bonafide record of project work done by **ANNS MARIYA GEORGE** (Reg.No:200011013784) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department

Dr. RAJESH KUMAR B

Project supervisor



Examiners


1. Dr. Beena Mary John
2. Dr. SUBIN JOSE,

DEPARTMENT OF PHYSICS
NEWMAN COLLEGE
THODUPUZHA

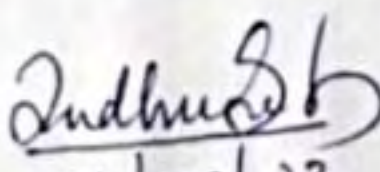


CERTIFICATE

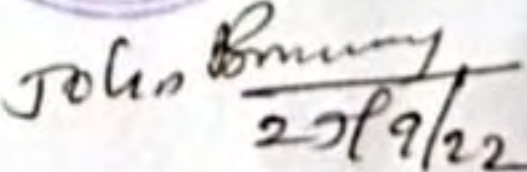
This is to certify that the project entitled "STRUCTURAL AND OPTICAL CHARACTERIZATION OF THERMAL EVAPORATED THIN FILMS OF PbS, INDIUM OXIDE, SILVER AND BULK SELENIUM" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **ASHITHA THANKACHAN** (Reg. No:200011013785) of M.Sc. Physics (2021-2022).


Dr. Beena Mary John
Head of the Department




21/09/22
Dr. Indu Sebastian
Project Supervisor

Examiners:

1. 
20/9/22
- 2.

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled "ASSEMBLING OF HORN ANTENNA AND STUDY OF 21 cm NEUTRAL HYDROGEN LINE EMISSION" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **ASHLIN ISSAC** (Reg. No: 200011013786) of M.Sc. Physics (2020-2022).

Beena

Dr. BEENA MARY JOHN

Head of the Department



Noble C. Kurian

Mr. NOBLE C. KURIAN

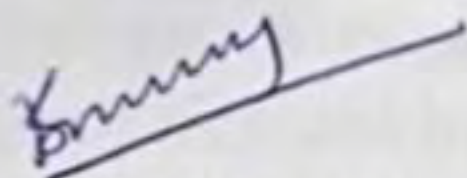
Project Supervisor

Examiners

1. Dr. Indu Sebastian *Indu Sebastian*
27/9/22
2. Dr. Beena Mary John *Beena*
27/9/22

CERTIFICATE

This is to certify that the work which is being presented in the project entitled **SPECTRAL CHARACTERIZATION OF DUST OVER ARABIAN SEA** in the partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE** and submitted in the **Mahatma Gandhi University, Kottayam**, is an authentic record done by **BINTO GEORGE BABU** (Reg No :200011013787) carried out under the supervision of **Dr.Subin Jose**, Assistant Professor, Department of Physics , Newman College, Thodupuzha during the time period from 2020 to 2022.

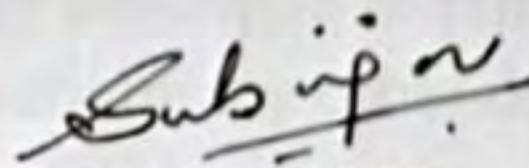


Dr. BEENA MARY JOHN

Head of Department

Department of Physics

Newman College Thodupuzha



Dr. SUBIN JOSE

Project Guide

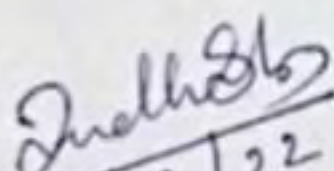
Asst. Professor

Department of Physics

Newman College

Thodupuzha




27/9/22

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



CERTIFICATE

This is to certify that the project entitled **“STRUCTURAL AND OPTICAL CHARACTERIZATION OF THERMAL EVAPORATED THIN FILMS OF PbS, INDIUM OXIDE, SILVER AND BULK SELENIUM”** submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **BRIJIT SEBASTIAN** (Reg. No:200011013788) of M.Sc. Physics (2020-2022).

Dr. Beena Mary John

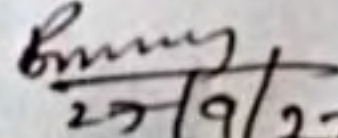
Head of the Department

Dr. Indu Sebastian

Project Supervisor



Examiners:

1. **DR. Beena Mary John**  27/9/22

2. **DR. SUBIN JOSE**

DEPARTMENT OF PHYSICS
NEWMAN COLLEGE
THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled “**SYNTHESIS AND STRUCTURAL AND OPTICAL CHARACTERIZATION OF CALCIUM TUNGSTATE NANOCRYSTAL**” submitted in partial fulfilment of the requirement for the award of the Master of Science in Physics is a bonafide record of project work done by **DONA KURIAKOSE** (Reg.No:200011013789) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department

TB

Dr. RAJESH KUMAR B

Project supervisor

Examiners

1. Dr. Beena Mary John *Beena*
2. Dr. Subin Jose, *Subin* 27/9/22



DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled "ASSEMBLING OF HORN ANTENNA AND STUDY OF 21 cm NEUTRAL HYDROGEN LINE EMISSION" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **JIBIN BINOY** (Reg. No: 200011013790) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department



Mr. NOBLE C. KURIAN

Project Supervisor

Examiners

1. DR. Beena Mary John 27/9/22
2. DR. SUBIN JOSE 27/9/22

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



CERTIFICATE

This is to certify that the project entitled "A comparative study on the polarizing action of Methylene Blue and Eosin sensitized Gelatin films" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **JOHN GEORGE** (Reg. No: 200011013791) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department

Dr. BEENA MARY JOHN

Supervising guide

Examiners



1. Noble C. Kurian
2. Dr. SUBIN JOSE,

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled "ASSEMBLING OF HORN ANTENNA AND STUDY OF 21 cm NEUTRAL HYDROGEN LINE EMISSION" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **JOSEPH MATHEW** (Reg. No: 200011013792) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department



Mr. NOBLE C. KURIAN

Project Supervisor

Examiners

1. Dr. Beena Mary John
2. Dr. Subin Jose

DEPARTMENT OF PHYSICS
NEWMAN COLLEGE
THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled “**SYNTHESIS AND STRUCTURAL AND OPTICAL CHARACTERIZATION OF CALCIUM TUNGSTATE NANOCRYSTAL**” submitted in partial fulfilment of the requirement for the award of the Master of Science in Physics is a bonafide record of project work done by **KAVYA GIJESH** (Reg.No:200011013793) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department

Dr. RAJESH KUMAR B

Project supervisor

Examiners

1. Noble C Kumar

2. Dr. Indu Sebastian

Indu Sebastian
28/9/22

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



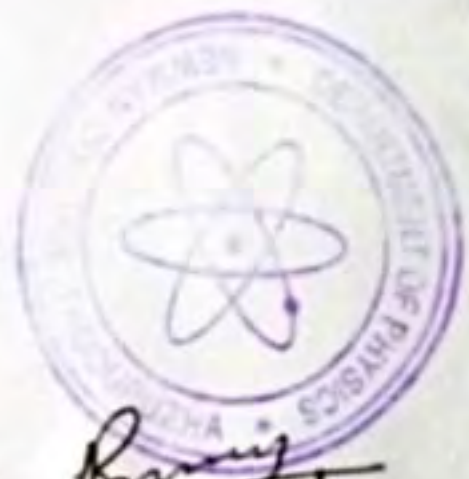
CERTIFICATE

This is to certify that the project entitled **"GREEN SYNTHESIS OF FLUORESCENT CARBON DOTS AND ITS CHARACTERIZATION"** submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bona fide record of project work done by **NIMMY TREESA THOMAS (Reg. No: 200011013794)** of M.Sc. Physics (2020-2022).

Beena

Dr. BEENA MARY JOHN

Head of the Department



Dr. Sr. SIMI N J

Simi

Examiners

Dr. Beena

Mary John Beena
28/9/22

Dr. SUBIN

JOSE - Subin

DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project entitled "**Modelling the Boltzmann Entropy: A study over Western Ghats, India**" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **SALINA NAVAS** (Reg. No: 200011013795) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department

Dr. SUBIN JOSE.

Project Supervisor

Examiners

1. Dr. Beena Mary John 28/9/22
2. Dr. SUBIN JOSE 28/9/22



DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



CERTIFICATE

This is to certify that the project entitled "A comparative study on the polarizing efficiency of dye sensitized Gelatin films" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **SANDEEP KRISHNA P.S** (Reg. No: 200011013796) of M.Sc. Physics (2020-2022).

Dr. BEENA MARY JOHN

Head of the Department

Dr. BEENA MARY JOHN

Supervising guide



Examiners

1. Noble C Kurian
 2. Dr. Indu Sebastian
- 28/9/22

**DEPARTMENT OF PHYSICS
NEWMAN COLLEGE
THODUPUZHA**



CERTIFICATE

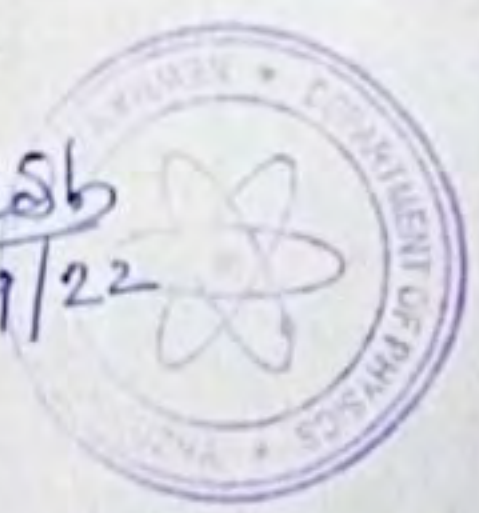
This is to certify that the project entitled” **LAND COVER CLASSIFICATION OF IDUKKI DISTRICT USING MACHINE LEARNING WITH THE CLOUD PLATFORM**” submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **SHAMILI S** (Reg. No: 200011013797) of M.Sc. Physics (2020-2022).

Beena Mary John
Dr. BEENA MARY JOHN
Head of the Department

Subin Jose
Dr SUBIN JOSE
Project Supervisor

Examiners
1. *Dr. Beena Mary John*
2. *Dr. Indu Sebastian*

Indu Sebastian
25/9/22



DEPARTMENT OF PHYSICS

NEWMAN COLLEGE

THODUPUZHA



CERTIFICATE

This is to certify that the project entitled "GREEN SYNTHESIS OF FLUORESCENT CARBON DOTS AND ITS CHARACTERIZATION" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bona fide record of project work done by **SREEMOL K K** (Reg. No: 200011013798) of M.Sc. Physics (2020-2022).

Beena Mary John

Dr. BEENA MARY JOHN

Head of the Department

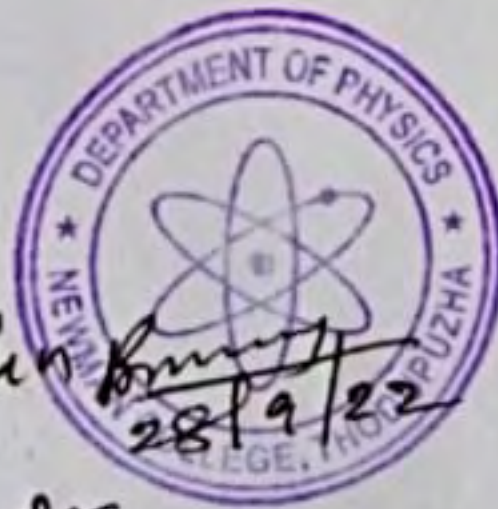
Simi
28/9/22

Dr. Sr. SIMI N J

Examiners

Dr. Beena Mary John *Beena Mary John*
28/9/22

Dr. SUBIN JOSHI, *Subin*
28/9/2022



DEPARTMENT OF PHYSICS

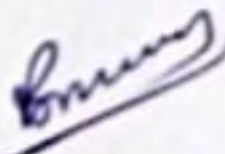
NEWMAN COLLEGE

THODUPUZHA

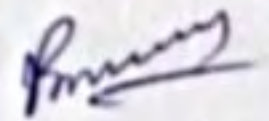


CERTIFICATE

This is to certify that the project entitled "Fabrication of Methylene blue & Eosin sensitized gelatin films as linear polarizers" submitted in partial fulfilment of the requirement for the award of the Master of science in Physics is a bonafide record of project work done by **VISHNUDEV T M** (Reg. No: 200011013799) of M.Sc. Physics (2020-2022).


Dr. BEENA MARY JOHN

Head of the Department

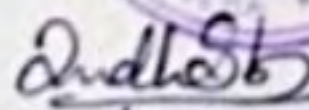


Dr. BEENA MARY JOHN

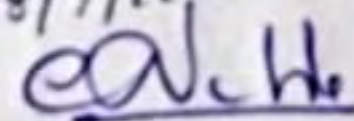
Supervising guide

Examiners



Dr. Indu Sebastian 

28/9/22

Noble C Kurian 

Comparison of Religiosity among College Students



Newman College
Thodupuzha – 685585

Submitted by:

Mr. ADIL MUHAMMAD (200021044764)

Under the Guidance of
Ms. FEMILIN DAVIS
Assistant professor, Dept. of Psychology
Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

For the Partial Fulfilment of B. Sc. Degree in Psychology,

Session 2023

CERTIFICATE

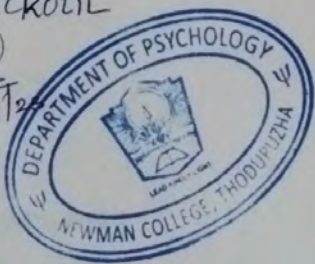
This is to certify that this project entitled "Comparison Of Religiosity Among College Students" is a study carried out by **Mr. Adil Muhammad**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Femilin Davis**, Assistant Professor, Department of Psychology, Newman College, Thodupuzha.

This is to certify that this work was submitted by the candidate as a project for the partial fulfilment of the course- project 2 Research Project PY6Pr02 of the B. Sc. Degree in Psychology, has not formed the basis for any degree or diploma to any candidate. This is a bonafide record of the candidate's personal efforts.

HOD:

JULIA MACKOLIL

Julia
02/05/23



Guide:

Femilin Davis

Femilin Davis

External Examiner:

Dr. Neelima Raghav
02-05-23

Dr. Neelima Raghav

Internal Examiner:

Aleena James
2/5/23

Aleena James

Adil Muhammad

Prevalence of Postpartum Depression among Women in Kerala



Newman College
Thodupuzha – 685585

Submitted by:

Ms. ALFIYA BASHEER (200021044775)

Under the Guidance of

Ms. FEMILIN DAVIS

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfilment of B. Sc. Degree in Psychology,
Session 2023

CERTIFICATE

This is to certify that this Project entitled “Prevalence of Postpartum Depression among Women in Kerala” is a project work carried out by Ms. Alfiya Basheer, Department of Psychology, Newman College, Thodupuzha, under my supervision and guidance.

