SACRED HEART COLLEGE, CHALAKUDY

(AFFILIATED TO UNIVERSITY OF CALICUT)

THRISSUR, KERALA - 680307

AQAR 2021-22

CRITERIA 1

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year



Submitted to

National Assessment and Accreditation Council

Post Graduate Programme Projects

STUDY ON THE WINGS, LEGS, AND ANTENNAE OF SELECTED SKIPPERS OF KFRI CAMPUS

Dissertation submitted to University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

AJNA M

Reg No: SHAUMZL001

Under the guidance of

Dr. T V. SAJEEV

DEPARTMENT OF FOREST ENOTOMOLOGY

KFRI, PEECHI



DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

CERTIFICATE

This is to certify that **Ms. AJNA M (Reg. No. SHAUMZL001)** is a bona-fide student of Department of Zoology. This dissertation report entitled **"STUDY ON THE WINGS, LEGS, AND ANTENNNAE OF SELECTED SKIPPERS OF KFRI CAMPUS"** Submitted to University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis of award of any degree diploma or any other similar degrees of any University.

Date

Place:

Dr. TESSY K.L

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur

KSCSTE-Kerala Forest Research Institute

(An Institution under Kerala State Council for Science, Technology and Environment)

Peechi - 680 653, Thrissur, Kerala, India

CERTIFICATE

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Sajeev
Senior Principal Scientist & Head
Forest Entomology Department
KSCSTE - Kerala Forest Research Institute
Peechi - 680 653, Kerala

Peechi
18/08/2022

Dr. T V Sajeev
Senior Principal Scientist & Head
Forest entomology Department
KSCSTE-Kerala Forest Research institute
Peechi-680 653, Thrissur, Kerala

FISH DIVERSITY AND FISH YIELD FROM THE PONDS – A CASE STUDY IN ANNAMANADA GRAMAPANCHAYAT, THRISSUR DISTRICT, KERALA

Dissertation submitted to The University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

AKHILA K.A

Reg No: SHAUMZL002

Under the guidance of

Dr. SHAJI CP

FORMER PRINCIPAL SCIENTIFIC OFFICER KERALA STATE BIODIVERSITY BOARD THIRUVANANTHAPURAM



DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

CERTIFICATE

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Date: 25/8/2022

Place: Chalakudy

Dr. TESSY K.L

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur

SACRED HEART COLLEGE
ZOOLOGY DEPT
CHALAKUDY

CERTIFICATE

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Date: 25/8/2022

Place: Chalakudy

BINCY BABY

Assistant Professor

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur

STUDY OF HUMAN - RAPTOR INTERACTION WITHIN THE HUMAN SETTLEMENTS AROUND KFRI, PEECHI

Dissertation submitted to The University of Calicut in partial fulfillment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

AMALA VINCENT

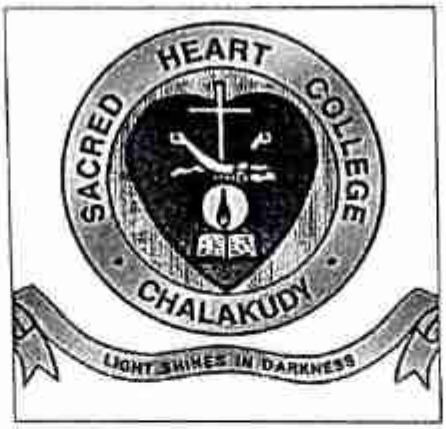
Reg No: SHAUMZL003

Under the guidance of

Dr. T.V. SAJEEV

DEPARTMENT OF FOREST ENTOMOLOGY

KFRI, PEECHI



DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

CERTIFICATE

This is to certify that **Ms. AMALA VINCENT (Reg. No. SHAUMZL003)** is a bonafide student of Department of Zoology. This dissertation report entitled **"STUDY OF HUMAN - RAPTOR INTERACTION WITHIN THE HUMAN SETTLEMENTS AROUND KFRI, PEECHI"** Submitted to the University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date: 28/8/2022

Place: Chalakudy

Dr. TESSY K.L.

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur

CERTIFICATE

This is to certify that **AMALA VINCENT (Reg. No. SHAUMZL003)** is a bonafide student of Department of Zoology. This dissertation report entitled **"STUDY OF HUMAN-RAPTOR INTERACTION WITHIN THE HUMAN SETTLEMENTS AROUND KFRI, PEECHI"** Submitted to the University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date: 2.8.2022

Place: Chalakudy

Ms. BINCY BABY

Supervising Teacher

Assistant Professor

Department of Zoology

Sacred Heart College

Chalakudy, Thrissur

MONSOON FLOOD PLAIN FISHERY OR OOTHA-A CASE STUDY IN ANNAMANADA PANCHAYAT, THRISSUR DISTRICT, KERALA

Dissertation submitted to The University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

ARYA PRAKASH

Reg No: SHAUMZL004

Under the guidance of

Dr. SHAJI CP

FORMER PRINCIPAL SCIENTIFIC OFFICER KERALA STATE BIODIVERSITY BOARD THIRUVANANTHAPURAM



DEPARTMENT OF ZOOLOGY
SACRED HEART COLLEGE
CHALAKUDY
THRISSUR-680722

2020-2022

CERTIFICATE

This is to certify that **Ms. ARYA PRAKASH (Reg. No. SHAUMZL004)** is a bona-fide student of Department of Zoology. This dissertation report entitled **"MONSOON FLOOD PLAIN FISHERY OR OOTHA - A CASE STUDY IN ANNAMANADA PANCHAYAT, THRISSUR DISTRICT, KERALA"** Submitted to the University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date: 25-8-2022
Place: Chalakudy

Dr. TESSY K.L
Head of the Department
Department of Zoology
Sacred Heart College,
Chalakudy, Thrissur

CERTIFICATE

This is to certify that **MS. ARYA PRAKASH (Reg. No. SHAUMZL004)** is a bona-fide student of Department of Zoology. This dissertation report entitled **"MONSOON FLOOD PLAIN FISHERY OR OOTHA - A CASE STUDY IN ANNAMANADA PANCHAYAT, THRISSUR DISTRICT, KERALA"** Submitted to the University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date: 25-8-2022

Place: Chalakudy

Dr. SHAJI CP

Former Principal Scientific Officer

Kerala State Biodiversity Board

Thiruvananthapuram

THE DIVERSITY OF POLLINATING BEES (HYMENOPTERA) IN INVASIVE PLANT

Antigonon leptopus

Dissertation submitted to University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

JASMA T. BABU

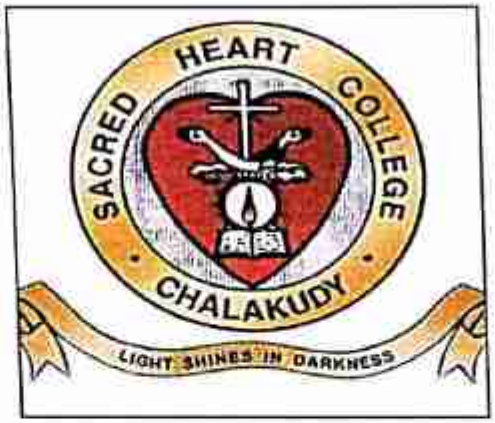
Reg No: SHAUMZL006

Under the guidance of

Dr. BIJOY C.

DEPARTMENT OF ZOOLOGY, CHRIST COLLEGE

IRINJALAKUDA



DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

SHADPADA
ENTOMOLOGY RESEARCH LAB

Christ College (Autonomous),
Irinjalakuda, Thrissur- 680 125

Dr Bijoy C.
Assistant Professor,
Research Department of Zoology,
drbijoyc@gmail.com
Mob: 9895551003

CERTIFICATE

This is to certify that the project work entitled "**THE DIVERSITY OF POLLINATING BEES (HYMENOPTERA) IN INVASIVE PLANT, *ANTIGONON LEPTOPUS***" is the original research work done by **JASMA T. BABU (REG. NO. SHAUMZL006)**, under my co-guidance at the SERL (Shadpada Entomology Research Lab), Research Department of Zoology, Christ College (Autonomous), Irinjalakuda, Thrissur, Kerala.

I further certify that no part of the work has not been presented for the award of any other degree/diploma.

Place: Irinjalakuda
Date: 10.08.2022

Dr. Bijoy C.
Assistant Professor
Department of Zoology
Christ College, Irinjalakuda

CERTIFICATE

This is to certify that **Ms. JASMA T. BABU (Reg. No. SHAUMZL006)** is a bonafide student of Department of Zoology. This dissertation report entitled **"THE DIVERSITY OF POLLINATING BEES (HYMENOPTERA) IN INVASIVE PLANT *Antigonon leptopus*"** Submitted to the University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date:

Place:

Dr. TESSY K.L

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur

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V. Neetha

Date:

Dr. V. NEETHA

Place:

Supervising Teacher

Assistant Professor

Department of Zoology

Sacred Heart College

Chalakudy, Thrissur

DIVERSITY AND CONSERVATION STATUS OF FISHES IN CHALAKUDY RIVER

Dissertation submitted to The University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

PAVITHRA POULOSE.E

Reg No: SHAUMZL008

Under the guidance of

Dr. C P. SHAJI

FORMER PRINCIPAL, SCIENTIFIC OFFICER

KERALA STATE BIODIVERSITY BOARD

THIRUVANANTHAPURAM



DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

CERTIFICATE

This is to certify that **Ms. PAVITHRA POULOSE.E (Reg. No. SHAUMZL008)** is a bona-fide student of Department of Zoology. This dissertation report entitled **"DIVERSITY AND CONSERVATION STATUS OF FISHES IN CHALAKUDY RIVER"** Submitted to The University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date: 25/8/2022

Place: Chalakudy

Dr. TESSY K.L

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur



CERTIFICATE

This is to certify that **Ms. PAVITHRA POULOSE.E (Reg. No. SHAUMZL008)** is a bona-fide student of Department of Zoology. This dissertation report entitled **"DIVERSITY AND CONSERVATION STATUS OF FISHES IN CHALAKUDY RIVER"** Submitted to The University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date: 25/8/2022

Place: chalakudy

Dr. C P SHAJI

Former Principal, Scientific Officer

Kerala State Biodiversity Board

Thiruvananthapuram.