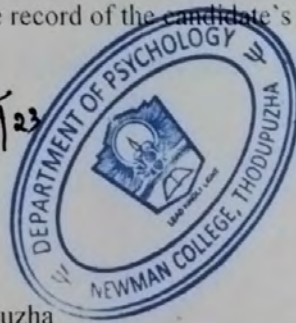
This is to certify that this work submitted by the candidate as a project for the requirements of the B. Sc. Degree in Psychology has not formed the basis for any degree or diploma to any candidate. This is a bonafide record of the candidate's personal efforts.

Guide:

Ms Femilin Davis

Assistant Professor

Newman College, Thodupuzha



Head of Department:

Ms Julia Mackolil

Assistant Professor

Newman College, Thodupuzha

Examiners:

External Examiner:

Mina
02-05-2023

Dr. Neelam Raghav

Internal Examiner:

Aleena James
2-5-2023

Aleena James

Fajimil

**Understanding and Analyzing the Perception of Mental Health
Professionals about Sexual Behaviors Exhibited by Children**



**Newman College
Thodupuzha – 685585**

Submitted by:

ALIYA SAJI (200021044776)

Under the Guidance of

Ms. JULIA MACKOLIL

Head & Assistant Professor, Dept. of Psychology

Newman College, Thodupuzha



**A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfillment of B. Sc. Degree in Psychology,
Session 2023**

CERTIFICATE

This is to certify that this Project entitled “**Understanding and analysing the perception of mental health professionals about sexual behaviours exhibited by children**” is a study carried out by **Aliya Saji (200021044776)**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms. Julia Mackolil**, Head of the department, Department of Psychology, Newman College, Thodupuzha.

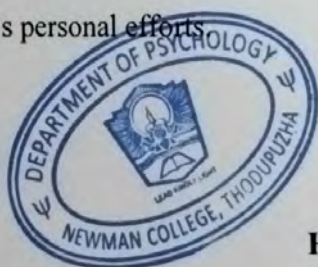
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Guide:

Ms Julia Mackolil

Head & Assistant Professor

Newman College, Thodupuzha



Head of Department:

Ms Julia Mackolil

Head & Assistant Professor

Newman College, Thodupuzha

Examiners:

External Examiner:

Thina
02-05-2023
D. Neelima Ranythi

Internal Examiner:

[Signature]

**Understanding and Analyzing the Perception of Mental Health
Professionals about Sexual Behaviors Exhibited by Children**



**Newman College
Thodupuzha – 685585**

Submitted by:

AMITHA FATHIMA (200021044765)

Under the Guidance of

Ms. JULIA MACKOLIL

Head & Assistant Professor, Dept. of Psychology

Newman College, Thodupuzha

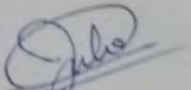


**A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfillment of B. Sc. Degree in Psychology,
Session 2023**

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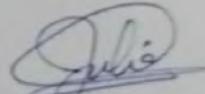
This is to certify that this Project entitled "Understanding and analysing the perception of mental health professionals about sexual behaviours exhibited by children" is a study carried out by **Amitha Fathima (200021044765)**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms. Julia Mackolil**, Head of the department, Department of Psychology, Newman College, Thodupuzha.

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Guide:

Ms Julia Mackolil
Head & Assistant Professor
Newman College, Thodupuzha

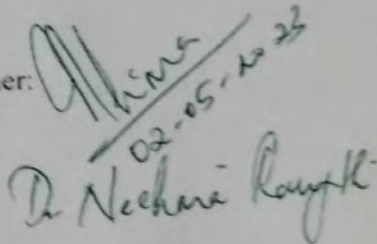


Head of Department:

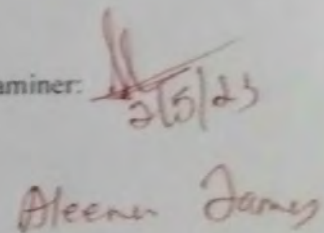
Ms Julia Mackolil
Head & Assistant Professor
Newman College, Thodupuzha

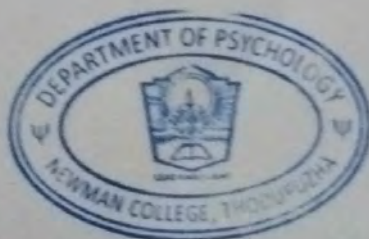
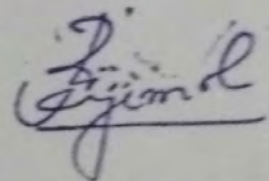
Examiners:

External Examiner:


02-05-2023
Dr Neelara Raghav

Internal Examiner:


25/5/23
Aileen James



**The Effect of Listening to Music on Attention among College Students - An
Experimental Study**



**Newman College
Thodupuzha – 685585**

Submitted by:

Aswathy Binu (200021044777)

Under the Guidance of

Ms. JULIA MACKOLIL

Head & Assistant Professor, Dept. of Psychology

Newman College, Thodupuzha

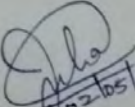


**A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfilment of B. Sc. Degree in Psychology,
Session 2023**

CERTIFICATE

This is to certify that this project entitled “**The effect of listening to music on attention among college students- an experimental study**” is a study carried out by **Aswathy Binu**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Julia Mackolil**, Head & Assistant Professor, Department of Psychology, Newman College, Thodupuzha.

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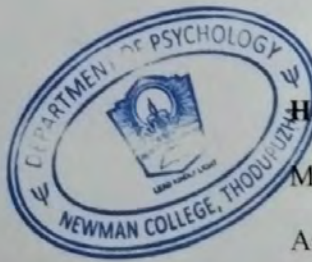
Guide:

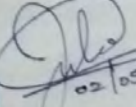
Ms Julia Mackolil

Head of Department

Assistant Professor

Newman College, Thodupuzha




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Head of Department:

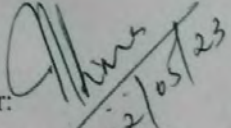
Ms Julia Mackolil

Assistant Professor

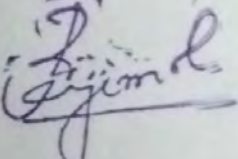
Newman College, Thodupuzha

Examiners:

External Examiner:


02/05/23
Dr. Neelima Ranyth

Internal Examiner:



The Psychological Hardiness and Self-Efficacy Among NCC Cadets and Non-NCC Students



Newman College

Thodupuzha – 685585

Submitted by:

Mr ASWIN M(200021044766)

Under the Guidance of

Ms. ALEENA JAMES

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

For the Partial Fulfilment of B. Sc. Degree in Psychology,

Session 2023

CERTIFICATE

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Guide:

Ms Aleena James

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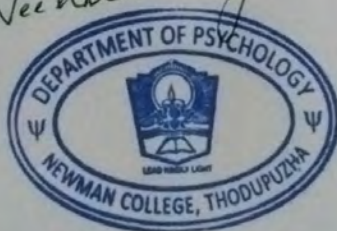
Examiners:

External Examiner:

Dr. Neelima Ranyth
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Internal Examiner:

Aleena James



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Prevalence of Postpartum Depression among Women in Kerala



Newman College
Thodupuzha – 685585

Submitted by:

Ms. BEEMA K. KARIM (200021044778)

Under the Guidance of

Ms. FEMILIN DAVIS

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfilment of B. Sc. Degree in Psychology,
Session 2023

CERTIFICATE

This is to certify that this Project entitled “Prevalence of Postpartum Depression among Women in Kerala” is a study carried out by Ms. Beema K. Karim, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of Ms. Femilin Davis, Assistant Professor, Department of Psychology, Newman College, Thodupuzha.

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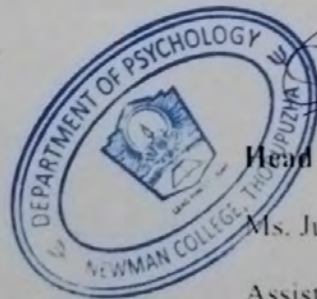
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Head of Department:

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Julia Mackolil
02/05/23

Examiners:

External Examiner:

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Internal Examiner:

Alicene James
02-5-23

Femilin Davis

**Mental Health Continuum and Driving Anger Among Bus Drivers With and Without
Accident History**



Newman College

Thodupuzha – 685585

Submitted by:

Mr BENJAMIN K AJI (200021044767)

Under the Guidance of

Ms. ALEENA JAMES

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

For the Partial Fulfilment of B. Sc. Degree in Psychology,

Session 2023

CERTIFICATE

This is to certify that this Project entitled “**Mental Health Continuum and Driving Anger Among Bus Drivers With and Without Accident History**” is a study carried out by **Mr Benjamin K Aji**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Aleena James**, Assistant Professor, Department of Psychology, Newman College, Thodupuzha..

This is to certify that this work submitted by the candidate as a project for the partial fulfilment of the course- **Project 2 Research Project PY6Pr02** of the B. Sc. Degree in Psychology, has not formed the basis for any degree or diploma to any candidate. This is a bonafide record of the candidate’s personal efforts.

Guide:

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Head of Department:

Ms Julia Mackolil

Assistant Professor

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Examiners:

External Examiner:

Dr. Neelam Raghav
28-05-2023

Internal Examiner:

Aleena James
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**The Effect of Listening to Music on Attention among College Students - An
Experimental Study**



**Newman College
Thodupuzha – 685585**

Submitted by:

BIBINA J(200021044768)

Under the Guidance of
Ms. JULIA MACKOLIL
*Head & Assistant Professor, Dept. of Psychology
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**A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfilment of B. Sc. Degree in Psychology,
Session 2023**

CERTIFICATE

This is to certify that this project entitled “**The effect of listening to music on attention among college students- an experimental study**” is a study carried out by **Bibina j**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Julia Mackolil**, Head & Assistant Professor, Department of Psychology, Newman College, Thodupuzha.

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Guide:

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Head of Department:

Ms Julia Mackolil
Assistant Professor
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External Examiner:

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Internal Examiner:

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Aleena James

The Psychological Hardiness and Self-Efficacy Among NCC Cadets and Non-NCC Students



Newman College

Thodupuzha – 685585

Submitted by:

Mr BILGIN BENCHAMIN (200021044769)

Under the Guidance of

Ms. ALEENA JAMES

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

For the Partial Fulfilment of B. Sc. Degree in Psychology,

Session 2023

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Guide:

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28/4/23

Ms Aleena James

Assistant Professor

Newman College, Thodupuzha

Head of Department:

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28/04/2023

Ms Julia Mackolil

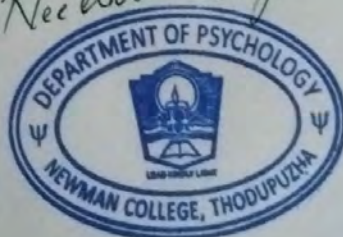
Assistant Professor

Newman College, Thodupuzha

Examiners:

External Examiner:

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28-6-23
Dr. Neelima Raghav



Internal Examiner:

[Signature]
2-5-23

Aleena James

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Comparison of Religiosity among College Students



Newman College
Thodupuzha – 685585

Submitted by:

Mr. CALEB BEN PHILIP (200021044779)

Under the Guidance of
Ms. FEMILIN DAVIS
Assistant professor, Dept. of Psychology
Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

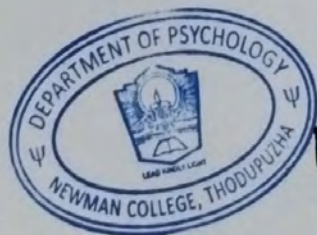
For the Partial Fulfilment of B. Sc. Degree in Psychology,

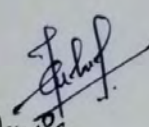
Session 2023

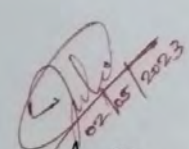
CERTIFICATE

This is to certify that this project entitled "Comparison Of Religiosity Among College Students" is a study carried out by **Mr. Caleb Ben Philip**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Femilin Davis**, Assistant Professor, Department of Psychology, Newman College, Thodupuzha.

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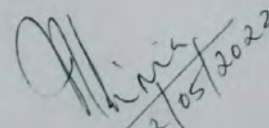


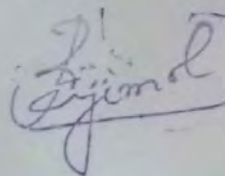
Guide : 
 Ms. Femilin Davis
 Assistant Professor
 Newman College, Thodupuzha


 Head of Department:
 Ms. Julia Mackalid
 Assistant Professor
 Newman College, Thodupuzha.

Examiners :

External Examiner :


 Dr. Neelima Ranyth Internal Examiner :



**The Effect of Listening to Music on Attention among College Students - An
Experimental Study**



**Newman College
Thodupuzha – 685585**

Submitted by:

Dwija M (200021044770)

Under the Guidance of
Ms. JULIA MACKOLIL
Head & Assistant Professor, Dept. of Psychology
Newman College, Thodupuzha

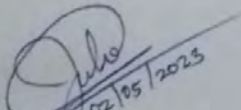


**A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfilment of B. Sc. Degree in Psychology,
Session 2023**

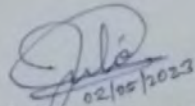
CERTIFICATE

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02/05/2023
Guide:

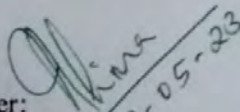
Ms Julia Mackolil
Head of Department
Assistant Professor
Newman College, Thodupuzha


02/05/2023
Head of Department:

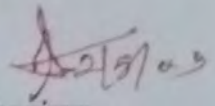
Ms Julia Mackolil
Assistant Professor
Newman College, Thodupuzha

Examiners:

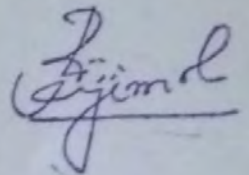
External Examiner:


02-05-23

Internal Examiner:


Aeene James





The Psychological Hardiness and Self-Efficacy Among NCC Cadets and Non-NCC Students



Newman College

Thodupuzha – 685585

Submitted by:

Mr RAHUL RAJESH(200021044781)

Under the Guidance of

Ms. ALEENA JAMES

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

For the Partial Fulfilment of B. Sc. Degree in Psychology,

Session 2023

CERTIFICATE

This is to certify that this Project entitled “**The Psychological Hardiness and Self-Efficacy Among NCC Cadets and Non-NCC Students**” is a study carried out by **Mr Rahul Rajesh**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Aleena James**, Assistant Professor, Department of Psychology, Newman College, Thodupuzha..

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Guide:

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28/1/23

Ms Aleena James

Assistant Professor

Newman College, Thodupuzha

Head of Department:

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28/01/2023

Ms Julia Mackolil

Assistant Professor

Newman College, Thodupuzha

Examiners:

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202-05-2023

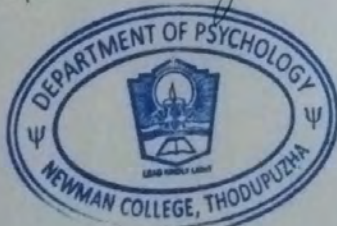
External Examiner:

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Dr. Neelima Ragh.

Internal Examiner:

[Signature]
2-5-23

[Signature]
Aleena James



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Prevalence of Postpartum Depression Among Women in Kerala



Newman College
Thodupuzha – 685585

Submitted by:

SILPA E.S (200021044772)

Under the Guidance of

Ms. FEMILIN DAVIS

Head & Assistant Professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

For the Partial Fulfillment of B. Sc. Degree in Psychology,

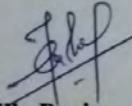
Session 2023

CERTIFICATE

This is to certify that this Project entitled "Prevalence of Postpartum Depression among Women in Kerala" is a study carried out by **Silpa E.S**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Femilin Davis**, Assistant Professor, Department of Psychology, Newman College, Thodupuzha.

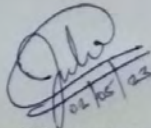
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Guide:


Ms Femilin Davis

Assistant professor

Newman College, Thodupuzha

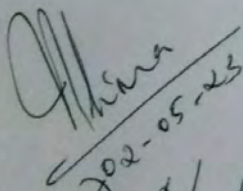

Head of Department

Ms Julia Makolil

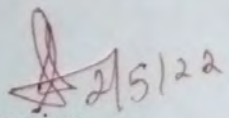
Assistant Professor

Newman College, Thodupuzha

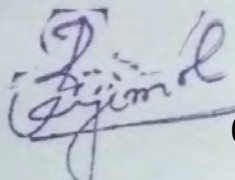
Examiners:


External Examiner

Dr. Neelam Ragh.


Internal Examiner

Aleena James





**Understanding and Analyzing the Perception of Mental Health
Professionals about Sexual Behaviors Exhibited by Children**



Newman College
Thodupuzha – 685585

Submitted by:

SREEJA. L

(200021044773)

Under the Guidance of

Ms. JULIA MACKOLIL

Head & Assistant Professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfillment of B. Sc. Degree in Psychology,
Session 2023

CERTIFICATE

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Guide:

Ms Julia Mackolil

Head & Assistant Professor

Newman College, Thodupuzha

Examiners:

External Examiner:

Dr. Neelima Raghav
22-05-23

Head of Department:

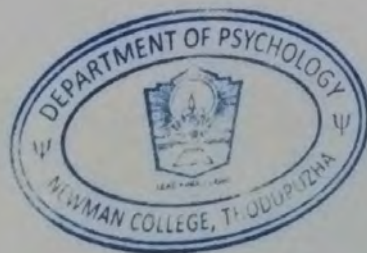
Ms Julia Mackolil

Head & Assistant Professor

Newman College, Thodupuzha

Internal Examiner:

Alexis James
25/23



Prasad

**Mental Health Continuum and Driving Anger Among Bus Drivers With and Without
Accident History**



Newman College

Thodupuzha – 685585

Submitted by:

Mr SREERAJ BABU (200021044782)

Under the Guidance of

Ms. ALEENA JAMES

Assistant professor, Dept. of Psychology

Newman College, Thodupuzha



A Project Study Submitted to Mahatma Gandhi University, Kottayam

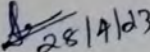
For the Partial Fulfilment of B. Sc. Degree in Psychology,

Session 2023

CERTIFICATE

This is to certify that this Project entitled “**Mental Health Continuum and Driving Anger Among Bus Drivers With and Without Accident History**” is a study carried out by **Mr Sreeraj Babu**, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of **Ms Aleena James**, Assistant Professor, Department of Psychology, Newman College, Thodupuzha..

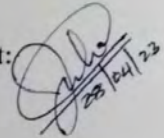
This is to certify that this work submitted by the candidate as a project for the partial fulfilment of the course- **Project 2 Research Project PY6Pr02** of the B. Sc. Degree in Psychology, has not formed the basis for any degree or diploma to any candidate. This is a bonafide record of the candidate’s personal efforts.

Guide:  28/4/23

Ms Aleena James

Assistant Professor

Newman College, Thodupuzha

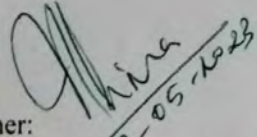
Head of Department: 

Ms Julia Mackolil

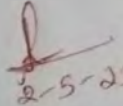
Assistant Professor

Newman College, Thodupuzha

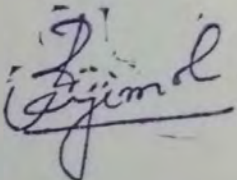
Examiners:

External Examiner:  28-05-23

Dr. Neehari Raveesh

Internal Examiner:  2-5-23

Aleena James



Prevalence of Postpartum Depression among Women in Kerala



Newman College
Thodupuzha – 685585

Submitted by:

Ms. THANSI KASSIM (200021044774)

Under the Guidance of
Ms. FEMILIN DAVIS
Assistant professor, Dept. of Psychology
Newman College, Thodupuzha



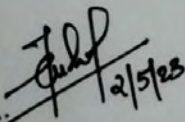
A Project Study Submitted to Mahatma Gandhi University, Kottayam
For the Partial Fulfilment of B. Sc. Degree in Psychology,
Session 2023

CERTIFICATE

This is to certify that this Project entitled "Prevalence of Postpartum Depression among Women in Kerala" is a study carried out by Ms. Thansi Kassim, Department of Psychology, Newman College, Thodupuzha, under the supervision and guidance of Ms Femilin Davis, Assistant Professor, Department of Psychology, Newman College, Thodupuzha..

This is to certify that this work was submitted by the candidate as a project for the partial fulfilment of the course- project 2 Research Project PY6Pr02 of the B. Sc. Degree in Psychology, has not formed the basis for any degree or diploma to any candidate. This is a bonafide record of the candidate's personal efforts.

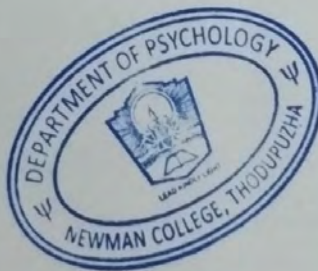
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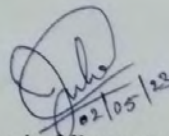
Ms Femilin Davis

Assistant Professor

Newman College, Thodupuzha



Head of Department:



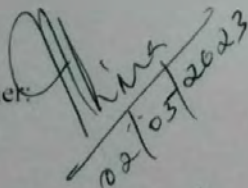
Ms Julia Mackolil

Assistant Professor

Newman College, Thodupuzha

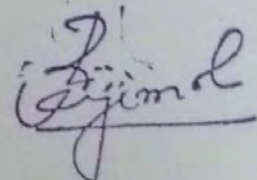
Examiners:

External Examiner:



Dr. Neelani Raghavan

Internal Examiner:



CERTIFICATE

This is to certify that the dissertation "A STUDY ON THE DIVERSITY OF PESTS IN THREE DIFFERENT HABITATS OF IDUKKI DISTRICT, KERALA" is an authentic record of the project work done by Mr. **Abhimon.P.Dinesh**, under the supervision of Mrs. Jisha Jacob, Head of the Department, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.



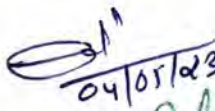

Prof. Jisha Jacob

HOD

Department of Zoology



Valued by Examiners:

1. Dr. Vinod K.V. 
04/05/23
2. Jisha Jacob 

Place; Thodupuzha

Date:

CERTIFICATE

This is to certify that the dissertation entitled "Impact of print media in developing anti-conservation attitude among inhabitants of human wildlife conflict regions of western ghats Kerala, India" is an authentic record of the project work done by Mr. **Aiswarya Roy** under the supervision and guidance of Mr. Bany Joy, Assistant Professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Jisha Jacob 


Mr. BANY JOY 

ASSISTANT PROFESSOR

Head of the department
Department of Zoology
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Thodupuzha

NEWMAN COLLEGE, THODUPUZHA



Examiner 1 Dr. Vinod K.V. 

Examiner 2 Jisha Jacob 

Place : Thodupuzha

Date :

CERTIFICATE

This is to certify that the dissertation "**COMPARATIVE STUDY ON THE LIGHT ATTRACTING BEETLES IN XTH WARD EDAVETTY, THODUPUZHA**" is an authentic record of the project work done by **Mr. Albin Shaji**, under the supervision of Ms. Jisha Jacob, Head of the Department, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.

Prof. Jisha Jacob
HOD
Department of Zoology



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04/05/21

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This is to certify that the dissertation "COMPARITIVE STUDY ON THE LIGHT ATTRACTIVE BEETLES IN XTH WARD EDAVETTY, THODUPUZHA" is an authentic record of the project work done by **Ms. Aleena Antony** under the supervision of Ms.Jisha Jacob, Asst.professor, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.

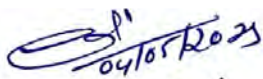

Prof. Jisha Jacob
HOD
Dept of Zoology



Ms. Jisha Jacob
Asst. Professor
Dept of Zoology



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Date : 04/05/2023

CERTIFICATE

This is to certify that the dissertation entitled “**DETECTION OF ADULTERANTS IN MILK**” is an authentic record of the project work done by **Ms. Aleena Varghese** under the supervision and guidance of Mr. Bany Joy, Assistant professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

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Mr. Bany Joy

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Department of Zoology



Assistant professor

Department of zoology

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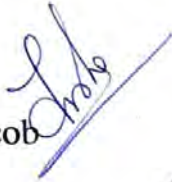
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CERTIFICATE

This is to certify that the dissertation “Locomotory behaviour response of *Poecilia reticulata* to stress of various temperature and tonicity” is an authentic record of the project work done by Ms. Alfiya Shaji under the supervision of Ms. Alphin Rose Mathew, Guest lecturer, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.



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Ms. Alphin Rose Mathew
Guest lecturer
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CERTIFICATE

This is to certify that the dissertation entitled "COMPARITIVE STUDY ON HUMAN WILDLIFE CONFLICT IN PERIYAR TIGER RESERVE AND MARAYOOR" is an authentic record of the project work done by Amal Raveendran CT under the supervision and guidance of Assistant Professor Bany Joy, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.



Asst. Prof. Bany Joy

Department of Zoology



Prof. Jisha Jacob

Head of the Department

Department of Zoology



Examiner 1 Dr. Vinod K.V.




Examiner 2

Jisha Jacob 


Place : Thodupuzha

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This is to certify that the dissertation "A STUDY ON THE BEHAVIOUR OF DOGS AND A SURVEY ON THE TYPES OF DISEASES OF DOMESTIC DOGS" is an authentic record of the project work done by **Ms. Amilda Rose Chacko** under the supervision of Ms. Alkka Rejimon, Guest lecturer, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.


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Dept of Zoology




Ms. Alkka Rejimon
Guest lecturer
Dept of Zoology

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04/05/23
2. Jisha Jacob 

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This is to certify that the dissertation entitled "Impact of print media in developing anti-conservation attitude among inhabitants of human wildlife conflict regions of western ghats Kerala, India" is an authentic record of the project work done by Mr. Amrutha K Sudhan under the supervision and guidance of Mr. Bany Joy, Assistant Professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Jisha Jacob Loke

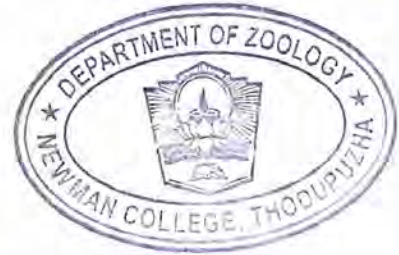
Mr. BANY JOY



Head of the department
Department of Zoology
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Thodupuzha

ASSISTANT PROFESSOR

NEWMAN COLLEGE, THODUPUZHA



Examiner 1 Dr. Vinod K.V. 
04/05/23

Examiner 2 Jisha Jacob Loke

Place : Thodupuzha

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CERTIFICATE

This is to certify that the dissertation entitled "Impact of print media in developing anti-conservation attitude among inhabitants of human wildlife conflict regions of western ghats Kerala, India" is an authentic record of the project work done by Mr. **Anjana G Krishnan** under the supervision and guidance of Mr. Bany Joy, Assistant Professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Jisha Jacob *Jisha*

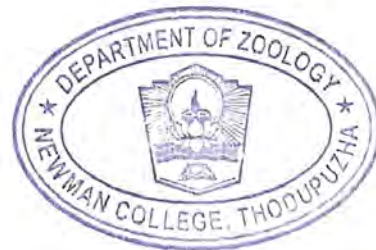
Mr. BANY JOY *Bany Joy*

ASSISTANT PROFESSOR

Head of the department
Department of Zoology
Newman College
Thodupuzha

NEWMAN COLLEGE, THODUPUZHA

Examiner 1 Dr. Vinod K.V. *Vinod*



Examiner 2 Jisha Jacob *Jisha*

Place : Thodupuzha

Date : 04/05/2023

CERTIFICATE


This is to certify that the dissertation "**COMPARATIVE STUDY ON THE LIGHT ATTRACTING BEETLES IN XTH WARD EDAVETTY, THODUPUZHA**" is an authentic record of the project work done by **Ms. Anjana TS**, under the supervision of Ms. Jisha Jacob, Head of the Department, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.



Prof. Jisha Jacob
HOD
Department of Zoology



Valued by Examiners:

1. Dr. Vinod K.V. 
04/05/23

2. Jisha Jacob 

Place: Thodupuzha

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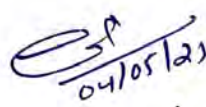

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Prof. Jisha Jacob
HOD
Dept of Zoology



Ms. Alphin Rose Mathew
Guest lecturer
Dept of Zoology

Valued by Examiners:

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2. Jisha Jacob 

Place : Thodupuzha

Date : 04/05/2023

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This is to certify that the dissertation entitled "**DETECTION OF ADULTERANTS IN MILK**" is an authentic record of the project work done by **Ms. Ansha PS** under the supervision and guidance of Mr. Bany Joy, Assistant professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Prof. Jisha Jacob



Mr. Bany Joy

HOD

Department of Zoology

Assistant professor

Department of zoology

Valued by Examiner:

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04/05/23

2. Jisha Jacob

Place: Thodupuzha

Date: 04.05.2023

CERTIFICATE

This is to certify that the dissertation "AN ANALYSIS OF WATER QUALITY IN THREE DIFFERENT AREAS OF THODUPUZHA RIVER" is an authentic record of the project work done by **Ms. ANSHITHA JEBBAR** under the supervision of **Ms. ALPHIN ROSE MATHEW**, Guest Lecturer, in partial fulfilment of the requirements for The Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.