BUTTERFLY FAUNA OF KERALA FOREST RESEARCH INSTITUTE GARDEN, PEECHI

Dissertation submitted to University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

FATHIMA SHERIN K K

Reg No: SHAUMZL005

Under the guidance of

Dr. T V. SAJEEV

DEPARTMENT OF FOREST ENOTOMOLOGY

KFRI, PEECHI



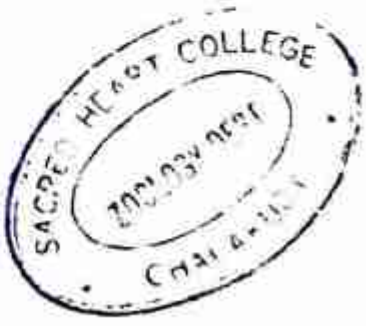
DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022



CERTIFICATE

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Date

Place:

Dr. TESSY K.L

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy,Thrissur

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Date:

Place:

Ms. RANI PAULY
Supervising Teacher
Assistant Professor
Department of Zoology
Sacred Heart College
Chalakudy, Thrissur.

KSCSTE-Kerala Forest Research Institute

(An Institution under Kerala State Council for Science, Technology and Environment)

Peechi - 680 653, Thrissur, Kerala, India

CERTIFICATE

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Peechi
10/8/2022

Dr. T V Sajeev
Senior Principal Scientist& Head
Forest entomology Department
KSCSTE-Kerala Forest Research Institute
Peechi-680 653,
Thrissur , Kerala

Dr T V Sajeev
Senior Principal Scientist & Head
Forest Entomology Department
KSCSTE - Kerala Forest Research Institute
Peechi – 680 653, Thrissur, Kerala

THE DIVERSITY OF POLLINATING BEES (HYMENOPTERA) IN INVASIVE PLANT *Sphagneticola trilobata*

Dissertation submitted to the University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

MELCHIA T.A

Reg No: SHAUMZL007

Under the guidance of

Dr. BIJOY C

DEPARTMENT OF ZOOLOGY, CHRIST COLLEGE IRINJALAKUDA



DEPARTMENT OF ZOOLOGY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

SHADPADA
ENTOMOLOGY RESEARCH LAB

Christ College (Autonomous),
Irinjalakuda, Thrissur- 680 125

Dr Bijoy C
Assistant Professor
Research Department of Zoology
drbijoyc@gmail.com
Mob: 9895551003

CERTIFICATE

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I further certify that no part of the work has not been presented for the award of any other degree/diploma.

Place: Irinjalakuda
Date: 10.08.2022

Dr. Bijoy C.
Assistant Professor
Department of Zoology
Christ College, Irinjalakuda

CERTIFICATE

This is to certify that **Ms. MELCHIA T.A (Reg. No. SHAUMZL007)** is a bonafide student of Department of Zoology. This dissertation report entitled "**THE DIVERSITY OF POLLINATING BEES (HYMENOPTERA) IN INVASIVE PLANT *Sphagneticola trilobata***"Submitted to the University of Calicut, in partial fulfillment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Date:

Place:

Dr. TESSY K.L

Head of the Department

Department of Zoology

Sacred Heart College,

Chalakudy, Thrissur

A STUDY ON THE TEMPORAL PATTERNS OF INSECTS USING MALAISE TRAPS.

Dissertation submitted to University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by
SABNA SHERIN. PM
Reg No: SHAUMZL009

Under the guidance of

Dr. T V. SAJEEV

DEPARTMENT OF FOREST ENOTOMOLOGY
KFRI, PEECHI.



DEPARTMENT OF ZOOLOGY
SACRED HEART COLLEGE,
CHALAKUDY.
THRISSUR-680722

2020-2022

CERTIFICATE

This is to certify that **Ms. SABNA SHERIN PM** (Reg. No. SHAUMZL009) is a bona-fide student of Department of Zoology. This dissertation report entitled "Submitted to **A STUDY ON THE TEMPORAL PATTERNS OF INSECTS USING MALAISE TRAPS.**" University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Place :

Date:

Dr. TESSY K.L

Head of the Department Department of Zoology

Sacred HeartCollege, Chalakudy,Thrissur.

CERTIFICATE

This is to certify that **Ms. SABNA SHERIN PM** (Reg. No. SHAUMZL009) is a bona-fide student of Department of Zoology. This dissertation report entitled "Submitted to **A STUDY ON THE TEMPORAL PATTERNS OF INSECTS USING MALAISE TRAPS.**" University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Place:

Date:

Ms. MABLE VARGHESE,
Supervising Teacher,
Assistant Professor,
Department of Zoology, Sacred Heart College ,
Chalakudy, Thrissur.

KSCSTE-Kerala Forest Research Institute
(An Institution under Kerala State Council for Science, Technology and Environment)
Peechi - 680 653, Thrissur, Kerala, India

CERTIFICATE

This is to certify that the dissertation entitled **"A STUDY ON THE TEMPORAL PATTERNS OF INSECTS USING MALAISE TRAPS"** is an authentic record of project work done by **Mrs. SABNA SHERIN .PM** (REG.NO. SHAUMZL009) Department of Zoology, Sacred Heart College Chalakudy under my guidance during the academic year 2020-2022.This report in any form has not been submitted to any other University or Institute for any purpose.

Peechi
21/8/2022

Dr. T V Sajeev
Chief Scientist & Head
Forest entomology Department
KSCSTE-Kerala Forest Research institute
Peechi-680 653,
Thrissur , Kerala

AN INTRODUCTION TO LANDMRK-BASED GEOMETRIC MORPHOMETRICS ON THE WING OF *Orthetrum sabina* (ODONATA :LIBELLULIDAE)

Dissertation submitted to University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

Submitted by

SREEPARVATHY. KD

Reg No: SHAUMZL010

Under the guidance of

Dr. T V. SAJEEV

DEPARTMENT OF FOREST ENOTOMOLOGYKFRI, PEECHI.



DEPARTMENT OF ZOOLOGY
SACRED HEART COLLEGE,
CHALAKUDY.

THRISSUR-680722

2020-2022

CERTIFICATE

This is to certify that **Ms. SREEPARVATHY K.D** (Reg. No. SHAUMZL010) is a bona-fide student of Department of Zoology. This dissertation report entitled "Submitted to **AN INTRODUCTION OF LANDMARK-BASED GEOMETRIC MORPHOMETRICS ON THE WINGS OF *Orthetrum Sabina* (ODONATA:LIBELLULIDAE)**" University of Calicut, in partial fulfilment for the award of the Master's Degree of Science in Zoology is an authentic record of research work done by her and no part of this report formed the basis for the award of any degree diploma or any other similar degrees of any University.

Place :

Date:

Dr. TESSY K.L

Head of the Department Department of Zoology

Sacred HeartCollege, Chalakudy,Thrissur.

KSCSTE-Kerala Forest Research Institute

(An Institution under Kerala State Council for Science, Technology and Environment)

Peechi - 680 653, Thrissur, Kerala, India

CERTIFICATE

This is to certify that the dissertation entitled "**An introduction to Landmark-based geometric morphometrics on the wings of *Orthetrum sabina* (Odonata:Libellulidae)** is an authentic record of project work done by **Ms. SREEPARVATHY K D (REG.NO. SHAUMZL010)** Department of Zoology, Sacred Heart College, Chalakudy, under my guidance during the academic year 2020-2022.This report in any form has not been submitted to any other University or Institute for any purpose.

Dr. T. V. Sajeev
Senior Principal Scientist & Head
Forest Entomology Department
KSCSTE - Kerala Forest Research Institute
Peechi – 680 653, Thrissur, Kerala

Peechi

18/08/2022

Dr. T V Sajeev

Senior Principal Scientist & Head

Forest entomology Department

KSCSTE-Kerala Forest Research institute

Peechi-680 653, Thrissur, Kerala

Phone : 0487-2690100, Fax : 0487-2690111, e-mail : kfri@kfri.org, Website : www.kfri.res.in

MODELING OF AIRGLOW AS A FUNCTION OF SOLAR ACTIVITY IN GROTH USING GALEX DATA

Project report submitted to the

UNIVERSITY OF CALICUT

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

Master of Science

In

Physics

By

NOOPURA ANAND

Reg.no: SHAUMPH011

Department of Physics, Sacred Heart College



Under the guidance of

Nimmi Narayanan

Assistant Professor

Sree Sankara College, Kalady

2020-2022

CERTIFICATE

This is to certify that this project report entitled, "Modeling of Air glow as a function of solar activity in GROTH using GALEX data" is an authentic record of project work carried out by Noopura Anand, student of Master of Science in Physics, Department of Physics, Sacred Heart College Chalakudy, successfully completed under my supervision in Department of Physics, Sree Sankara College Kalady. The content of this project work have not been presented earlier for the award of any other degree in any other university.

Date: 16.08.2022

Place: KALADY

Nimmi Narayanan

Assistant Professor

Department of Physics

Sree Sankara College Kalady



JUDD-OFELT ANALYSIS AND SPECTROSCOPIC CHARACTERIZATION OF EUROPIUM DOPED CALCIUM TUNGSTATE PHOSPHOR

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree

MASTER OF SCIENCE IN PHYSICS

By

JESMY SHAJU

Reg. no: SHAUMPH007

Under the guidance of

Dr. DINU ALEXANDER

Assistant Professor

Department of Physics, Nirmala College, Muvattupuzha

2020-2022

DEPARTMENT OF PHYSICS

NIRMALA COLLEGE, MUVATTUPUZHA

FOUNDED 1953

CERTIFICATE

This is to certify that the project work entitled "**JUDD-OFELT ANALYSIS AND SPECTROSCOPIC CHARACTERIZATION OF EUROPIUM DOPED CALCIUM TUNGSTATE PHOSPHOR**" by **Ms.Jesmy shaju,** Department of Physics, Sacred Heart College Chalakudy, in partial fulfilment of the requirement for the award of the Degree of Master of Science in Physics, is an authentic record of the work carried out under my supervision and guidance.