ALPHIN ROSE MATHEW

Guest Lecturer

Department of Zoology

Forwarded by:


PROF. JISHA JACOB

Head of the department

Department of Zoology



Valued by examiners

1. Dr. Vinod K.V.

2. Jisha Jacob

Place: Thodupuzha

Date: 04-05-2023

CERTIFICATE


This is to certify that the dissertation entitled "STUDY OF ECONOMICALLY IMPORTANT INSECTS IN THREE DIFFERENT AREAS IN IDUKKI DISTRICT" is an authentic record of the project work done by Ms. Ashitha Rasheed under the supervision and guidance of Ms. Jisha Jacob, Assistant professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Prof. Jisha Jacob
HOD
Department of Zoology



Ms, Jisha Jacob
Assistant professor
Department of zoology

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2. Jisha Jacob 

Place: Thodupuzha

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CERTIFICATE

This is to certify that the dissertation "Effect of Plant Based Larvicide on Mosquito Larva and other Co-Habitants" is an authentic record of the project work done by Ms. **Asin Augustine** under the supervision and guidance of Ms. Alkka Rejimon, guest lecturer, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.



Prof. Jisha Jacob

HOD

Department of Zoology

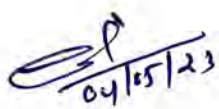


Ms. Alkka Rejimon

Guest Lecturer

Department of Zoology

Valued by Examiners:

1. Dr. Vinod K V. 
04/05/23


2. Jisha Jacob 


Place : Thodupuzha

Date : 4 April 2023

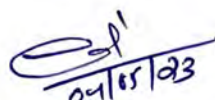

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Prof. Jisha Jacob
HOD
Dept of Zoology

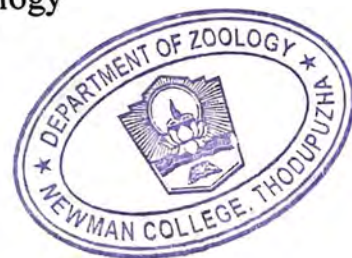

Ms. Alphin Rose Mathew
Guest lecturer
Dept of Zoology

Valued by Examiners:

1. Dr. Vinod K.V. 
04/05/23
2. Jisha Jacob 

Place : Thodupuzha

Date : 04/05/2023



CERTIFICATE

This is to certify that the dissertation "A STUDY ON THE DIVERSITY OF PESTS IN THREE DIFFERENT HABITATS OF IDUKKI DISTRICT, KERALA" is an authentic record of the project work done by **Mr. Deepak**, under the supervision of Mrs. Jisha Jacob, Head of the Department, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.



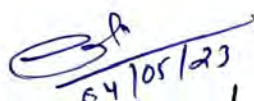
Prof. Jisha Jacob


HOD

Department of Zoology



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1. Dr. Vinod K.V. 
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2. Jisha Jacob 

Place: Thodupuzha

Date: 4/5/2023

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Prof. Jisha Jacob.HOD

Department of Zoology

Examiner 1. D.R VINOD K.V



Examiner 2. JISHA JACOB

Place: Thodupuzha

Date: 4-5-2023

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Department of Zoology



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Examiner 2. JISHA JACOB



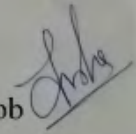
Place: Thodupuzha

Date: 4-5-2023

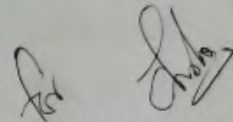
CERTIFICATE

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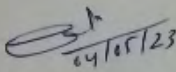
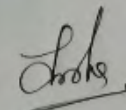
Prof. Jisha Jacob
HOD
Dept of Zoology



Ms. Alkka Rejimon
Guest lecturer
Dept of Zoology



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2. Jisha Jacob 

Place : Thodupuzha

Date : 19/05/2022

CERTIFICATE

This is to certify that the dissertation entitled "A BEHAVIOURAL STUDY OF ANTLION LARVAE AND THE CORRELATION BETWEEN PIT SIZE AND LARVAL SIZE (Myrmeleontidae)" is an authentic record of the project work done by **Ms. Hrudya Jaimon** under the supervision and guidance of Ms. Alkka Rejimon, Guest Lecturer, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Prof. Jisha Jacob



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Department of Zoology

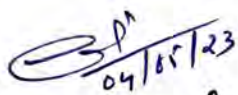



Ms, Alkka Rejimon

Guest Lecturer

Department of zoology

Valued by Examinar:

1. Dr. Vinod K-V.  04/05/23

2. Jisha Jacob 

Place: Thodupuzha

Date:



CERTIFICATE

This is to certify that the dissertation "AN ANALYSIS OF WATER QUALITY IN THREE DIFFERENT AREAS OF THODUPUZHA RIVER" is an authentic record of the project work done by **Ms. IRENE DAVID** under the supervision of Ms. **ALPHIN ROSE MATHEW**, Guest Lecturer, in partial fulfilment of the requirements for The Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.


ALPHIN ROSE MATHEW

Guest Lecturer

Department of Zoology

Forwarded by:


PROF. JISHA JACOB

Head of the department

Department of Zoology



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1. Dr. Vinod K.V.

2. Jisha Jacob

Place: Thodupuzha

Date: 04-05-2023

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This is to certify that the dissertation “Effect of Plant Based Larvicide on Mosquito Larva and other Co-Habitants” is an authentic record of the project work done by **Mr. Jabirali P S** under the supervision and guidance of Ms. Alkka Rejimon, guest lecturer, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.

Prof. Jisha Jacob

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Department of Zoology





Ms. Alkka Rejimon

Guest Lecturer

Department of Zoology

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2. Jisha Jacob 

Place : Thodupuzha

Date : 4 April 2023

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This is to certify that the dissertation entitled "**DETECTION OF ADULTERANTS IN MILK**" is an authentic record of the project work done by **Mr. Jim Jacob Saji** under the supervision and guidance of Mr. Bany Joy, Assistant professor, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Prof. Jisha Jacob



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Department of Zoology

Mr. Bany Joy

Assistant professor

Department of zoology

Valued by Examiner:

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2. Jisha Jacob

Place: Thodupuzha

Date: 04-05-2023

04/05/23
Jisha

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This is to certify that the dissertation entitled “**BIOPESTICIDES FOR STORED FOOD GRAINS**” is an authentic record of the project work done by **JOMS JOHN** under the supervision and guidance of Prof. Jisha Jacob, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Prof. Jisha Jacob.HOD

Department of Zoology

Examiner 1. D.R VINOD K.V


04/6/23

Examiner 2. JISHA JACOB



Place: Thodupuzha

Date: 4-5-2023



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This is to certify that the dissertation "A STUDY ON THE DIVERSITY OF PESTS IN THREE DIFFERENT HABITATS OF IDUKKI DISTRICT, KERALA" is an authentic record of the project work done by **Mr. Joyal Johnson**, under the supervision of Mrs. Jisha Jacob, Head of the Department, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.



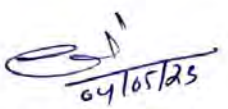

Prof. Jisha Jacob

HOD

Department of Zoology



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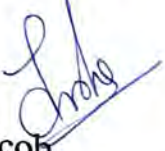
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2. Jisha Jacob 

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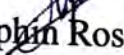
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Ms. Alphin Rose Mathew
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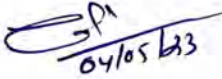

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Ms. Alphin Rose Mathew
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Department of Zoology

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Ms. Alkka Rejimon
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Prof. Jisha Jacob

Head of the Department

Department of Zoology




Mr. Bany Joy

Asst. Professor

Department of Zoology

Examiner 1 *Dr. Vinod K.V.* 
04/05/25

Examiner 2 *Jisha Jacob* 

Place : Thodupuzha

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This is to certify that the dissertation entitled "A BEHAVIOURAL STUDY OF ANTLION LARVAE AND THE CORRELATION BETWEEN PIT SIZE AND LARVAL SIZE (Myrmeleontidae)" is an authentic record of the project work done by **Ms. Neenumol Biju** under the supervision and guidance of Ms. Alkka Rejimon, Guest Lecturer, in partial fulfillment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree or diploma earlier.

Prof. Jisha Jacob



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Department of Zoology

for 
Ms, Alkka Rejimon

Guest Lecturer

Department of zoology

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Place: Thodupuzha

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Prof. Jisha Jacob



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Department of Zoology

Ms, Jisha Jacob

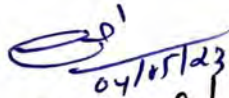


Assistant professor

Department of zoology

Valued by Examinar:

1. Dr. Vinodk.V.

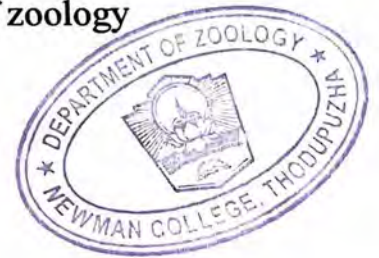


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This is to certify that the dissertation "AN ANALYSIS OF WATER QUALITY IN THREE DIFFERENT AREAS OF THODUPUZHA RIVER" is an authentic record of the project work done by Ms. **SHYAMILY P J** under the supervision of Ms. **ALPHIN ROSE MATHEW**, Guest Lecturer, in partial fulfilment of the requirements for The Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.


ALPHIN ROSE MATHEW

Guest Lecturer

Department of Zoology

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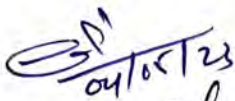

PROF. JISHA JACOB


Head of the department

Department of Zoology



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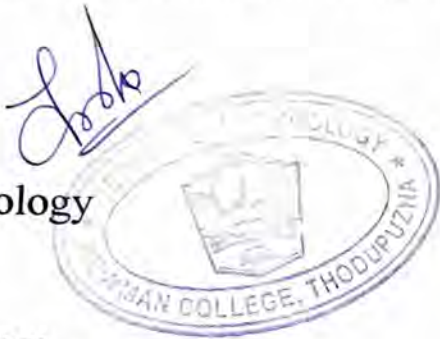
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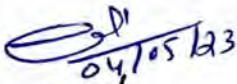

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Prof. Jisha Jacob
HOD
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Ms, Jisha Jacob
Assistant professor
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2. Jisha Jacob 

Place: Thodupuzha

Date: 04.05.2023

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This is to certify that the dissertation “**A comparative study of quality of honey from natural habitat & market**” is an authentic record of the project work done by **Ms. Souparnika Satheeshan** under the supervision of Ms. Alphin Rose Mathew, Guest lecturer, in partial fulfilment of the requirements for the Degree of Bachelor of Science in Zoology and this report has not formed the basis for the award of any degree, diploma earlier.





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Ms. Alphin Rose Mathew
Guest lecturer
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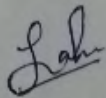


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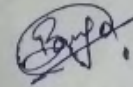
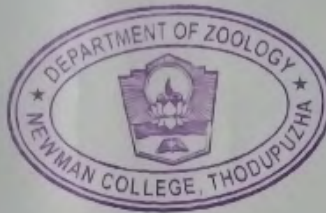
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Smt Jisha Jacob

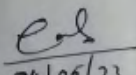
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Sri.Bany Joy

Assistant professor
Department of Zoology

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1. Dr.Vinod K.V 
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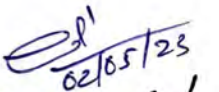
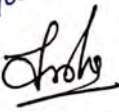


Prof. Jisha Jacob
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Ms, Jisha Jacob
Assistant professor
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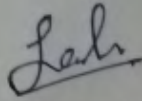
1. Dr. Vinod kv. 
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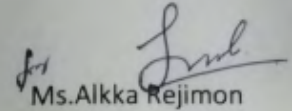
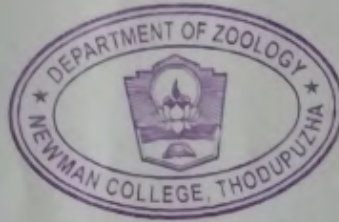
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Smt Jisha Jacob

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Department of Zoology

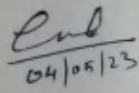


Ms. Alkka Regimon

Guest Lecturer

Department of Zoology

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Date: 4/4/2023

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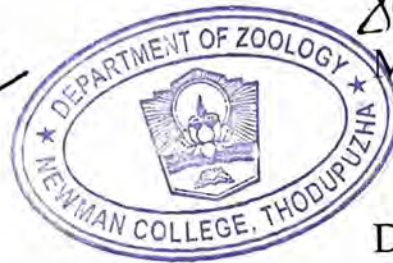
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Department of Zoology




Ms, Alkka Rejimon

Guest Lecturer

Department of zoology

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04/10/23

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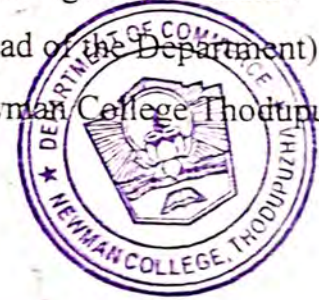
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Capt. Prageesh C Mathew

(Head of the Department)

Newman College Thodupuzha



Place: Thodupuzha

Date: 31/03/2023



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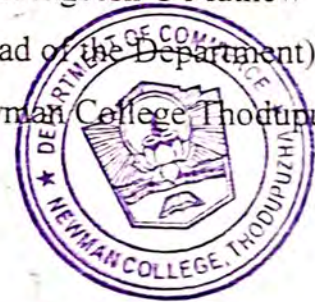
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Capt. Prageesh C Mathew
(Head of the Department)

Newman College, Thodupuzha



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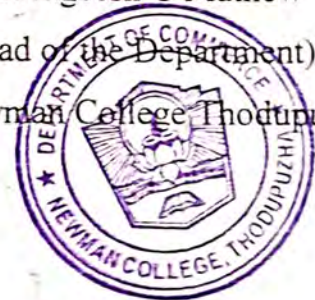
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Newman College, Thodupuzha



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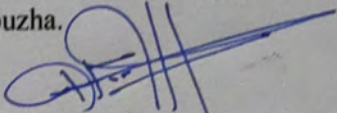
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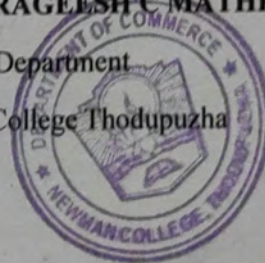
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CAPT. PRAGEESH C MATHEW

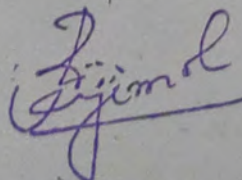
Head of Department

Newman College Thodupuzha



Place: Thodupuzha

Date: 31-03-2023



DR BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

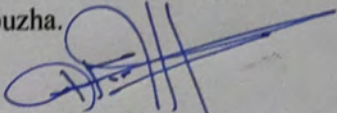
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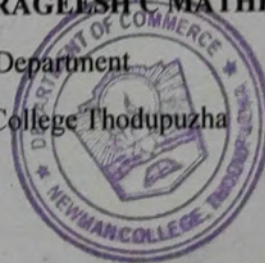
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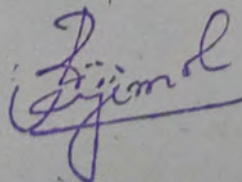
Head of Department

Newman College Thodupuzha



Place: Thodupuzha

Date: 31-03-2023



DR BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

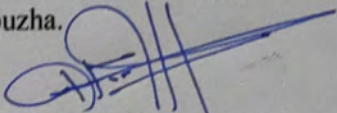
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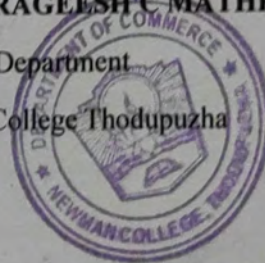
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CAPT. PRAGEESH C MATHEW

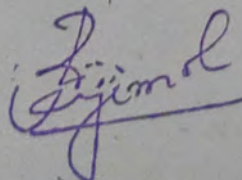
Head of Department

Newman College Thodupuzha



Place: Thodupuzha

Date: 31-03-2023



DR BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE
THODUPUZHA

DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA



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Mr. JOEL GEORGE

Assistant Professor

Department Of Commerce

Newman College

Thodupuzha.