Date:

Place:

Dr.DINU ALEXANDER

Assistant Professor

Department of Physics

Nirmala College, Muvattupuzha

STUDY ON THE ANTIBACTERIAL PROPERTIES OF ZINC OXIDE NANOPARTICLES AND SILVER DOPED ZINC OXIDE NANOPARTICLES

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree In

MASTER OF SCIENCE

IN

PHYSICS

By

BETTY MARIYA VARGHESE

Reg.no:SHAUMPH005



Chalakudy ,Thrissur

Under the guidance of

Dr.Manjusha M V

Assistant Professor Of Department Of Physics

Cochin College, Koovapadam

2020-2022

CERTIFICATE

This is to certify that this project report entitled **"*STUDY ON THE ANTIBACTERIAL PROPERTIES OF PURE AND SILVER DOPED ZINC OXIDE NANOPARTICLES*"** is an authentic record of project work carried out by Ms. Betty Mariya Varghese, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision in the Department of Physics,Cochin College, Koovapadam . The contents of this project work have not been presented earlier for the award of any other degree in any other University.

Dr. Manjusha M V

Assistant Professor

Department of Physics

Cochin College, Koovapadam

STUDY ON THE ANTIBACTERIAL PROPERTIES OF ZINC OXIDE NANOPARTICLES AND SILVER DOPED ZINC OXIDE NANOPARTICLES

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award of the degree in

MASTER OF SCIENCE IN PHYSICS

By

K.DISHA DAVID

Reg. no: SHAUMPH010

Department of Physics, Sacred Heart College Chalakudy, Thrissur

Under the guidance of

Dr. Manjusha M V

Assistant Professor

Dept. of Physics

Cochin College, Koovapadam

2020-2022

DEPARTMENT OF PHYSICS
COCHIN COLLEGE, KOOVAPADAM

CERTIFICATE

This is to certify that this project report entitled **"STUDY ON THE ANTIBACTERIAL PROPERTIES OF ZINC OXIDE NANOPARTICLES AND SILVER DOPED ZINC OXIDE NANOPARTICLES"** is an authentic record of project work carried out by Ms **K.DISHA DAVID**(Reg.No.**SHAUMPH010**), student of Master of Science in Physics, Department of Physics, Sacred Heart College Chalakudy, successfully completed under my supervision in the Department of Physics, Cochin College, Koovapadam. The content of this project has not been included in any other project report submitted previously for the award of any degree.

Dr MANJUSHA M V
Assistant Professor
Department Of Physics
The Cochin College
Cochin- 682 002

12/08/22.

Dr. Manjusha M.V
Assistant Professor
Department of Physics
The Cochin College,
Kochi

Place:

Date:

STRUCTURAL AND OPTICAL CHARACTERIZATION OF Ni DOPED CuO NANOPARTICLES

Dissertation submitted to the

UNIVERSITY OF CALICUT

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

Master of Science

IN

Physics

Submitted by

BETSY BABY NALUKANDAN

Reg. No.:SHAUMPH004

Department of Physics, Sacred Heart College, Chalakudy, Thrissur

Under the esteemed supervision and guidance of

Dr. SHEEBA N.H

Associate Professor

Department of Physics,

M.E.S. Asmabi College, P. Vemballur

2020-2022

Department of Physics, Sacred Heart College, Chalakudy

2021-2022

CERTIFICATE

This is to certify that this project report entitled **"STRUCTURAL AND OPTICAL CHARACTERIZATION OF Ni DOPED CuO NANOPARTICLES"** is an authentic record of the project work carried out by Ms. Betsy Baby Nalukandan, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision in the Department of Physics, M.E.S. Asmabi College, P. Vemballur, Thrissur. The contents of this project work has not been presented earlier for the award of any other degree in any other universities.

Date: 16/8/22

Place: KODUNGALLUR

Dr. SHEEBA N.H. M.Phil, Ph.D
Associate Professor in Physics
M.E.S. Asmabi College, P.Vemballur

Dr. Sheeba N.H

Associate Professor

Department of Physics

M.E.S. Asmabi College

P. Vemballur, Thrissur

"TO PREDICT THE DIELECTRIC CONSTANT OF A COMPOSITE (POLYMER CERAMIC COMPOSITE) USING ELECTRODYNAMICS THEORY WITHOUT ACTUALLY MEASURING THE SAME"

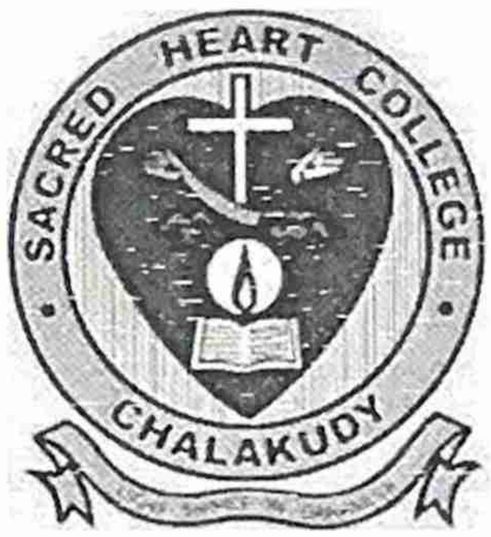
Submitted by :

KAVYA S
Reg No: SHAUMPH009

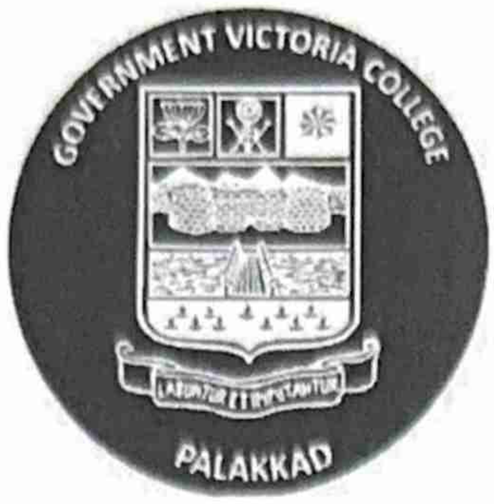
Supervisor:

Dr. Tony Joseph

Project report submitted to the University of Calicut in partial fulfilment of the requirements for the award of the Degree of
MASTER OF SCIENCE IN PHYSICS



Department of physics
Sacred Heart College , Chalakudy-680307,Thrissur
University of Calicut , Kerala



THE DEPARTMENT OF PHYSICS
Government Victoria college, palakkag 678001

2020-2022

CERTIFICATE

(Supervisor)

This is to certify that the thesis entitled **TO PREDICT THE DIELECTRIC CONSTANT OF A COMPOSITE (POLYMER CERAMIC COMPOSITE USING ELECTRODYNAMICS THEORY WITHOUT ACTUALLY MEASURING THE SAME** is an authentic record of the work carried out by Ms.kavya s under my supervision and guidance during 2020-2022 in partial fulfillment of the requirements for the award of degree of Master of science in physics under the University of Calicut. The work presented in this thesis involves to predict the dielectric constant of a composite (polymer ceramic composite using electrodynamics theory without actually measuring the same. This particular project has not been submitted for any other degree or diploma earlier by this student.

Dr. Tony Joseph
Assistant Professor,
Department of physics,
Government Victoria College,
Palakkad

17/08/2022
Palakkad

Ce DOPED CuO NPs :STRUCTURAL AND OPTICAL CHARACTERIZATION

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree

Master of Science

In

Physics

by

AHALYA GOPI

Reg.no: SHAUMPHOOI

Department of Physics,Sacred Heart College

Chalakudy, Thrissur

Under the guidance of

Dr. SHEEBA N H

Associate Professor

Department of physics,

M.E.S Asmabi College, P. Vemballur

2020-2022

CERTIFICATE

This is to certify that this project report entitled "Ce DOPED CuO NPs : STRUCTURAL AND OPTICAL CHARACTERIZATION" is an authentic record Of project work carried out by Ms AHALYA GOPI, student of Master Of Science in Physics , Department Of physics, Sacred Heart College Chalakudy, successfully completed under my supervision in department Of physics, M.E.S ASMABI COLLEGE, P.Vemballur. The Contents Of this project work have not been presented earlier for the award of any other degree in any other university.

Date:

Place:

Dr.SHEEBA N H

Dr. SHEEBA N.H. M.Phil, Ph.D
Associate Professor in Physics
M.E.S. Asmabi College, P.Vemballur

Associate Professor

Dept.of Physics

M.E.S ASMABI COLLEGE

P. Vemballur

ANTIBACTERIAL ACTIVITY OF STRUCTRALLY CHARACTERIZED CuO:Ag NANOPARTICLES

Dissertation submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree

Master of science

In

Physics

by

AKHILA N V

Reg.no: SHAUMPH002

Department of Physics, Sacred Heart College, Chalakudy, Thrissur

Under the guidance of

Dr. SHEEDA N.H

Associate Professor

Department of Physics,

M.E.S. Asmabi College , P.Vemballur

2020-2022

CERTICIFICATE

This is to certify that this project report " ANTIBACTERIAL ACTIVITY OF STRUCTRALLY CHARACTERIZED CuO:Ag NANOPARTICLES " is an authentic record of project work carried out by MS Akhila N V, Student of Master of Science in Physics, Department of Physics, Sacred Heart College Chalakudy, Successfully completed under mysuper vision in department of Physics, MES Asmabi. P, Vemballur. The contents of this project work have not been presented earlier for the award of any other universities.

Date:

Place:

Dr.sheeba N.H

Associate Professor

Department of physics

M.E.S Asmabi College

P.Vemballur, Thrissur

Dr. SHEEBA N.H. M.Phil, Ph.D
Associate Professor in Physics
M.E.S. Asmabi College, P.Vemballur

CHARACTERIZATION AND ANTI-BACTERIAL ACTIVITY OF Zn DOPED CuO NANOPARTICLES

Dissertation submitted to the

UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award the degree

Master of Science

IN

Physics

Submitted by

JAINA JACOB

Reg. No.:SHAUMPH006

Department of Physics, Sacred Heart College, Chalakudy, Thrissur

Under the esteemed supervision and guidance of

Dr. SHEEBA N.H

Associate Professor

Department of Physics,

M.E.S. Asmabi College, P. Vemballur

2020-2022

Department of Physics, Sacred Heart College, Chalakudy

2020-2022

CERTIFICATE

This is to certify that this project report entitled " **CHARACTERIZATION AND ANTI-BACTERIAL ACTIVITY OF Zn DOPED CuO NANOPARTICLES"** is an authentic record of the project work carried out by Ms. Jaina Jacob, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision in the Department of Physics, M.E.S. Asmabi College, P. Vemballur, Thrissur. The contents of this project work has not been presented earlier for the award of any other degree in any other universities.