Place: Thodupuzha

Date: 31-03-2023

External Examiner

POSTGRADUATE DEPARTMENT OF COMMERCE

NEWMAN COLLEGE, THODUPUZHA



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This is to certify that the work entitled "A study on the use of part-time job opportunities and financial independence among college students in Idukki district" is a bonafide piece of research done by **ALAN SIJU**, RITA MARY LALSON and ROSHAN SHAJI, B.com Final year Students, Department of Commerce, Newman college, Thodupuzha during the academic year 2020-2023 under my guidance and supervision, in partial fulfillment of the requirement for the award of the Degree of Bachelor of Commerce of Mahatma Gandhi University, Kottayam.

Counter signed by,

Capt. Prageesh C. Mathew

Head of the Department

Newman College, Thodupuzha



Guide and Supervisor

Ms. Josmi Thomas

Asst. Professor

Newman College, Thodupuzha

Place: Thodupuzha

Date: 31/3/2023

DR BIJIMOL THOMAS
PRINCIPAL-IN-CHARGE
NEWMAN COLLEGE,
THODUPUZHA

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Counter signed by,

Capt. Prageesh C. Mathew

Head of the Department

Newman College, Thodupuzha



Guide and Supervisor

Ms. Josmi Thomas

Asst. Professor

Newman College, Thodupuzha

Place: Thodupuzha

Date: 31/3/2023

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THODUPUZHA

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Counter signed by,

Capt. Prageesh C. Mathew

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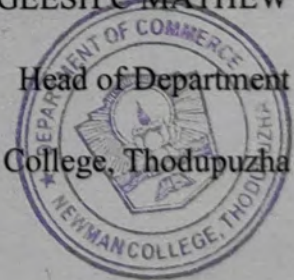
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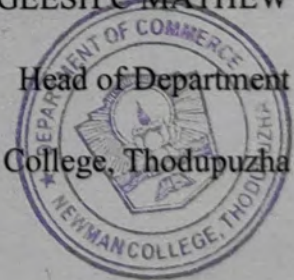
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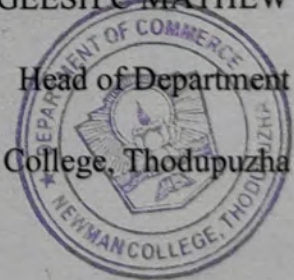
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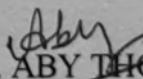
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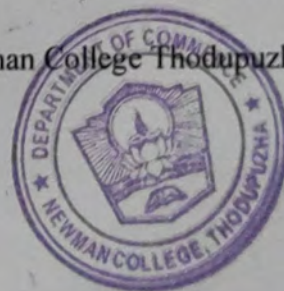
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Place: Thodupuzha

Date: 31/03/2023

Capt. Prageesh C Mathew

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Mrs. Beena Deepthi Louis

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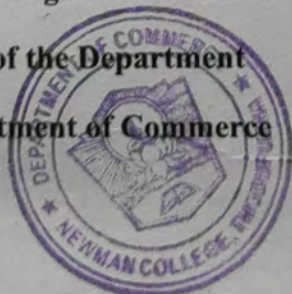
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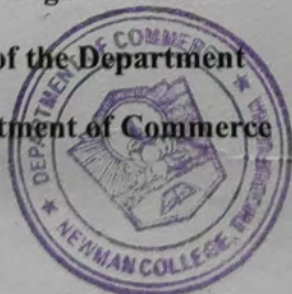
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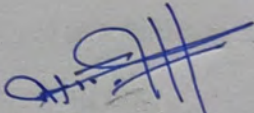
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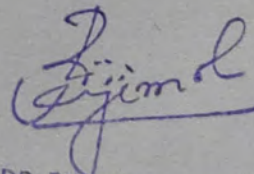

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Head of Department
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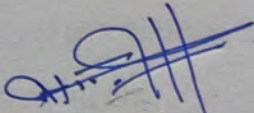
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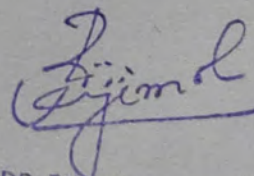

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Newman College Thodupuzha



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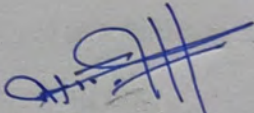

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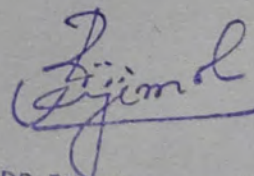

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Dr. BONEY BOSE

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Department of Commerce

Newman College, Thodupuzha.

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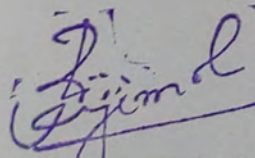
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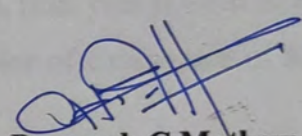


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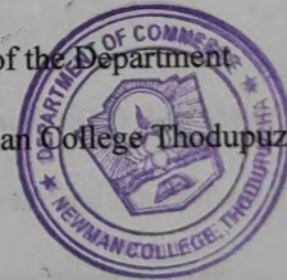
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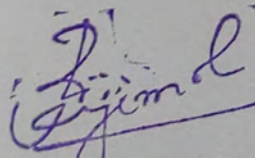


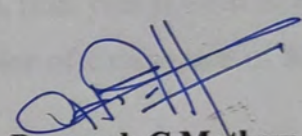
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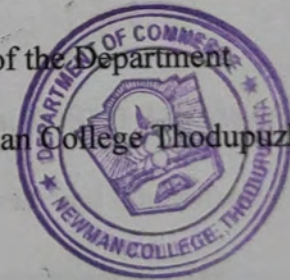
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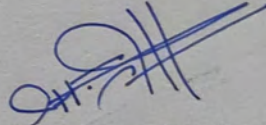



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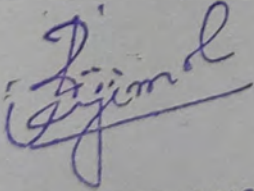
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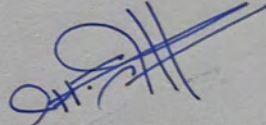



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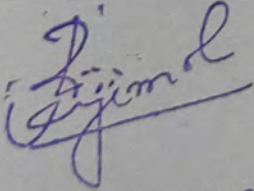
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External Examiner

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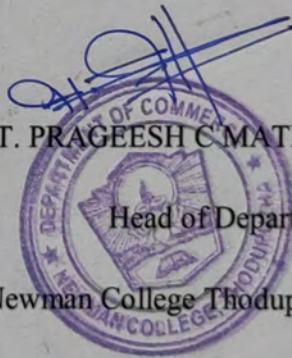
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CAPT. PRAGEESH C MATHEW

Head of Department

Newman College Thodupuzha



Place: Thodupuzha

Date: 31/03/2023

A handwritten signature in blue ink, which appears to read "Bijimol".

DR BIJIMOL THOMAS
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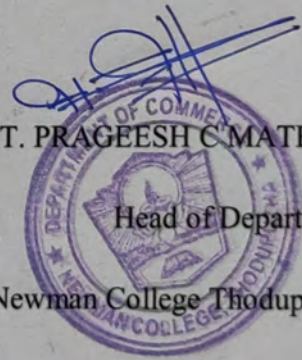
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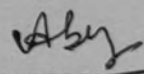
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Mr.ABY THOMAS

Assistant Professor

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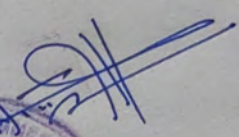
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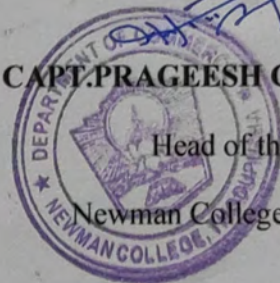


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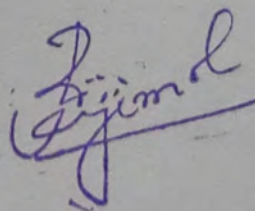

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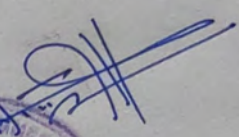
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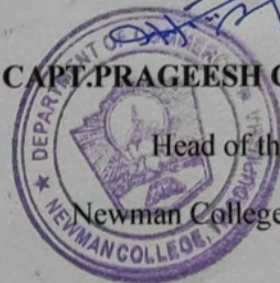


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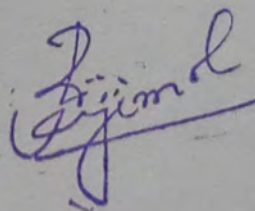

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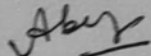
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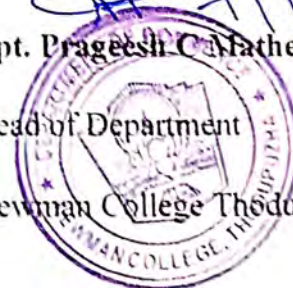
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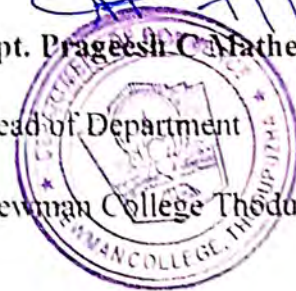
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Date: 31/03/2023

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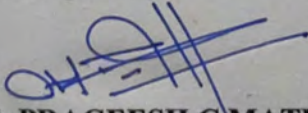
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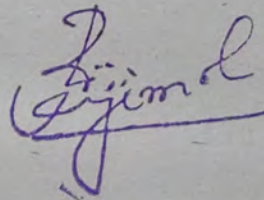
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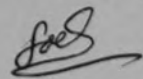
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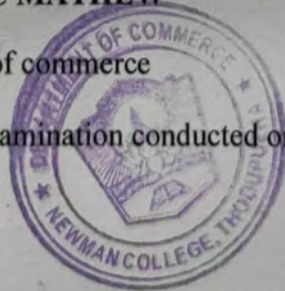
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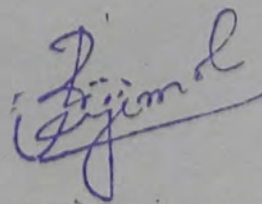
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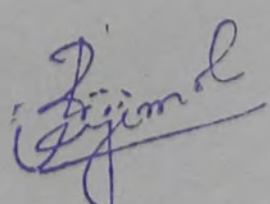
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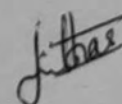
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Asst. Professor

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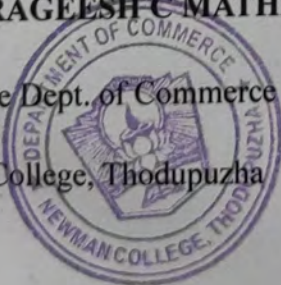
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Head of the Dept. of Commerce

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Assistant Professor, Dept. of Commerce

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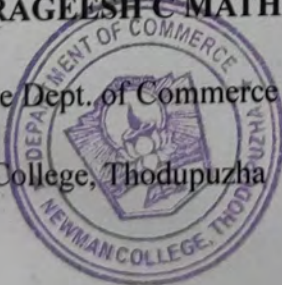
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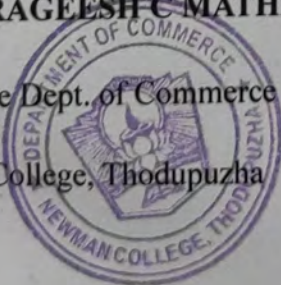
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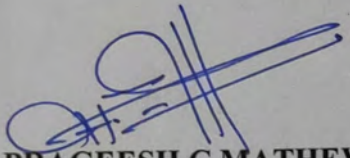


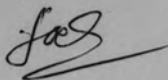
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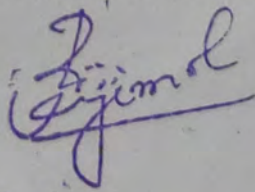
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Place: Thodupuzha

Date: 31/03/2023

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Head of Department of commerce

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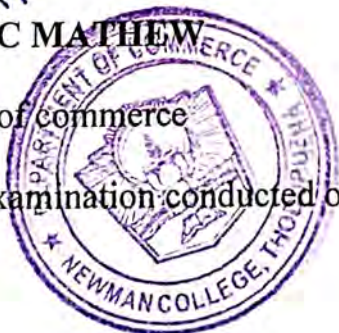
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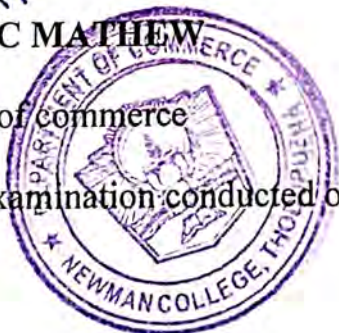
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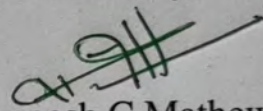
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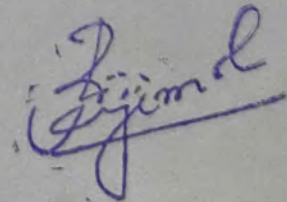