Date: 16/8/22

Place:

Dr. SHEEBA N.H. M.Phil, Ph.D
Associate Professor in Physics
M.E.S. Asmabi College, P.Vemballur

Dr. Sheeba N.H

Associate Professor

Department of Physics

M.E.S Asmabi College

P. Vemballur, Thrissur

DEVICE MODELLING OF METHYL AMMONIUM TIN BROMIDE PEROVSKITE SOLAR CELL

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree In

MASTER OF SCIENCE IN PHYSICS

By

JUDI VARGHESE

Reg. no: SHAUMPH008

Under the guidance of

Dr SUDHEER SEBASTIAN K

Professor

Post Graduate and Research Department of Physics, Christ College
(Autonomous) Irinjalakuda

2020 - 2022

DEPARTMENT OF PHYSICS

CHRIST COLLEGE(AUTONOMOUS) IRINJALAKUDA

CERTIFICATE

This is to certify that the project work entitled "**DEVICE MODELLING OF METHYL AMMONIUM TIN BROMIDE PEROVSKITE SOLAR CELL**" by **Ms JUDI VARGHESE** (Reg.No.SHAUMPH008), Department of Physics, Sacred Heart College Chalakudy, in partial fulfilment of the requirement for the award of the Degree of Master of Science in Physics, is an authentic record of the work carried out under my supervision and guidance.

Place:Irinjalakuda

Date:

Dr SUDHEER SEBASTIAN K.

Professor

Department of Physics

Christ college autonomous Irinjalakuda

JUDD – OFELT ANALYSIS AND SPECTROSCOPIC CHAERACTERISATION OF EUROPIUM DOPED CALCIUM TUNGSTATE PHOSPHOR

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree

MASTER OF SCIENCE IN PHYSICS

By

ANJANA ROSE Reg. no: SHAUMPH003

Under the guidance of

Dr. DINU ALEXANDER

Assistant Professor

Department of Physics, Nirmala College, Muvattupuzha

2020-2022

DEPARTMENT OF PHYSICS NIRMALA COLLEGE, MUVATTUPUZHA

CERTIFICATE

This is to certify that the project work entitled "**JUDD-OFELT ANALYSIS AND SPECTROSCOPIC CHARACTERISATION OF EUROPIUM DOPED CALCIUM TUNGSTATE PHOSPHOR**" by Ms.Anjana Rose, Department of Physics, Sacred Heart College Chalakudy, in partial fulfilment of the requirement for the award of the Degree of Master of Science in Physics, is an authentic record of the work carried out under my supervision and guidance.



Date:

Place:

Dr.DINU ALEXANDER

Assistant Professor

Department of Physics

Nirmala College, Muvattupuzha

GREEN SYNTHESIS OF TiO_2 NANOPARTICLE,CHARACTERISATION AND APPLICATION

PROJECT REPORT

Submitted in fulfillment for the award of the degree of

MASTER OF SCIENCE

In

CHEMISTRY

(4th SEMESTER)

2020 Batch

UNIVERSITY OF CALICUT

By

ANJALY ANTONY **SHAUMCH001**

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

AUGUST 2022

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE,CHALAKUDY

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

CERTIFICATE

This is to certify that the project report titled "**GREEN SYNTHESIS OF TiO_2 NANOPARTICLE,CHARACTERISATION AND APPLICATION**" is the bonafide work carried out by "**ANJALY ANTONY(SHAUMCH001)**" under the guidance of Miss Heena Peethambaran at this department in partial fulfillment of the requirements of the university of Calicut for the award of Degree of Master of Science in Chemistry during 4th semester(2020-2022).

PROJECT GUIDE

Miss. Heena Peethambaran

(Faculty)

HEAD OF DEPARTMENT

Dr. Santhosh Paul

(Professor)

Head of the Department
Department of Chemistry
Sacred Heart College Chalakudy

Place:Chalakudy

Date: 26-08-2022

DEVELOPMENT OF ANION EXCHANGE MEMBRANES FOR WATER ELECTROLYSIS AND FUEL CELLS

Project report submitted to the University of Calicut in partial fulfilment of the requirement for the award of the Degree,

MASTER OF SCIENCE IN CHEMISTRY

By

ANN MARIYA SHAJI

(Reg.No.SHAUMCH002)



DEPARTMENT OF CHEMISTRY,

SACRED HEART COLLEGE, CHALAKUDY,

THRISSUR, KERALA-680307

JULY 2022

CHRIST

COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA
Reaccredited by NAAC with 'A' grade

CERTIFICATE

This is to certify that the project work entitled, **"DEVELOPMENT OF ANION EXCHANGE MEMBRANES FOR WATER ELECTROLYSIS AND FUEL CELLS"** is an authentic record of the study carried out by **ANN MARIYA SHAJI (Reg.No.SHAUMCH002)** as the part of M.Sc. practical during the year 2020-2022 and the result of this work have not been presented for the award of any other degree/diploma in any university.

Guided by,

Place: Chalakudy
Date:19/08/2022

Dr. V.T

Dr. V.T JOY

Associate professor & Head,
Department of Chemistry
Christ College, Irinjalakuda

Dr. V.T. JOY
Assistant Professor & Head
Department of Chemistry
Christ College
Irinjalakuda, Pin: 680125

POST GRADUATE DEPARTMENT OF CHEMISTRY SACRED HEART COLLEGE, CHALAKUDY

CERTIFICATE

This is to certify that Miss. **ANN MARIYA SHAJI (Reg.No.SHAUMCH002)** has carried a project work entitled **"DEVELOPMENT OF ANION EXCHANGE MEMBRANES FOR WATER ELECTROLYSIS AND FUEL CELLS"** done at Christ College (Autonomous), Irinjalakuda in partial fulfilment of the requirements for award of **MASTER OF SCIENCE DEGREE IN CHEMISTRY** of the University of Calicut during the academic year 2022.

Place: Chalakudy

Date: 19/08/2022

Dr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College, Chalakudy

COMPARATIVE STUDY OF PHOTOCATALYTIC DEGRADATION OF ANTIBIOTICS BY USING SOL GEL SYNTHESISED NANOCRYSTALLINE TiO_2

A PROJECT REPORT SUBMITTED TO

UNIVERSITY OF CALICUT

IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN CHEMISTRY

PROJECT REPORT

By

DINIYA V V

Reg. No: SHAUMCH003



DEPARTMENT OF CHEMISTRY

SCARED HEART COLLEGE

CHALAKUDY

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE

CHALAKUDY

CERTIFICATE

I hereby certify that the bonafide record of the project work entitled 'COMPARATIVE STUDY OF PHOTOCATALYTIC DEGRADATION OF ANTIBIOTICS BY USING SOL GEL SYNTHESISED NANOCRYSTALLINE TiO_2' has successfully carried out by DINIYA.V.V, Reg. No. SHAUMCH003 in partial fulfillment of the requirements for the award of degree of master of Chemistry from Calicut University during academic year 2020-2022.

HEAD OF THE DEPARTMENT

Dr Santhosh Paul

DEPARTMENT OF CHEMISTRY

ST. JOSEPH'S COLLEGE (AUTONOMOUS)

IRINJALAKUDA

CERTIFICATE

I hereby certified that this is the bonafide record of the project work entitled "A COMPARATIVE STUDY OF PHOTOCATALYTIC DEGRADATION OF ANTIBIOTICS BY USING SOL GEL SYNTHESISED NANOCRYSTALINE TIO_2" has successfully carried out by **DINIYA V. V. (Reg. No: SHAUMCH003)** in the partial fulfilment of the requirements for the award of the degree of Master of Chemistry from Calicut University during the academic year 2020-2022. This was carried out under my guidance and supervision and that has not been included in any other project submitted for the award of any other degree or diploma.

Dr. MANOJ A. L.
Assistant Professor
Department of Chemistry
St. Joseph's College (Autonomous)
Irinjalakuda

Dr.MANOJ A.L
Assistant Professor
Research Department Of Chemistry
St.Joseph's College,Irinjalakuda

PHOTOCATALYTIC DEGRADATION OF ORGANIC POLLUTANT FROM AGRICULTURAL WASTE WATER BY USING SOL GEL SYNTHESIZED NANOCRYSTALLINE TITANIUM DIOXIDE

Project report submitted to

UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the degree of

MASTER OF SCIENCE IN CHEMISTRY

2020-2022

Submitted By

JAINA C.J.

REG. NO. SHAUMCH004



DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

680121

DEPARTMENT OF CHEMISTRY

ST. JOSEPH'S COLLEGE (AUTONOMOUS)

IRINJALAKUDA

CERTIFICATE

This is to certify that Ms. Jaina C. J, MSc Chemistry student of Sacred Heart College, Chalakudy, has successfully completed her Project Work on the topic **"PHOTOCATALYTIC DEGRADATION OF ORGANIC POLLUTANT FROM AGRICULTURAL WASTE WATER BY USING SOL GEL SYNTHESIZED NANOCRYSTALLINE TITANIUM DIOXIDE"** at St. Joseph's College (Autonomous), Irinjalakuda under my guidance.

Dr. Manoj Lazar

Assistant Professor

Department of Chemistry

St. Joseph's College, Irinjalakuda

Dr.MANOJ A.L
Assistant Professor
Research Department Of Chemistry
St.Joseph's College,Irinjalakuda

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

CERTIFICATE

This is to certify that the project work entitled **"PHOTOCATALYTIC DEGRADATION OF ORGANIC POLLUTANT FROM WASTE WATER BY USING SOL GEL SYNTHESIZED NANOCRYSTALLINE TITANIUM DIOXIDE "** successfully carried out by **JAINA C J (REG. NO. SHAUMCH004)** is a bonafide record of project work out by the author under my supervision, in partial fulfillment of the requirement for the Degree of Master of Science in Chemistry from University of Calicut, Kerala.

Forwarded By

Dr. SANTHOSH PAUL

Head of department of chemistry

Sacred Heart College Chalakudy

WATER SORPTION ON MODIFIED STARCH FILMS

Project Report Submitted to

UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the degree of

MASTER OF SCIENCE IN CHEMISTRY

2020-2022

Submitted by

JENCY JOY

Reg. No. SHAUMCHC005

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

680121

CERTIFICATE

This is to certify that the dissertation entitled **"WATER SORPTION ON MODIFIED STARCH FILMS"** is a bonafied project work done at **"SREE SANKARA COLLEGE, KALADY"** submitted by **Ms. JENCY JOY** final year student of **MSc. Chemistry, Sacred Heart College, Chalakudy** in partial fulfillment of requirement of **Post Graduate Degree in Chemistry** under my supervision and guidance.

Chalakudy

Date : 30/08/2022

Dr. Santhosh Paul

HOD

Department of Chemistry

SH College, Chalakudy

Head of the Department
Department of Chemistry
Sacred Heart College Chalakudy

Phone : 0484 - 2462341

Fax 0484-2465879
e-mail info@sreesankaracollege.org
http://sscollege.ac.in

SREE SANKARA COLLEGE

(Affiliated to the Mahathma Gandhi University and included under Sec. 2 (f) list / and 12 (B) of the U G C Act)
and Re - accredited by NAAC with B++ grade

PATRON HIS HOLINESS JAGADGURU
SREE SANKARACHARYA MAHASWAMIGAL
SRI SARADA PEETHAM, SRINGERI

POST BOX No. 1
KALADY - 683 574
ERNAKULAM DIST
KERALA STATE

CERTIFICATE

This is to certify that the project entitled "WATER SORPTION ON MODIFIED STARCH FILMS" a bonafied project work done by Ms.JENCY JOY Register number: SHAUMCH005 , in partial fulfillment of requirement for award of degree of MASTER OF SCIENCE IN CHEMISTRY under guidance of Dr.SREEKALA M.S , Assistant Professor Department of Chemistry. Sree Sankara College Kalady.

Sreekala

Dr.Sreekala M.S
Assistant Professor
Dept. of Chemistry
Sree Sankara College
Kalady

Place: Kalady
Date: 04. 04. 2022

DEPART... OF ...
KALADY
PIN-683 57...
SREE SANKARA C...

GREEN SYNTHESIS OF CeO_2 NANOPARTICLE, CHARACTERISATION AND APPLICATION

PROJECT REPORT

Submitted in fulfillment for the award of the degree of

MASTER OF SCIENCE

In

CHEMISTRY

(4th SEMESTER)

2020 Batch

UNIVERSITY OF CALICUT

By

JULIEYA JOHN **SHAUMCH006**

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

AUGUST 2022

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE,CHALAKUDY

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

BONAFIDE CERTIFICATE

This is to certify that the project report titled "**GREEN SYNTHESIS OF CeO_2 NANOPARTICLE CHARACTERIZATION AND APPLICATION**" is the bonafide work carried out by "**JULIEYA JOHN(SHAUMCH006)**" under the guidance of Miss Heena Peethambaran at this department in partial fulfillment of the requirements of the university of Calicut for the award of Degree of Master of Science in Chemistry during 4th semester(2020-2022).

PROJECT GUIDE
Miss. Heena Peethambaran
(Faculty)

HEAD OF DEPARTMENT
D.r. Santhosh Paul
(Professor)

Head of the Department
Department of Chemistry
Sacred Heart College Chalakudy

Place:Chalakudy

Date: 26/08/2022

DEVELOPMENT OF ANION EXCHANGE MEMBRANE FOR REDOX FLOW BATTERIES

Project report submitted to the University of Calicut in partial fulfilment of the requirement for the award of the Degree,

MASTER OF SCIENCE IN CHEMISTRY

By

MARIYA DAVIS
(Reg.No.SHAUMCH007)



DEPARTMENT OF CHEMISTRY,

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR, KERALA-680307

JULY 2022

CHRIST

COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA
Reaccredited by NAAC with 'A' grade

CERTIFICATE

This is to certify that the project work entitled **"DEVELOPMENT OF ANION EXCHANGE MEMBRANE FOR REDOX FLOW BATTERIES"** submitted to faculty of Science, university of Calicut in partial fulfilment of the requirement for the degree of **Master of Science in Chemistry** is authentic record of work carried out at Christ College Irinjalakuda (Autonomous) by **MARIYA DAVIS (Reg.No.SHAUMCH007)** and was supervised and guided by Dr.V.T JOY, Head of Department of Chemistry, Christ College Irinjalakuda.

Place: Irinjalakuda
Date: 19/08/2022

Dr. V.T JOY
Associate professor & Head,
Department of Chemistry
Christ College, Irinjalakuda

V.T. JOY
Professor & Head
Dept. of Chemistry
Christ College
Irinjalakuda, Pin: 680125

POST GRADUATE DEPARTMENT OF CHEMISTRY SACRED HEART COLLEGE, CHALAKUDY

CERTIFICATE

This is to certify that Miss. **MARIYA DAVIS (Reg.No.SHAUMCH007)** has carried a project work entitled **"DEVELOPMENT OF ANION EXCHANGE MEMBRANE FOR REDOX FLOW BATTERIES"** done at Christ College (Autonomous), Irinjalakuda in partial fulfilment of the requirements for award of **MASTER OF SCIENCE IN CHEMISTRY** of the University of Calicut during the academic year 2020-2022.

Place: Chalakudy
Date: 29/08/2022

Dr. Santhosh Paul
Head of Department of chemistry
Sacred Heart College, chalakudy

Head of the Department
Department of Chemistry
Sacred Heart College Chalakudy

"ELECTRONIC STRUCTURE AND BONDING PROPERTIES OF d^{10} *N*-HETEROCYCLIC CARBENE COMPLEXES-A DFT STUDY"

Project report submitted to the

UNIVERSITY OF CALICUT



in the partial fulfillment for the

DEGREE OF MASTER OF SCIENCE
in
CHEMISTRY

By
NEERAJA P (SHAUMCH008)



DEPARTMENT OF CHEMISTRY
SACRED HEART COLLEGE
RAILWAY STATION ROAD, CHALAKUDY,
THRISSUR, KERALA, INDIA – 680307
2022

SCHOOL OF CHEMICAL SCIENCES
Mahatma Gandhi University
Priyadarshini Hills, Kottayam,
Kerala-686560, India
Tel/Fax:+91-481-2731036;E-mail:beenamathew@mgu.ac.in

Dr. Beena Mathew
Professor

22.08.2022

CERTIFICATE

This is to certify that the dissertation entitled: **"ELECTRONIC STRUCTURE AND BONDING PROPERTIES OF d^{10} *N*-HETEROCYCLIC CARBENE COMPLEXES-A DFT STUDY"** submitted to the University of Calicut in partial fulfillment of requirements for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record of the original work done by **Ms.NEERAJA P**, Sacred Heart College, Chalakudy, Thrissur in the School of Chemical Sciences under my supervision and guidance.

Bee. M.

Dr. Beena Mathew

Dr. BEENA MATHEW
Professor
School of Chemical Sciences
Mahatma Gandhi University
Priyadarsini Hills P.O.
Kottayam, Kerala-686 560

POST GRADUATE DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

CERTIFICATE

This is to certify that **Miss. NEERAJA P** has carried a project work entitled **"Electronic structure and bonding properties of d^{10} *N*-heterocyclic carbene complexes-A DFT study"** done at School of Chemical Sciences, Mahatma Gandhi University, Kottayam and submitted in partial fulfilment of requirements for award of MASTER OF SCIENCE DEGREE IN CHEMISTRY of the University of Calicut during the academic year 2022.

Dr. Santhosh Paul

Head of the Department
Department of Chemistry
Sacred Heart College Chalakudy

Place: Chalakudy

Date: 29/08/2022

"SYNTHESIS OF NATURAL FIBER (GARLIC FIBER) REINFORCED NATURAL RUBBER COMPOSITES WITH EGGSHELL POWDER AND STUDY ON THE PHYSICAL AND MECHANICAL PROPERTIES OF THE VULCANIZATE"

Dissertation submitted to the UNIVERSITY OF CALICUT

in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY

By

NIMISHA.C

Reg No:SHAUMCH009



Department of Chemistry

Sacred Heart college

Chalakudy -680307

2020-2022

Government of Kerala

Common Facility Service Centre

Department of Industries & Commerce

(ISO 9001: 2015 Certified)

This is to certify that

Ms. Nimisha.C

(Second Year Msc Chemistry)

of Sacred Heart College, Chalakudy

has successfully completed a project study on

"SYNTHESIS OF NATURAL FIBER(GARLIC FIBER)REINFORCED NATURAL RUBBER COMPOSITES WITH EGG SHELL POWDER AND STUDY ON THE PHYSICAL AND MECHANICAL PROPERTIES OF THE VULCANIZATE"

at the Testing Laboratory of

Commom Facility Service Centre

Changanacherry

From 24-05-2022 to 28-05-2022

Date:16.08.2022

DEPUTY DIRECTOR

Industrial Nagar P. O., Changanacherry, Kottayam- 686 106

Phone : 0481- 2720311, E-mail: cfscchry@gmail.com, cfsc@cfsc.org.in, web:www.cfsc.org.in

POST GRADUATE DEPARTMENT DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE CHALAKUDY

CERTIFICATE

This is to certify that Miss. Nimisha.c has carried a project work entitled"**SYNTHESIS OF NATURAL FIBER (GARLIC FIBER) REINFORCED NATURAL RUBBER COMPOSITES WITH EGGSHELL POWDER AND STUDY ON THE PHYSICAL AND MECHANICAL PROPERTIES OF THE VULCANIZATE"** done at **CFSC changanacherry,KOTTAYAM** and submitted to the partial fulfillment of requirements of requirements for award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** of the University of calicut during the academic year 2020-2022

Place : Chalakudy

Date:

Dr . Santhosh Paul

Head Of the Department

"EFFECT OF MODIFICATIONS ON THE MECHANICAL PROPERTIES OF STARCH FILMS"

Dissertation submitted to

UNIVERSITY OF CALICUT

In partial fulfillment of the requirements for the Award of the

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

REEGA DAVIS

Reg No: SHAUMCH010

Year: 2020-2022

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE CHALAKUDY

Under the Guidance of

Dr. SREEKALA M.S

Asst. Professor

POST GRADUATE DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE KALADY

Under the co-guidance of

DEPARTMENT OF CHEMISRTY

SACRED HEART COLLEGE CHALAKUDY

Phone : 0484 - 2462341

Fax : 0484 -2466878
e-mail :info@sreesankaracollege.org
info@ssc.edu.in

SREE SANKARA COLLEGE

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and Re - accredited by NAAC with B++ grade

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SREE SANKARACHARYA MAHASWAMIGAL
SRI SARADA PEETHAM, SRINGERI

POST BOX No. 1
KALADY - 683 574
ERNAKULAM DIST
KERALA STATE

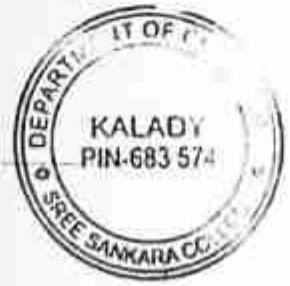
CERTIFICATE

This is to certify that the project entitled "EFFECT OF MODIFICATIONS ON THE MECHANICAL PROPERTIES OF STARCH FILMS" a bonafied project work done by Ms. REEGA DAVIS Reg. No. SHAUMCH010, in the partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY under the guidance of Dr SREEKALA M.S, Assistant Professor, Department of Chemistry,Sree Sankara College, Kalady.