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Head of the Department of Commerce
Newman College
Thodupuzha - 686 585
Newman College, Thodupuzha

Place: Thodupuzha

Date :



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Dr. Divya James

(Guide and Supervisor)

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Capt. Prageesh C Mathew

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Newman College, Thodupuzha



Place: Thodupuzha

Date: 6-6-22

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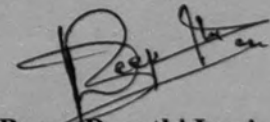


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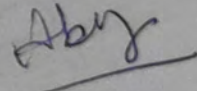


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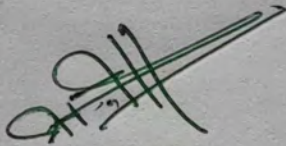


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(Guide and Supervisor)

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Capt. Prageesh C Mathew

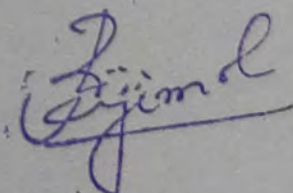
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Ms. Anitha Thomas

(Guide and Supervisor)

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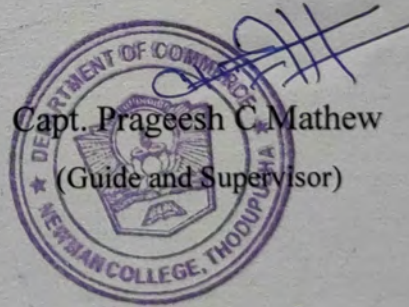
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Newman College
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Date: 06/6/2022



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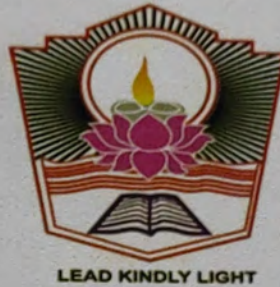


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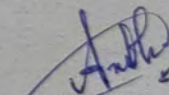


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Capt. Prageesh C. Mathew

Supervising Guide

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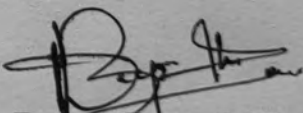
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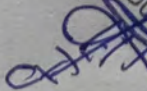
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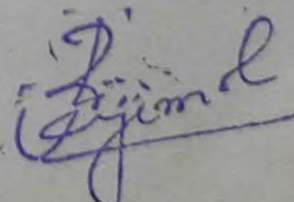
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Thodupuzha - 685 585

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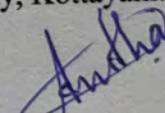

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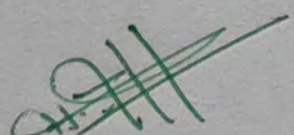


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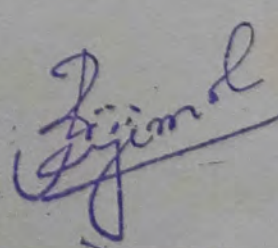
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Ms. Anitha Thomas
(Guide and Supervisor)



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Capt. Prageesh C Mathew
HEAD
of the Department of Commerce
Newman College
Thodupuzha 685 585

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Mr. Joel George

(Guide and Supervisor)



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Capt. Prageesh C Mathew

Head of the Department of Commerce

Newman College, Thodupuzha

Place: Thodupuzha

Date : 06/06/22.

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Newman College
Thodupuzha - 685 585

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Counter signed by:

Capt. Prageesh C Mathew P.G. Department of Commerce
Newman College
Thodupuzha - 685 585

Head of the Department

Post Graduate Department of Commerce

Newman College Thodupuzha

Place: Thodupuzha

Date :



Mr. Aby Thomas

Guide and supervisor

Assistant Professor

DR BIJIMOL THOMAS
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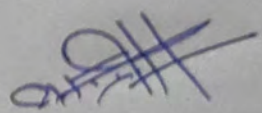
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Place: Thodupuzha

Date: 06/06/2022

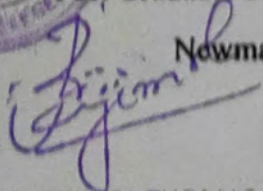



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Signature: **[Signature]**

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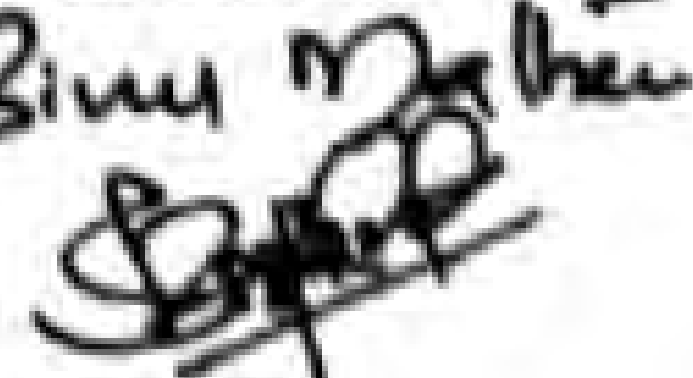
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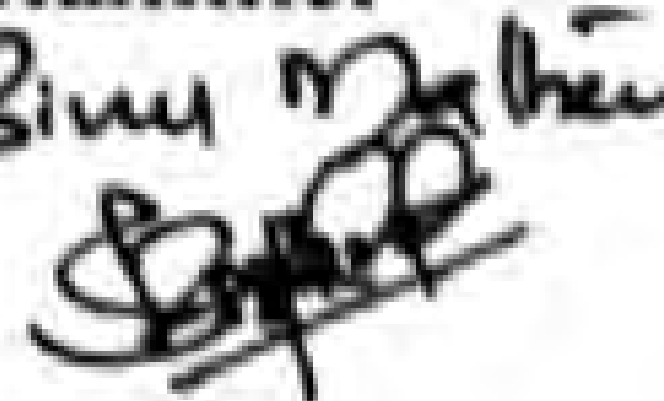
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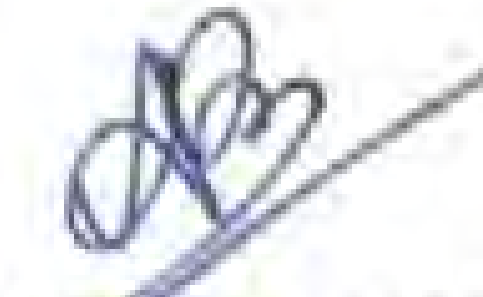
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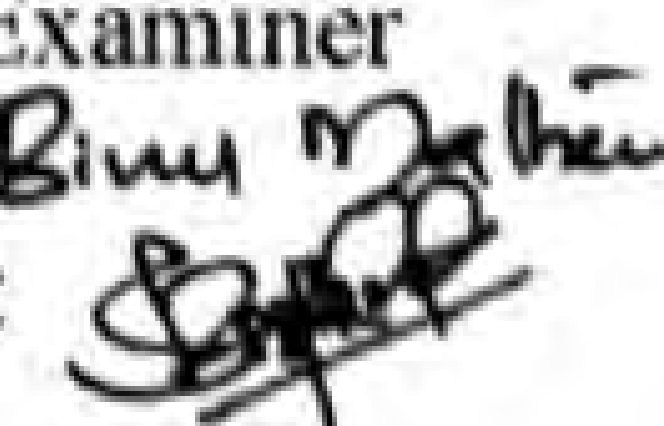
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This is to certify that the project work entitled "A STUDY ABOUT THE CONSUMER BUYING BEHAVIOUR TOWARDS ELECTRIC VEHICLES WITH SPECIAL REFERENCE TO THODUPUZHA TALUK" is the bonafide work done by **Gayathri Harikumar** (Reg No.200021078123), Gouri K (Reg No.200021078127), Josna Jose (Reg No 200021078133) and Sandra Suresh (Reg No.200021078139) B.COM final year students of the Undergraduate Department of Commerce, Newman College, Thodupuzha during 2022-2023 under my supervision and guidance in partial fulfilment of the requirement for the award of Degree of Bachelor of Commerce of Mahatma Gandhi University Kottayam.

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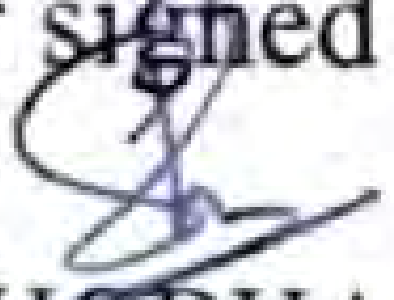


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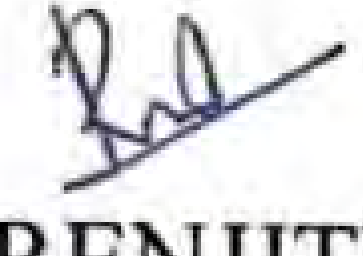
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MS. RENJITHA KR
ASSISTANT PROFESSOR
DEPT. OF COMMERCE [SF]
NEWMAN COLLEGE
THODUPUZHA

Submitted for the Viva-voce Examination held on 03/05/2023

Place: THODUPUZHA

Date: 31/03/2023

External Examiner

Name: Bini Nisha

Signature: 

NEWMAN COLLEGE THODUPUZHA

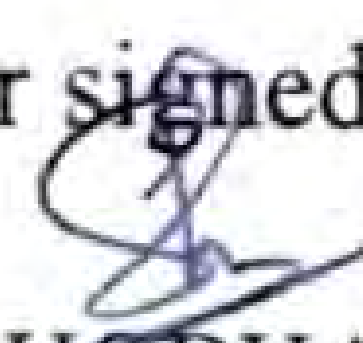


CERTIFICATE


This is to certify that the project work entitled “**A STUDY ON FINANCIAL LITERACY OF WOMEN ENTREPRENEURS IN THODUPUZHA TALUK**” is the bonafide work done by Sebastian Tomy, Shamma Anas, Tibin baby, **Vignesh A Kamath** and, Sreejith Prasad B.COM final year students of the Under Graduate Department of Commerce, Newman College, Thodupuzha during 2022-2023 under my supervision and guidance in partial fulfilment of the requirement for the award of Degree of Bachelor of Commerce of Mahatma Gandhi University Kottayam.

They are permitted to submit the dissertation.

Counter signed by;


MS. SHOBHA THOMAS
HEAD OF THE DEPARTMENT
DEPT. OF COMMERCE [SF]
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MS. RENJITHA KR
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NEWMAN COLLEGE
THODUPUZHA

Submitted for the Viva-voce Examination held on 03/05/2023

Place: THODUPUZHA

Date: 31/03/2023

External Examiner

Name: **Bini Nethu**

Signature: 

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled " **A STUDY ON INVESTOR'S PERCEPTION TOWARDS MUTUAL FUND SCHEME WITH SPECIAL REFERENCE TO THODUPUZHA TALUK** "is the bonafied work done by Mr. **ABEL M VAKKACHAN**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. ANILA BIJU, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by;

Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha



Ms. ANILA BIJU

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date: 30/06/2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled “**A STUDY ON INVESTMENT PATTERN AND TAX PLANNING OF SALARIED WOMEN IN THODUPUZHA TALUK**” is the bonafie work done by **Mr. ASIF T RASHEED**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. Lakshmi Suresh, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by;


Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha




Ms. Lakshmi Suresh

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date: 30/06/2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with affiliated 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to clarify that the project work entitled “**A STUDY ON THE PERCEPTION OF THE CONSUMERS TOWARDS ONLINE SHOPPING DURING COVID 19 WITH SPECIAL REFERENCE TO THODUPUZHA TALUK**” is the bonafide work done by **ATHIRA K RAJAN** M.COM final year student of the post graduate Department of commerce, Newman College Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University Kottayam.

They are permitted to submit the dissertation

Counter signed by:

Ms. Shoba Thomas

Head of the Department
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Thodupuzha Newman College
Thodupuzha



Ms. Sarika Pushpan

Department of Commerce (SF)
Newman College

Place: Thodupuzha

Date:

NEWMAN COLLEGE

THODUPUZHA

(Reaccredited with 'A' Grade by NAAC &
affiliated to M G University)



LEAD KINDLY LIGHT
CERTIFICATE

This is to certify that the project work entitled "A STUDY ON IMPULSE BUYING BEHAVIOUR WITH SPECIAL REFERENCE TO GRAND CENTRAL MALL, MUVATTUPUZHA" is the bonafide work done by **ATHULYA JOSE** M.Com final year student of the Post Graduate Department of Commerce (SF), Newman College, Thodupuzha, during 2020-2022, under the supervision and guidance of Ms. Sona Liz Mathews, in partial fulfilment of the requirements for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter Signed By:

Ms. Shobha Thomas

Head of the Department

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Ms. Sona Liz Mathews

Assistant Professor

Department of Commerce (SF)

Newman College, Thodupuzha

Place : Thodupuzha

Date: 30-6-2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled "**A STUDY ON THE IMPACT OF ONLINE CLASSES ON THE QUALITY WORK LIFE OF WORKING PARENTS DURING COVID-19 PANDAMIC SITUATION WITH SPECIAL REFERENCE TO THODUPUZHA TALUK**" is the bonafie work done by **Mr. CHACKOCHAN DOMINIC**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. Neethu V.Sagar, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by;

Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha



Ms. Neethu V.Sagar

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date: 30-6-2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled "**A STUDY ON WORK LIFE BALANCE AMONG WOMEN EMPLOYEES IN SERVICE SECTOR WITH REFERENCE TO THODUPUZHA TALUK**" is the bonafied work done by **Ms. CHINJU JOSEPH**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman College, Thodupuzha, during 2020-2022, under the supervision and guidance of Ms. AnilaBiju, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by,


Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman College, Thodupuzha




Ms. AnilaBiju

Assistant Professor

Department of Commerce (SF)

Newman College, Thodupuzha

Place: Thodupuzha

Date: 30/6/22

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled "**A STUDY ON YOUTH'S PREFERENCE TOWARDS DIFFERENT MOBILE BRANDS WITH SPECIAL REFERENCE TO THODUPUZHA TALUK**" is the bonafie work done by **Ms. DEVIKA G NAIR**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. Rintu Jose, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by,

Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha



Ms. Rintu Jose

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date: 30/06/2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON CONSUMERS ATTITUDE AND PURCHASE INTENTION TOWARDS COUNTERFEIT PRODUCTS" is the bona fide work done by **Ms.DEVU SOMAN**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2020-2022, under the supervision and guidance of **Ms. PREETHY MATHEW**, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha

Counter signed by;

Ms.Preethy Mathew

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha



Place:Thodupuzha

Date: 30/6/2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with affiliated 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to clarify that the project work entitled “A STUDY ON CONSUMER BUYING BEHAVIOUR TOWARDS ORGANIC FOOD PRODUCTS WITH SPECIAL REFERENCE TO THODUPUZHA TALUK” is the bonafide work done by **Mr. JITHIN V GEORGE** M.COM final year student of the Post Graduate Department of Commerce, Newman College Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfillment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University Kottayam

They are permitted to submit the dissertation

Counter signed by;

Ms. Shoba Thomas
Head of the Department
Department of Commerce
Newman college,
Thodupuzha



Ms. Lakshmi Suresh
Department of Commerce (SF)
Newman College,
Thodupuzha

Place: Thodupuzha

Date: 30-6-2022

NEWMAN COLLEGE, THODUPUZHA
POST GRADUATE DEPARTMENT OF COMMERCE



CERTIFICATE

This is to certify that this dissertation titled “**A STUDY ON THE IMPACT OF ONLINE LEARNING DURING PANDEMIC**” is a bonafide piece of research done by **Mr. Muhammed Ashker T S** student of the post graduate department of commerce (SF), Newman College, Thodupuzha during 2020-2022 under my guidance and supervision submitted to Mahatma Gandhi University in partial fulfilment of the requirement for the award of the Degree of Master Of Commerce.