Sreekala

Dr.Sreekala M.S
Assistant Professor
Dept. of Chemistry
Sree Sankara College
Kalady

Place: Kalady
Date: 04. 04. 2022



CERTIFICATE

This is to certify that the dissertation entitled **"EFFECT OF MODIFICATION ON THE MECHANICAL PROPERTIES OF STARCH FILMS"** is a bonafied project work done at "Sree Sankara College Kalady submitted by Ms. REEGA DAVIS, final year student of MSc. Chemistry, Sacred Heart College Chalakudy in partial fulfillment of the requirement of post graduate degree in chemistry, under my guidance and supervision.

Chalakudy
Date: 30/08/2022

Dr. Santhosh Paul
HOD.
Dept of Chemistry
SH College Chalakudy

GREEN SYNTHESIS OF SiO_2 NANOPARTICLE, CHARACTERISATION AND APPLICATION

PROJECT REPORT

Submitted in fulfillment for the award of the degree of

MASTER OF SCIENCE

In

CHEMISTRY

(4th SEMESTER)

2020 Batch

UNIVERSITY OF CALICUT

By

SAJITHA BARVIN S **SHAUMCH011**

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

AUGUST 2022

DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

BONAFIDE CERTIFICATE

This is to certify that the project report titled "**GREEN SYNTHESIS OF SiO_2 NANOPARTICLE, CHARACTERISATION AND APPLICATION**" is the bonafide work carried out by "**SAJITHA BARVIN S (SHAUMCH011)**" under the guidance of Miss Heena Peethambaran at this department in partial fulfillment of the requirements of the university of Calicut for the award of Degree of Master of Science in Chemistry during 4th semester(2020-2022).

PROJECT GUIDE

Miss. Heena Peethambaran

(Faculty)

HEAD OF DEPARTMENT

D.r. Santhosh Paul

(Professor)

Head of the Department
Department of Chemistry
Sacred Heart College, Chalakudy

Place: Chalakudy

Date: 26-8-2022

STUDY AND ANALYSIS OF THE EFFECT OF RICE HUSK AND RICE BRAN IN EQUAL PROPORTIONS ON THE PHYSICAL AND MECHANICAL PROPERTIES OF NBR MODIFIED NATURAL RUBBER COMPOSITES

Dissertation submitted to University of Calicut in partial fulfilment of the requirement for the Award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

SMITHA K

Reg No: SHAUMCH012



DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE

CHALAKUDY

THRISSUR-680722

2020-2022

nment of Kerala

Common Facility Service Centre

Department of Industries & Commerce

(ISO 9001: 2015 Certified)

This is to certify that

Ms. Smitha.K

(Second Year Msc Chemistry)

of Sacred Heart College, Chalakudy

has successfully completed a project study on

"STUDY AND ANALYSIS OF EFFECT OF RICE HUSK AND RICE BRAN IN EQUAL PROPORTIONS ON THE PHYSICAL AND MECHANICAL PROPERTIES OF NBR MODIFIED NATURAL RUBBER COMPOSITES"

at the Testing Laboratory of

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From 24-05-2022 to 28-05-2022

Date:16.08.2022

DEPUTY DIRECTOR

Industrial Nagar P. O., Changanacherry, Kottayam- 686 106

Phone : 0481- 2720311, E-mail: cfscchry@gmail.com, cfsc@cfsc.org.in, web:www.cfsc.org.in

POST GRADUATE DEPARTMENT OF CHEMISTRY
SACRED HEART COLLEGE, CHALAKUDY

CERTIFICATE

This is to certify that Miss. SMITHA.K has carried a project work entitled **"STUDY AND ANALYSIS OF EFFECT OF RICE HUSK AND RICE BRAN IN EQUAL PROPORTIONS ON THE PHYSICAL AND MECHANICAL PROPERTIES OF NBR MODIFIED NATURAL RUBBER COMPOSITES "** done at **CFSC, Changanachery, KOTTAYAM** and submitted in partial fulfilment of requirements for award of **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** of the University of Calicut during the academic year 2020-2022.

Place:Chalakudy

Date :

Dr.Santhosh Paul

Head of the Department

IDENTITY AND RACE: POSTCOLONIAL EXPATIATE OF CHIMAMANDA NGOZI ADICHIE'S *HALF OF A YELLOW SUN* AND *AMERICANAH*

Dissertation

Submitted to the University of Calicut

In Partial Fulfillment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

ARCHANA S. KUMAR

SHAUMEG001



17/04/22

JAISON JOSE. P.
Assistant Professor
English Department
St. Aloysius College
Elthuruthu, Thrissur
Kerala - 680 611

Department of English

Sacred Heart College, Chalakudy, Thrissur- 680 307

2022

CERTIFICATE

This is to certify that the dissertation entitled **"Identity And Race: Postcolonial Expatiate Of Chimamanda Ngozi Adichie's *Half Of A Yellow Sun* And *Americanah*"** is an original work done by Archana S. Kumar during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.



Ms. Bindu Jose
Associate Professor
Head of the Department
Sacred Heart College
Chalakudy - 680307



Ms. Keerthana P.K.
Supervising Teacher
Department of English
Sacred Heart College
Chalakudy - 680307

QUEST FOR IDENTITY AND INDEPENDENCE IN PREETHI SHENOY'S *THE RULE BREAKERS*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

C.A. ABIL ROSE

SHAUMEG002







Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, "**Quest for Identity and Independence in Preethi Shenoy's *The Rule Breakers***" is an original work done by C.A. Abil Rose during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Ms. Bindu Jose

Associate Professor

Head of the Department

Sacred Heart College

Chalakudy - 680307

Ms. Keerthana P.K.

Supervising Teacher

Department of English

Sacred Heart College

Chalakudy - 680307

EXPLORING MAGICAL REALISM AND QUEER IDENTITY IN MAGICAL SPACES IN ANNA-MARIE MCLEMORE'S *WILD BEAUTY* AND HELEN OYEYEMI'S *WHAT IS NOT YOURS IS NOT YOURS*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

DEVIKA SUNILKUMAR

SHAUMEG003



Department of English

Sacred Heart College, Chalakudy, Thrissur 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, "**Exploring Magical Realism and Queer Identity in Magical Spaces in Anna-Marie McLemore's *Wild Beauty* and Helen Oyeyemi's *What Is Not Yours Is Not Yours***" is an original work done by Devika Sunilkumar during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Ms. Bindu Jose
Associate Professor
Head of the Department
Sacred Heart College
Chalakudy - 680307

Ms. Keerthana P.K.
Supervising Teacher
Department of English
Sacred Heart College
Chalakudy - 680307

REFLECTION OF THE TRAUMATIZED: A CRITICAL STUDY OF THE NOVELS *GONE GIRL* BY GILLIAN FLYNN AND THE *SILENT PATIENT* BY ALEX MICHAELIDES THROUGH TRAUMA THEORY

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

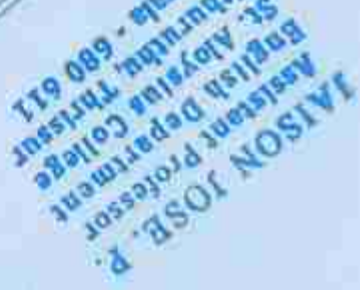
by

DRISYA SUBRAN

SHAUMEG004







Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, **"Reflection of The Traumatized: A Critical Study of The Novels *Gone Girl* by Gillian Flynn and *The Silent Patient* by Alex Michaelides Through Trauma Theory"** is an original work done by Drisya Subran during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.



Ms. Bindu Jose
Associate Professor
Head of the Department
Sacred Heart College
Chalakudy - 680307



Ms. Anurose J Panakkal
Supervising Teacher
Department of English
Sacred Heart College
Chalakudy - 680307

RACISM IN AMERICA: CRITICAL STUDY OF *BETWEEN THE WORLD AND ME* BY TA-NEHISI COATES AND *CITIZEN: AN AMERICAN LYRIC* BY CLAUDIA RANKINE

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

JILNA JOSE

SHAUMEG005





Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, "**Racism in America: Critical Study of *Between the World and Me* by Ta-Nehisi Coates and *Citizen: An American Lyric* by Claudia Rankine**" is an original work done by Jilna Jose during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Bindu Jose

Ms. Bindu Jose

Associate Professor

Head of the Department

Sacred Heart College

Chalakudy - 680307

Ms. Anurose J Panakkal

Supervising Teacher

Department of English

Sacred Heart College

Chalakudy - 680307

A POSTMODERN EXPLORATION IN JULIAN BARNE'S THE SENSE OF AN ENDING AND CHITRA DIVAKARUNI'S ONE AMAZING THING

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

KRIPAMOL K M

SHAUMEG006

17/8/22

JAISON JOSE. P.
Assistant Professor
English Department
St. Aloysius College
Elthuruthu, Thrissur
Kerala - 680 611

Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, "**A Postmodern Exploration in Julian Barnes' *The Sense of an Ending* and Chitra Banerjee Divakaruni's *One Amazing Thing***" is an original work done by Kripamol K M during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed by the basis for the award of any degree, diploma or any other similar title.



Ms. Bindu Jose
Associate Professor
Head of the Department
Sacred Heart College
Chalakudy - 680307



Ms. Keerthana P.K.
Supervising Teacher
Department of English
Sacred Heart College
Chalakudy - 680307

UNMASKING OF THE ID: PERSONALITY IN RUSKIN BOND'S *PERFECT MURDER*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

MERIN. B. CHIRAMEL

SHAUMEG007

JAISON JOSE. P.
Assistant Professor
English Department
St. Aloysius College
Elthuruthu, Thrissur
Kerala - 680 611

Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, **"Unmasking of the id: Personality in Ruskin Bond's Perfect Murder"** is an original work done by Merin.B. Chiramel during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Ms. Bindu Jose

Associate Professor

Head of the Department

Sacred Heart College

Chalakudy - 680307

Ms. Anurose J. Panakkal

Supervising Teacher

Department of English

Sacred Heart College

Chalakudy - 680307

EXPERIENCING THE MORE-THAN-HUMAN WORLD IN RICHARD POWERS' *THE OVERSTORY*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

RAHNA P R

SHAUMEG008



17/8/22
JAISON JOSE. P.
Assistant Professor
English Department
St. Aloysius College
Elthuruthu, Thrissur
Kerala - 680 611

Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, **Experiencing the More-Than-Human World in Richard Powers' *The Overstory*** is an original work done by Kalna P R during 2020-2022 at the department of English, Scared Heart College, Chalakudy and that the dissertation has not previously formed by the basis for the award of any degree, diploma or any other similar title.



Ms. Bindu Jose

Associate Professor

Head of the Department

Sacred Heart College

Chalakudy - 680307



Ms. Keerthana P.K.

Supervising Teacher

Department of English

Sacred Heart College

Chalakudy - 680307

EXQUISITE LIFE OF A LADY WITH EXTRAORDINARY TALENT IN SONIA PURNELL'S *A WOMAN OF NO IMPORTANCE: THE UNTOLD STORY OF THE AMERICAN SPY WHO HELPED WIN WORLD WAR II*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

SOFIYA DAVIS

SHAUMEG009

19/8/22

JAISON JOSE. P.
Assistant Professor
English Department
St. Aloysius College
Elthuruthu, Thrissur
Kerala - 680 611

Department of English

Sacred Heart College, Chalakudy, Thrissur - 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled **"Exquisite Life of a Lady With Extraordinary Talent In Sonia Purnell's *A Woman of No Importance: The Untold Story of the American Spy Who Helped Win World War II"*** is an original work done by Soliya Davis during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Ms. Bindu Jose
Associate Professor
Head of the Department
Sacred Heart College
Chalakudy - 680307

Ms. Keerthana P.K.
Supervising Teacher
Department of English
Sacred Heart College
Chalakudy - 680307

IN SEARCH OF DALIT AESTHETICS: SOCIAL REALISM IN *KARUKKU* AND *MOTHERWIT*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

T. ASWATHI

SHAUMEG010

JAISON JOSE. P.
Assistant Professor
English Department
St. Aloysius College
Elthuruthu, Thrissur
Kerala - 680 611

Department of English

Sacred Heart College, Chalakudy, Thrissur 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled, **"In Search of Dalit Aesthetics: Social Realism in *Karukku* and *MotherWit*"** is an original work done by T. Aswathi during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Ms. Bindu Jose

Associate Professor

Head of the Department

Sacred Heart College

Chalakudy - 680307

Ms. Anurose J Panakkal

Supervising Teacher

Department of English

Sacred Heart College

Chalakudy - 680307

PURSUIT OF IDENTITY AND REALIZATION OF SELF IN ELIZABETH GILBERT'S *EAT, PRAY, LOVE: ONE WOMAN'S SEARCH FOR EVERYTHING ACROSS ITALY, INDIA, AND INDONESIA*

Dissertation

Submitted to the University of Calicut

In Partial Fulfilment of the

Requirement for the Award of the Degree of

Master of Arts

in

English Language and Literature

by

VISHNUPRIYA K.V.

SHAUMEG011





Department of English

Sacred Heart College, Chalakudy, Thrissur- 680307

2022

CERTIFICATE

This is to certify that the dissertation entitled **"Pursuit Of Identity And Realization Of Self In Elizabeth Gilbert's *Eat, Pray, Love: One Woman's Search For Everything Across Italy, India, And Indonesia*"** is an original work done by Vishnupriya K.V. during 2020-2022 at the department of English, Sacred Heart College, Chalakudy and that the dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title.

Ms. Bindu Jose
Associate Professor
Head of the Department
Sacred Heart College
Chalakudy - 680307

Ms. Keerthana P.K.
Supervising Teacher
Department of English
Sacred Heart College
Chalakudy - 680307

Purpose Technology
Find Your Purpose

Aiswarya House, Republic Road, N. Paravur, Ernakulam-683513
Ph: +919947299050, 9645755742 E-mail: purposetechnology@gmail.com

12 August 2022

CERTIFICATE

This is to certify that **Ms. Aleena Rose Jacob(Reg.SHAUMCS001)**,student of Msc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic **'Animal Detection Using Yolo and Darknet'** held at **Purpose Technology LLP** From **April 2022 to August 2022.**

As per our measurement, the candidate was excellent during the training period.

PURPOSE TECHNOLOGY LLP * N. PARAVUR * PIN-683 513

HARISHANKAR K NAIR
MANAGER

Purpose Technology
Find Your Purpose

Aiswarya House, Republic Road, N. Paravur, Ernakulam-683513
Ph: +919947299050, 9645755742 E-mail: purposetechnology@gmail.com

12 August 2022

CERTIFICATE

This is to certify that **Ms. Anju V A (Reg.SHAUMCS002)**, student of Msc. Computer Science, Sacred eart College, Chalakkudy has successfully completed the project training on topic **'Rainfall Prediction For nhancing Crop Yield Based On Machine Learning'** held at **Purpose Technology LLP** From **April 2022 to ugust 2022.**

s per our measurement, the candidate was excellent during the training period.

PURPOSE TECHNOLOGY LLP * N. PARAVUR * PIN-683 513

HARISHANKAR K NAIR
MANAGER

Purpose Technology
Find Your Purpose

Aiswarya House, Republic Road, N. Paravur, Ernakulam-683513
Ph: +919947299050, 9645755742 E-mail: purposetechnology@gmail.com

12 August 2022

CERTIFICATE

This is to certify that **Ms.Anugraha T S (Reg.SHAUMCS003)**,student of Msc. Computer Science, red Heart College, Chalakkudy has successfully completed the project training on topic **'Pedestrain unting Based On Mobilent'** held at **Purpose Technology LLP** From **April 2022 to August 2022.**

per our measurement, the candidate was excellent during the training period.

PURPOSE TECHNOLOGY LLP * N. PARAVUR * PIN-683 513

HARISHANKAR K NAIR

MANAGER

IMPULSE TECHNO SOLUTIONS

12 August 2022

CERTIFICATE

This is to certify that **Ms. Naziya N Khan (Reg.SHAUMCS005)**,student of Msc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic **'Mental Health Detection And Music Recommendation'** held at **Impulse Techno Solutions** From **April 2022 to August 2022.**

As per our measurement, the candidate was excellent during the training period.

RIJO

MANAGER

IMPULSE TECHNO SOLUTIONS COCHIN

IMPULSE TECHNO SOLUTIONS
Amman Kovil Road, North Paravur, Ernakulam
URL: www.impulsetechnosolutions.in | Email: info@ impulsetechnosolutions.in

Purpose Technology
Find Your Purpose

Aiswarya House, Republic Road, N. Paravur, Ernakulam-683513
Ph: +919947299050, 9645755742 E-mail: purposetechnology@gmail.com

12 August 2022

CERTIFICATE

This is to certify that **Ms. Navya Wilson (Reg.SHAUMCS004)**,student of Msc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic **'Credit Card Fraud Detection: A Comparative Study Of Random Forest And CNN'** held at **Purpose Technology LLP** from **April 2022 to August 2022.**

As per our measurement, the candidate was excellent during the training period.

PURPOSE TECHNOLOGY LLP * N. PARAVUR * PIN-683 513

HARISHANKAR K NAIR
MANAGER

IMPULSE TECHNO SOLUTIONS

12 August 2022

CERTIFICATE

This is to certify that **Ms.Righa Babu (Reg.SHAUMCS006)**,student of Msc.Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic **'Vein Biometric Recognization On Smart Phone'** held at **Impulse Techno Solutions** From **April 2022 to August 2022.**

As per our measurement, the candidate was excellent during the training period.

RIJO

MANAGER

IMPULSE TECHNO SOLUTIONS COCHIN

IMPULSE TECHNO SOLUTIONS
Amman Kovil Road, North Paravur, Ernakulam
URL: www.impulsetechnosolutions.in | Email: info@impulsetechnosolutions.in

IMPULSE TECHNO SOLUTIONS

12 August 2022

CERTIFICATE

This is to certify that **Ms. Ruksana K S (Reg.SHAUMCS007)**,student of Msc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic **'Tunnel Crack Detection Using Machine Learning'** held at **Impulse Techno Solutions** From **April 2022 to August 2022.**

As per our measurement, the candidate was excellent during the training period.

RIJO

MANAGER

IMPULSE TECHNO SOLUTIONS COCHIN

IMPULSE TECHNO SOLUTIONS
Amman Kovil Road, North Paravur, Ernakulam
URL: www.impulsetechnosolutions.in Email: info@impulsetechnosolutions.in

IMPULSE TECHNO SOLUTIONS

12 August 2022

CERTIFICATE

This is to certify that **Ms. Vincy Joy (Reg.SHAUMCS008)**,student of Msc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic **'Traffic Sign Recognizer Using CNN and VGG Network Model'** held at Impulse Techno Solutions From **April 2022 to August 2022.**

As per our measurement, the candidate was excellent during the training period.

RIJO

MANAGER

IMPULSE TECHNO SOLUTIONS COCHIN

IMPULSE TECHNO SOLUTIONS
Amman Kovil Road. North Paravur. Ernakulam
URL: www.impulsetechnosolutions.in | Email: info@impulsetechnosolutions.in

"A STUDY ON FACTORS AFFECTING CUSTOMER INVESTMENT DECISION TOWARDS LIFE INSURANCE POLICIES WITH SPECIAL REFERENCE TO ALOOR GRAMAPANCHAYATH"

Project Report

submitted to University of Calicut in partial fulfillment of therequirement

for the award of degree of

MASTER OF COMMERCE

by

ALEENA SHAJU

REG. NO.SHAUMCM001

Under the Supervision of

Ms. SRUTHY P.K.