Thodupuzha

Principal


Ms. Shobha Thomas

Head of department


Ms. Sarika Pushpan

Guide



NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON ROLE OF VISUAL MERCHANDISING IN THE BUYING BEHAVIOUR OF CUSTOMERS IN TEXTILE INDUSTRY WITH SPECIAL REFERENCE TO THODUPUZHA MUNICIPALITY"** is the bonafide work done by **Ms. NAMITHA BENNY**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. Sona Liz Mathews, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by:



Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha




Ms. Sona Liz Mathews

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date: 30-6-2022

NEWMAN COLLEGE, THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled “A STUDY ON IMPACT OF COVID-19 ON DIGITAL PAYMENTS WITH SPECIAL REFERENCE TO THDODUPUZHA TALUK” is the bonafied work done by **Ms. NIKITHA BOBAN**, M. Com final year student of the Post Graduate Department of Commerce (SF), Newman College Thodupuzha, during 2021-2020, under the supervision and guidance of Mrs. Neethu V. Sagar , in partial fulfillment for the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

Counter signed by;

Ms. Shobha Thomas

Head of department

Department of Commerce (SF)

Newman College, Thodupuzha

Place: Thodupuzha

Date: 30/6/2022



Mrs. Neethu V. Sagar

Assistant Professor

Department of Commerce (SF)

Newman College, Thodupuzha

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled **“A STUDY ON THE POPULARITY OF PAYTM IN THE LIGHT OF DEMONITIZATION WITH SPECIAL REFERENCE TO THODUPUZHA TALUK”** is the bonafied work done by Ms. **NOURIN SALIM**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. Anila Biju, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by:


Ms. Shobha Thomas

Head of the department

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Newman Collage, Thodupuzha




Ms. Anila Biju

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date: 30/06/2022

NEWMAN COLLEGE THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled “**A STUDY ON IMPACT OF SOCIAL MEDIA IN DISASTER MANAGEMENT WITH SPECIAL REFERENCE TO IDUKKI DISTRICT**” is the bonafie work done by **Mr. ROMAL SANTHOSH**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2021-2022, under the supervision and guidance of Ms. PREETHI MATHEW, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by;


Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha




Ms. PREETHI MATHEW

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date:

NEWMAN COLLEGE THODUPUZHA
(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON THE JOB SATISFACTION OF DELIVERY EXECUTIVES WORKING UNDER ONLINE FOOD DELIVERY SERVICES WITH SPECIAL REFERENCE TO THODUPUZHA TALUK"** is the bonafied work done by **Mr Saam Saajan**, M.Com final year student of the Post Graduate Department of Commerce (SF), Newman Collage, Thodupuzha, during 2020-2022, under the supervision and guidance of Ms. Sona Liz Mathews, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University, Kottayam.

They are permitted to submit the dissertation

Counter signed by;


Ms. Shobha Thomas

Head of the department

Department of Commerce (SF)

Newman Collage, Thodupuzha




Ms. Preethi Mathew

Assistant Professor

Department of Commerce (SF)

Newman Collage, Thodupuzha

Place: Thodupuzha

Date:

P.G DEPARTMENT OF COMMERCE (S.F)

NEWMAN COLLEGE, THODUPUZHA



CERTIFICATE

This is to certify that the project work entitled **“A STUDY ON ATTITUDE OF GRADUATED YOUTH TOWARDS ENTREPRENEURSHIP WITH SPECIAL REFERENCE TO THODUPUZHA TALUK”** is the bonafide work done by **Sreedevi Mohan**, M. COM final year student of the Post Graduate Department of Commerce, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University Kottayam.

They are permitted to submit the dissertation.

Counter signed by;

Ms. Shobha Thomas

Head of the Department

Department of Commerce

Newman College, Thodupuzha

Place: Thodupuzha

Date: 30/6/2022




Lakshmi Suresh

Department of Commerce (SF)

Newman College,

Thodupuzha

NEWMAN COLLEGE. THODUPUZHA

(Reaccredited with 'A' Grade by NAAC & affiliated to M G University)



LEAD KINDLY LIGHT

CERTIFICATE

This is to certify that the project work entitled “A STUDY ON THE AWARENESS OF CASH DEPOSIT MACHINE AND ITS INFLUENCE ON CUSTOMERS WITH SPECIAL REFERENCE TO THODUPUZHA TALUK” is the bonafide work done by **SREELAKSHMI P.S.** M.COM final year student of the Post Graduate Department of Commerce, Newman College, Thodupuzha during 2020-2022 under my supervision and guidance in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University Kottayam.

They are permitted to submit the dissertation

Counter signed by;

Ms. Sobha Thomas

Head of the Department

Department of Commerce

Newman College Thodupuzha



Ms. Sarika Pushpan

Department of Commerce (SF)

Newman College, Thodupuzha

Place: Thodupuzha

Date: 30/6/2022

P.G DEPARTMENT OF COMMERCE (S.F)
NEWMAN COLLEGE, THODUPUZHA
(Re-accredited with 'A' Grade by NAAC & affiliated to MG University)



LEAD KINDLY LIGHT
CERTIFICATE

This is to certify that the project work entitled “EFFECTS OF CELEBRITY ENDORSEMENT ON THE PURCHASING DECISION OF STUDENTS WITH SPECIAL REFERENCE TO NEWMAN COLLEGE, THODUPUZHA” is the bonafide work done by **Ms. Vishnupriya soman**, M. COM final year student of the Post Graduate Department of Commerce (SF), Newman College, Thodupuzha during 2021-2022, under the supervision and guidance of Ms. Sona Liz Mathews, in partial fulfilment of the requirement for the award of Degree of Master of Commerce of Mahatma Gandhi University Kottayam.

They are permitted to submit the dissertation

Counter signed by:

Ms. Shobha Thomas

Head of the Department

Department of Commerce

Newman College, Thodupuzha

Place: Thodupuzha

Date: 30/6/2022



Sona Liz Mathews

Assistant Professor

Department of Commerce (SF)

Newman College, Thodupuzha

**U.G. DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA**



CERTIFICATE

This is to certify that Mr. **Abhimanue P.A** - 200021064305, Mr. Abin Joseph - 200021064306, Mr. Ajal Biju - 200021064307, Ms. Akhila Binoy - 200021064308 has undertaken the Project titled "Consumer's Perceived Risk In Online Shopping" in the partial fulfillment of the requirement for the award of the degree of bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

Counter signed by:


Mr. Sachin Jacob

Head of the Department

Newman College Thodupuzha

Place: Thodupuzha

Date: 31-03-2023


Guide and supervisor

Ms. JISNA JOSEPH



**U.G. DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA**



CERTIFICATE

This is to certify that Mr. Abhimanue P.A - 200021064305, **Mr. Abin Joseph - 200021064306**, Mr. Ajal Biju - 200021064307, Ms. Akhila Binoy - 200021064308 has undertaken the Project titled "Consumer's Perceived Risk In Online Shopping" in the partial fulfillment of the requirement for the award of the degree of bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

Counter signed by:


Mr. Sachin Jacob

Head of the Department

Newman College Thodupuzha

Place: Thodupuzha

Date: 31-03-2023


Guide and supervisor

Ms. JISNA JOSEPH



**U.G. DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA**



CERTIFICATE

This is to certify that Mr. Abhimanue P.A - 200021064305, Mr. Abin Joseph - 200021064306, **Mr. Ajal Biju** - 200021064307, Ms. Akhila Binoy - 200021064308 has undertaken the Project titled "Consumer's Perceived Risk In Online Shopping" in the partial fulfillment of the requirement for the award of the degree of bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

Counter signed by:

Mr. Sachin Jacob

Head of the Department

Newman College Thodupuzha

Place: Thodupuzha

Date: 31-03-2023

Guide and supervisor

Ms. JISNA JOSEPH



**U.G. DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA**



CERTIFICATE

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Counter signed by:

Mr. Sachin Jacob

Head of the Department

Newman College Thodupuzha

Place: Thodupuzha

Date: 31-03-2023

Guide and supervisor

Ms. JISNA JOSEPH





**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr.AKSHAY ANAND(200021064309)**, Mr.ALBIN JOSEPH(200021064310), Mr.AMAL S (200021064311), Ms.AMEENA SHAMEEL (200021064312) has undertaken the project titled “A STUDY ON WOMEN ENTERPRISES IN MICRO ENTERPRISES WITH REFERENCE TO TDPA REGION “in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under the guidance and to the best of my knowledge it is their original work.

Mrs.NIMMY JOHN. 
PROJECT GUIDE.
DEPARTMENT OF COMMERCE.
NEWMAN COLLEGE.
THODUPUZHA.


Counter signed by,
Mr. SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: 2/5/23





DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA



CERTIFICATE

This is to certify that **Mr.AKSHAY ANAND(200021064309), Mr.ALBIN JOSEPH(200021064310), Mr.AMAL S (200021064311), Ms.AMEENA SHAMEEL (200021064312)** has undertaken the project titled **“A STUDY ON WOMEN ENTERPRISES IN MICRO ENTERPRISES WITH REFERENCE TO TDPA REGION** “in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under the guidance and to the best of my knowledge it is their original work.

Mrs.NIMMY JOHN. 
PROJECT GUIDE.
DEPARTMENT OF COMMERCE.
NEWMAN COLLEGE.
THODUPUZHA.


Counter signed by,
Mr. SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: 2/5/23




**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr.AKSHAY ANAND(200021064309), Mr.ALBIN JOSEPH(200021064310), Mr.AMAL S (200021064311), Ms.AMEENA SHAMEEL (200021064312)** has undertaken the project titled **“A STUDY ON WOMEN ENTERPRISES IN MICRO ENTERPRISES WITH REFERENCE TO TDPA REGION** “in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under the guidance and to the best of my knowledge it is their original work.

Mrs.NIMMY JOHN. 
PROJECT GUIDE.
DEPARTMENT OF COMMERCE.
NEWMAN COLLEGE.
THODUPUZHA.


Counter signed by,
Mr. SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: 2/5/23




**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr.AKSHAY ANAND(200021064309), Mr.ALBIN JOSEPH(200021064310), Mr.AMAL S (200021064311), Ms.AMEENA SHAMEEL (200021064312)** has undertaken the project titled **“A STUDY ON WOMEN ENTERPRISES IN MICRO ENTERPRISES WITH REFERENCE TO TDPA REGION** “in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under the guidance and to the best of my knowledge it is their original work.

Mrs.NIMMY JOHN. 
PROJECT GUIDE.
DEPARTMENT OF COMMERCE.
NEWMAN COLLEGE.
THODUPUZHA.


Counter signed by,
Mr. SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: 2/5/23



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr. ANANDHU KS** – 200021064313, **Mr. ANANADHU PRASAD** – 200021064314, **Ms. ANJAL ANIL** – 200021064315, **Ms. ANN MARIA JOY** – 200021064316 has undertaken the practical titled “**A COMPARITIVE STUDY OF STUDY OF CUSTOMER SATISFACTION AMONG THE USERS OF DIFFERENT MOBILE PAYMENT APPLICATION**” in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

**Mr. Sachin Jacob
Teacher in Charge**

External Examiner

**Counter signed by
Mr. Sachin Jacob
Head of the Department**

Place: Thodupuzha

Date: 2-5-23



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr. ANANDHU KS – 200021064313, Mr. ANANADHU PRASAD – 200021064314, Ms. ANJAL ANIL – 200021064315, Ms. ANN MARIA JOY – 200021064316** has undertaken the practical titled **“A COMPARITIVE STUDY OF STUDY OF CUSTOMER SATISFACTION AMONG THE USERS OF DIFFERENT MOBILE PAYMENT APPLICATION”** in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

**Mr. Sachin Jacob
Teacher in Charge**

**Counter signed by
Mr. Sachin Jacob
Head of the Department**

External Examiner

Place: Thodupuzha

Date: 2-5-23



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr. ANANDHU KS – 200021064313, Mr. ANANADHU PRASAD– 200021064314, Ms. ANJAL ANIL – 200021064315, Ms. ANN MARIA JOY – 200021064316** has undertaken the practical titled **“A COMPARITIVE STUDY OF STUDY OF CUSTOMER SATISFACTION AMONG THE USERS OF DIFFERENT MOBILE PAYMENTAPPLICATION”** in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

**Mr. Sachin Jacob
Teacher in Charge**

External Examiner

**Counter signed by
Mr. Sachin Jacob
Head of the Department**

Place: Thodupuzha

Date: 2-5-23



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Mr. ANANDHU KS – 200021064313, Mr. ANANADHU PRASAD– 200021064314, Ms. ANJAL ANIL – 200021064315, Ms. ANN MARIA JOY – 200021064316**

has undertaken the practical titled **“A COMPARITIVE STUDY OF STUDY OF CUSTOMER SATISFACTION AMONG THE USERS OF DIFFERENT MOBILE PAYMENTAPPLICATION”** in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

**Mr. Sachin Jacob
Teacher in Charge**

External Examiner

**Counter signed by
Mr. Sachin Jacob
Head of the Department**

Place: Thodupuzha

Date: 2-5-23



DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA



CERTIFICATE

This is to certify that **Ms. ANNU KRISHNA AJITH(200021064317)**

,Mr.ANTHONIES BENNY(200021064318),

Ms. ARYANANDA SHINE (200021064319),

Mr. ASHIK ANSAR(200021064320) has undertaken the project titled **“A STUDY ON ONLINE GROCERY SHOPPING AND CUSTOMER SATISFACTION “**in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under the guidance and to the best of my knowledge it is their original work.

Mrs. SWATHI VENUGOPAL.
PROJECT GUIDE.
DEPARTMENT OF COMMERCE.
NEWMAN COLLEGE.
THODUPUZHA.

Counter signed by,
Mr.SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: *02-05-2023*



DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA



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NEWMAN COLLEGE.
THODUPUZHA.

Counter signed by,
Mr.SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

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**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



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THODUPUZHA.**

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Mr.SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA**

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Counter signed by,
Mr.SACHIN JACOB (HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: *02-05-2023*




**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Ms. ASHMY ABDULKARIM – 200021064321, Mr. ASLAM ABBAS – 200021064322, Mr. AUGUSTINE ALOSHIOUS – 200021064323, Mr. BADHSHAH NAZAR – 200021064324** has undertaken the practical titled “**A STUDY ON ONLINE SHOPPING BEHAVIOUR OF WOMEN WITH REFERENCE TO THODUPUZHA TALUK**” in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.


Ms. Jisna Joseph
Teacher in Charge


Counter signed by
Mr. Sachin Jacob
Head of the Department

External Examiner

Place: Thodupuzha

Date: 2-5-2023




**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Ms. ASHMY ABDULKARIM – 200021064321, Mr. ASLAM ABBAS– 200021064322, Mr. AUGUSTINE ALOSHIOUS – 200021064323, Mr. BADHSHAH NAZAR – 200021064324** has undertaken the practical titled “**A STUDY ON ONLINE SHOPPING BEHAVIOUR OF WOMEN WITH REFERENCE TO THODUPUZHA TALUK**” in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.


Ms. Jisna Joseph
Teacher in Charge


Counter signed by
Mr. Sachin Jacob
Head of the Department

External Examiner

Place: Thodupuzha

Date: 2-5-2023




**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



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Ms. Jisna Joseph
Teacher in Charge


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Mr. Sachin Jacob
Head of the Department

External Examiner

Place: Thodupuzha

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NEWMAN COLLEGE THODUPUZHA**



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Counter signed by
Mr. Sachin Jacob
Head of the Department

External Examiner

Place: Thodupuzha

Date: 2-5-2023





DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA



CERTIFICATE

This is to certify that **Mr.Badusha Rahim- 200021064325**, **Mr. Bavas Naushad- 200021064326**, **Ms. Bency Johnson- 200021064327**, **Mr.Deepak Binu** has undertaken the project titled **“ROLE OF MICROFINANCE IN AGRICULTURE SECTOR IN THODUPUZHA TALUK ”** in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

MRS. NIMMY JOHN. 
PROJECT GUIDE
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE.
THODUPUZHA.


Counter signed by,
MR.SACHIN JACOB(HOD)
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: 02/05/2023





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NEWMAN COLLEGE THODUPUZHA



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DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
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Date: 02/05/2023





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DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA

Place: Thodupuzha

Date: 02/05/2023



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



CERTIFICATE

This is to certify that **Ms. DEVAPRIYA K A**, Mr. DILJITH A, Mr. DINU NELSON, Ms. FARSANA NASSAR is regular students of department of commerce in Newman College Thodupuzha and this report entitled “ **CONSUMER AWARENESS AND ACCEPTANCE OF ECO- FRIENDLY PACKAGES** ” in partial fulfilment of the requirement for the award of the degree of Bachelor of commerce under my guidance and to the best of my knowledge it is their original work.

Guide and supervisor

Mr. SACHIN JACOB

Counter signed by
Mr. Sachin Jacob
Head of the Department
Newman College
Thodupuzha



Place: Thodupuzha

Date : 31.03.2023

**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



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Guide and supervisor

Mr. SACHIN JACOB

Counter signed by
Mr. Sachin Jacob
Head of the Department
Newman College
Thodupuzha



Place: Thodupuzha

Date : 31.03.2023

**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**



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Guide and supervisor

Mr. SACHIN JACOB

Counter signed by
Mr. Sachin Jacob
Head of the Department
Newman College
Thodupuzha



Place: Thodupuzha

Date : 31.03.2023

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Guide and supervisor

Mr. SACHIN JACOB

Counter signed by
Mr. Sachin Jacob
Head of the Department
Newman College
Thodupuzha



Place: Thodupuzha

Date : 31.03.2023

DEPARTMENT OF COMMERCE (SF)

NEWMAN COLLEGE THODUPUZHA



CERTIFICATE

This is to certify that **Mr. FINNY SAM** (200021064333), Mr. **GEORGE BENNY** (200021064334), Mr. **GEORGE HENTRY** (200021064335), Mr. **HARIKRISHNAN K. J.** (200021064336) has undertaken the practical titled **“THE SCOPE OF INTRODUCING AN ECO-FRIENDLY PRODUCT IN THE LOCAL MARKET OF THODUPUZHA MUNICIPALITY** “in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.



Mr. Sachin Jacob

Head of the Department

Department of commerce

Newman College



Mrs. Swathi Venugopal

Project Guide

Department of Commerce

Newman College

Submitted for the viva-voce examination held on:

Place: Thodupuzha

Date: 2/5/2023



DEPARTMENT OF COMMERCE (SF)

NEWMAN COLLEGE THODUPUZHA



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Mr. Sachin Jacob

Head of the Department

Department of commerce

Newman College

Submitted for the viva-voce examination held on:

Place: Thodupuzha

Date: 2/5/2023

Mrs. Swathi Venugopal

Project Guide

Department of Commerce

Newman College



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Mr. Sachin Jacob

Head of the Department

Department of commerce

Newman College

Submitted for the viva-voce examination held on:

Place: Thodupuzha

Date: 2/5/2023



Mrs. Swathi Venugopal

Project Guide

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Head of the Department

Department of commerce

Newman College

Submitted for the viva-voce examination held on:

Place: Thodupuzha

Date: 2/5/2023



Mrs. Swathi Venugopal

Project Guide

Department of Commerce

Newman College





CERTIFICATE

This is to certify that **Mr. IRFAN SAKKEER** - 200021064337, **Mr. JERRISH JOHN** - 200021064338, **Mr. JINS JOY** - 200021064339, **Mr. JOHNSON AJ** - 200021064340 has undertaken the practical titled **“A STUDY ON FARMER’S CHOICE OF AGRICULTURE FINANCE WITH SPECIAL REFERENCE TO KARIMANNOOR PANCHAYAT ”** in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

Ms. Jisna Joseph
Teacher in charge

Counter signed by

Mr. Sachin Jacob

Head of the Department

External Examiner

Place: Thodupuzha

Date:





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Head of the Department

External Examiner

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Teacher in charge

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Head of the Department

External Examiner

Place: Thodupuzha

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Ms. Jisna Joseph
Teacher in charge

Counter signed by

Mr. Sachin Jacob

Head of the Department

External Examiner

Place: Thodupuzha

Date:



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**




CERTIFICATE

This is to certify that **Mr. LEON WILSON** - 200021064342, Ms. NANDANA S NAIR-200021064344, Ms. NINU THOMAS-200021064345, Ms. KRISHNAPRIYA PURUSHOTHAMAN - 200021064341 have undertaken the project titled "A STUDY ON IMPACT OF COVID 19 ON E-LEARNING WITH SPECIAL REFERANCE TO GOOGLE MEET" in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.


Mrs. NIMMY JOHN

**DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA**


**COUNTER SIGNED BY
Mr. SACHIN JACOB
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA**

Place: Thodupuzha

Date: 03-05-2023



**DEPARTMENT OF COMMERCE (SF)
NEWMAN COLLEGE THODUPUZHA**




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NEWMAN COLLEGE
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DEPARTMENT OF COMMERCE
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DEPARTMENT OF COMMERCE
NEWMAN COLLEGE
THODUPUZHA**

Place: Thodupuzha

Date: 03-05-2023



NEWMAN COLLEGE, THODUPUZHA

Affiliated to Mahatma Gandhi University, Kottayam March 2023

DEPARTMENT OF COMMERCE (SF)

NEWMAN COLLEGE THODUPUZHA



CERTIFICATE

This is to certify that **Mr. NOYAL MATHEW**- 200021064346, **Mr. RAHUL BIJU** - 200021064347, **Mr. REJOICE KURIAN** – 200021064348, **Ms. SANDRA BIJU** - 200021064349 has undertaken the project titled “**A STUDY ON BRAND PREFERENCES OF LAPTOP AMOUNG YOUTH**” in partial fulfillment of the requirement for the award of the degree of Bachelor of Commerce under my guidance and to the best of my knowledge it is their original work.

Mr.Sachin Jacob
Head of the Department
Department of commerce
Newman college

Mr. Sachin Jacob
Project Guide
Department of commerce
Newman college

Submitted for the viva-voce examinations held on:

Place: Thodupuzha

Date: 3/5/2023



NEWMAN COLLEGE, THODUPUZHA

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Head of the Department
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Newman college

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Newman college



U.G. DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA



CERTIFICATE

This is to certify that Mr. **Thomaskutty VC - 200021064352**, Mr. Sathyaraj k p- 200021064350, Ms. Shifa Shaji – 200021064351 has undertaken the practical titled "Job Stress - A study with special reference to the employees of private sector Insurance companies" in partial fulfillment of the requirement for the award of the degree of bachelor of commerce under my guidance and to the best of my knowledge it is their original work.

Swathi

Guide and supervisor

Ms. SWATHI VENUGOPAL

Counter signed by:

Ms. Sobha Thomas

Head of the Department

Newman College Thodupuzha

Place: Thodupuzha

Date: 31-03-2023



U.G. DEPARTMENT OF COMMERCE
NEWMAN COLLEGE, THODUPUZHA



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CERTIFICATE

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They are permitted to submit the dissertation

Counter signed by

Ms Sobha Thomas
Head of the Department Commerce
Department of Commerce
Newman College, Thodupuzha



Ms.Lakshmi Suresh
Department of commerce
Newman College
Thodupuzha

Place : Thodupuzha

Date : 02/05/2023

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Department of Commerce
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Ms. Lakshmi Suresh

Department of commerce

Newman College
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This is to certify that the project work entitled "A STUDY ON CONSUMERS AWARENESS ABOUT GREEN PRODUCT WITH SPECIAL REFERENCE TO THODUPUZHA TALUK " is the Bonafede work done by **Amna Hanan**, Amitha Saju, Aleena Sabu and Alish Baby B.com Final Year Students of the Undergraduate Department of Commerce, Co-operation(sf), Newman College, Thodupuzha during 2020-2023 Under my Supervision and Guidance in Partial Fulfillment of the Requirement for the Award of Degree of Bachelor of Commerce of Mahatma Gandhi University Kottayam.

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Mrs. Chandranjaly V.C

Department of Commerce

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Thodupuzha

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Newman College Thodupuzha

DEPARTMENT OF COMMERCE (SF)



CERTIFICATE

This is to certify that the project work entitled “A STUDY ON CONSUMER PREFERENCE ON SOFT DRINKS WITH SPECIAL REFERENCE TO STUDENTS AND TEACHERS OF NEWMAN COLLEGE THODUPUZHA” is the bonafide work done by **Amrutha Shiji, Anandhu Ajith , Anitta Varkey and Anjana John** final year students of the Under Graduate Department of Commerce co-operation (SF) Newman College Thodupuzha during 2022-2023 under my supervision and guidance in partial fulfilling requirement for the award of Degree of Bachelor of Commerce of Mahatma Gandhi University Kottayam.

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Ms. Sobha Thomas

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Mrs. Anju Sukumaran

Department of Commerce(SF)

Newman College Thodupuzha

Place: Thodupuzha.

Date.. 2/5/2023

Submitted for viva examination

External examiner :

Newman College Thodupuzha

DEPARTMENT OF COMMERCE (SF)



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Newman College Thodupuzha

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Date.. 2/5/2023

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NEWMAN COLLEGE, THODUPUZHA




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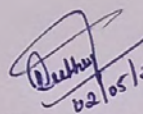
Counter signed by;


Ms. Sobha Thomas

Head of the Department
Department of Commerce
Newman College Thodupuzha

Date: 2/5/2023




02/05/2023
Ms. Neethu V Sagar

Department of commerce
Newman College
Thodupuzha

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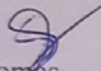
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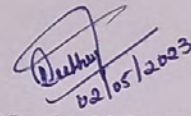


Head of the Department
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NEWMAN COLLEGE, THODUPUZHA

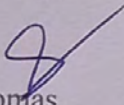


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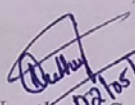
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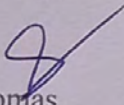


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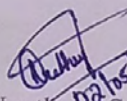
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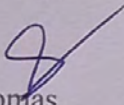


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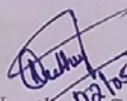
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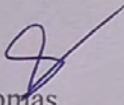


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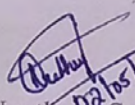
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NEWMAN COLLEGE THODUPUZHA



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Place : Thodupuzha

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Date: 02/05/2023

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This is to certify that the project work entitled **“A STUDY ON SAVING AND INVESTMENT PATTERN OF COLLEGE TEACHERS WITH A SPECIAL REFERENCE TO NEWMAN COLLEGE THODUPUZHA”** is the Bonafede work done by **Maria Augustine**, Mary Sebastian, Meera Wilson and Mumthas Salim B.COM Final Year Students of the Undergraduate Department of Commerce, Newman College, Thodupuzha during 2020-2023 Under My Supervision and Guidance in Partial Fulfilment of the Requirement for the Award of Degree of Bachelor of Commerce of Mahatma Gandhi University Kottayam.

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This is to certify that the project work entitled **“A STUDY ON THE PERCEPTION OF GRADUATE STUDENTS TOWARDS ENTREPRENEURSHIP WITH SPECIAL REFERENCE TO IDUKKI DISTRICT”** is the Bonafede work done by **Nirmal Thankachan**, Nizamudheen MS, Pranavu Bose and Safal Latheef B.COM Final Year Students of the Undergraduate Department of Commerce Co-operation (SF), Newman College, Thodupuzha during 2023 Under My Supervision and Guidance in Partial Fulfillment of the Requirement for the Award of Degree of Bachelor of Commerce of Mahatma Gandhi University Kottayam.

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