Project guide



POST GRADUATE DEPARTMENT OF COMMERCE

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2020-2022

A STUDY ON WOMEN EMPOWERMENT THROUGH KUDUMBASHREE WITH SPECIAL REFERENCE TO 35TH WARD OF CHALAKUDY MUNICIPALITY

Project Report Submitted to

UNIVERSITY OF CALICUT

In partial fulfillment of the requirements for the award of the degree of

MASTERS OF COMMERCE AND

MANAGEMENT STUDIES

By

ANAGHA K.B

(Reg. No:SHAUMCM002)

Under the supervision of

MS. SHINU JOY



POST GRADUATE DEPARTMENT OF COMMERCE

AND MANAGEMENT STUDIES

SACERD HEART COLLEGE, CHALAKUDY

Verified by

16/8/22

UNIVERSITY OF CALICUT

2021 - 2022

"A STUDY ON STUDENTS' SATISFACTION TOWARDS VIRTUAL LEARNING EXPERIENCE DURING THE COVID-19 PANDEMIC WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE, CHALAKUDY"

Project report submitted to

University of Calicut

In partial fulfilment of the requirement for the award of the degree of

MASTER OF COMMERCE

By

ANASWARA. K.P

(Reg. No: SHAUMCM003)

Under the supervision of

Ms. REVATHY M.S

POST GRADUATE DEPARTMNT OF COMMERCE & MANAGEMENT STUDIES SACRED HEART COLLEGE, CHALAKUDY UNIVERSITY OF CALICUT

2020-2022

"A STUDY ON THE INFLUENCE OF IN-FILM BRANDING ON BUYING BEHAVIOUR AMONG YOUTH (WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE CHALAKUDY)"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

ANEENA JOSE

(Reg No: SHAUMCM004)

Under the supervision

Ms.ANJU P A

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2020-2022

"A STUDY ON FINANCIAL LITERACY OF WOMEN WITH SPECIAL REFERENCE TO 1ST WARD OF CHALAKUDY MUNICIPALITY"

Project report submitted to

University of Calicut

In partial fulfilment of the requirement for the award of the degree of

MASTER OF COMMERCE

Submitted By

ANGEL THOMAS

(Reg. no: SHAUMCM005)

Under the supervision of

Ms. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

A STUDY ON INFLUENCE OF ADVERTISEMENT ON CONSUMPTION OF FAST MOVING CONSUMER GOODS

Project report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of the degree of

MASTERS OF COMMERCE

By

ANJANA ANTU

(Reg.No: SHAUMCM006)

Under the supervision of

Ms. FARSANA P.M



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY
UNIVERSITY OF CALICUT

2022

"A STUDY ON EFFECTIVENESS OF SOCIAL MEDIA MARKETING ADOPTION AMONG WOMEN ENTREPRENEURS IN THRISSUR DISTRICT"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

ANJANA T.R

(Reg No: SHAUMCM007)

Under the supervision

Ms. Divya Rajan

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

"A STUDY ON ROLE OF AKSHAYA CENTER PROVIDING E GOVERNANCE (WITH SPECIAL REFERENCE TO 11th WARD OF ALOOR GRAMA PANCHAYATH)"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

ASWATHY K.A

(Reg No: SHAUMCM008)

Under the supervision

Ms. NAYANA SREEDHARAN

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON EMPLOYEE'S PERCEPTION TOWARDS WORK FROM HOME IN IT SECTOR DURING COVID-19 SPECIAL REFERENCE TO THRISSUR DISTRICT

Project report submitted to

UNIVERSITY OF CALICUT

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

MASTER OF COMMERCE

By

BLESSY JAMES
(Reg. No: SHAUMCM010)

Under the supervision of

Ms. KEERTHANA T.U

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

PROJECT REPORT

"A STUDY ON INFLUENCE OF DIGITAL MARKETING ON BRAND BUILDING IN SMARTPHONES".

Project Report Submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE AND MANAGEMENT STUDIES

Submitted by

DEVIKA P R

(REGISTER NO: SHAUMCM011)

Under the Supervision of:

MS.SHINU JOY

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021 - 2022

"A STUDY ON SATISFACTION OF STUDENTS STUDYING ABROAD FROM KERALA"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

GEETHU K. B.

(Reg. No: SHAUMCM012)

Under the supervision

Ms. REVATHY M.S

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2020-2022

A STUDY ON ATTITUDE OF PEOPLE TOWARDS GREEN PRODUCTS

(WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY)

Project Report Submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree of

MASTERS OF COMMERCE

By

GREESHMA M.S

(Reg No. SHAUMCM013)

Under the supervision of

Ms. ANJU P.A

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON ADOPTION BEHAVIOUR OF MICRO ATM IN KOZHIKODE MUNCIPALITY"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for award of degree of

MASTER OF COMMERCE

Submitted by

HAIL SAJU

(Reg No: SHAUMCM014)

Under the supervision

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE

AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2020-2022

"A STUDY ON IMPACT OF COVID-19 ON DIGITAL PAYMENT WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY"

Submitted to

University of Calicut

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

Master of Commerce

Submitted by

LAVANYA P. S

(REGISTERNO: SHAUMCM015)

Under the supervision of

Ms.FarsanaP M

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

A STUDY ON INVESTORS SATISFACTION TOWARDS MUTUAL FUND SCHEME WITH SPECIAL REFERENCE TO OTTAPPALAM TALUK

PROJECT REPORT

Submitted to the

SACRED HEART COLLEGE, CHALAKUDY

Affiliated to University of Calicut

In partial fulfilment of the requirement for the award of

DEGREE OF MASTER OF COMMERCE

By

MALINI. K. R

IV Semester, M.com

Reg Number: SHAUMCM016

Under the guidance of

Ms. DIVYA RAJAN

PG DEPARTMENT OF COMMERCE

SACRED HEART COLLEGE CHALAKUDY

31-March - 2022

"A STUDY ON THE IMPACT OF CELEBRITY ENDORSEMENT ON THE BUYING BEHAVIOUR TOWARDS PERSONAL CARE PRODUCTS IN CHALAKUDY MUNICIPALITY"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

MARTEENA MARTIN

(Reg No: SHAUMCM017)

Under the supervision

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2020-2022

17/8/22

PROJECT REPORT

"A STUDY ON EMPLOYEE SATISFACTION IN PRIVATE HOSPITAL" (WITH REFERENCE THRISSUR DISTRICT)

Project Report Submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE AND MANAGEMENT STUDIES

Submitted by

RESHMA LAZAR

(REGISTER NO: SHAUMCM018)

Under the Supervisor of:

MS. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

" EFFICIENCY OF EDUCATION LOAN: EMPLOYABILITY OF BORROWERS IS THE MOST IMPORTANT PREDICTOR"

Project report submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree of

MASTER OF COMMERCE

By

RUBEENA C A

(Reg. No : SHAUMCM019)

Under the supervision of

Ms. KEERTHANA T.U

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

"A STUDY ON WORK-LIFE BALANCE TOWARDS JOB COMMITMENTS OF EMPLOYEES WITH SPECIAL REFERENCE TO SELECTED IT COMPANIES"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

SALMA SAREESA S I

(Reg No: SHAUMCM020)

Under the supervision

Ms. SRUTHY TK

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

"A STUDY ON ONLINE SHOPPING BEHAVIOUR OF STUDENTS WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE CHALAKUDY"

Project Report Submitted to

University of Calicut

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

SILPA PEETHAMBARAN

(Reg. No: SHAUMCM021)

Under the supervision

Ms. REVATHY M.S

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2020-2022

PROJECT REPORT ON "A STUDY ON CUSTOMER AWARENESS AND PERCEPTION TOWARDS UNIFIED PAYMENT INTERFACE (UPI)" WITH THE SPECIAL REFERENCE TO CHLKKUDY MUNCIPALITY

Project Report Submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of degree of

MASTER OF COMMERCE

Submitted by

SUJATHA C

(REGISTER NO: SHAUMCM022)

Under the Supervision

Mrs. AGNA ANTO

POST GRADUATE DEPARTMENT OF COMMERCE

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021 – 2022

" EFFECT OF YOUTUBE ADVERTISEMENTS ON PURCHASE DECISION : AN AUDIENCE ANALYSIS WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY"

Project report submitted to

UNIVERSITY OF CALICUT

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

MASTER OF COMMERCE

By

SUSMITHA SUNDARAN

(Reg. No : SHAUMCM023)

Under the supervision of

Ms. KEERTHANA T.U

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

"A COMPARATIVE STUDY ON STRESS MANAGEMENT BETWEEN NURSES OF PRIVATE HOSPITAL AND GOVERNMENT HOSPITAL"

Project Report Submitted to UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of degree of

MASTERS OF COMMERCE

Submitted by

VIBINA SAVY

(REGISTER NO: SHAUMCM024)

Under the Supervisor of:

Ms SRUTHY P.K

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021 - 2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"RIESZ SPACES"** submitted by **Ms. Alinta S Vithayathil** (Reg. No. SHAUMMS001) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Smitha Davis
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307

CERTIFICATE

This is to certify that the dissertation entitled **"FRECHET SPACE"** submitted by **Ms. Amrutha Paul** (Reg. No. SHAUMMS002) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ammu Mary George
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled "**MAGIC LABELING**" submitted by **Ms.AMRUTHA.V.C** (Reg. No. SHAUMMS003) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Smitha Davis
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled "**GRAPHS IN SWITCHING THEORY**" submitted by **Ms. ARDRA PRADEEP** (Reg. No. SHAUMMS004) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Vijitha Mukundan
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"Fuzzy Algebra"** submitted by **Ms. Aswathi K R** (Reg. No. SHAUMMS005) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Smitha Davis
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2020

DEPARTMENT OF MATHEMATICS
SACRED HEART COLLEGE, CHALAKUDY
THRISSUR - 680307

CERTIFICATE

This is to certify that the dissertation entitled **"REFLECTIONS AND COXETER GROUPS"** submitted by **Ms. CHRISTA VARGHESE KUNDUKULANGARA** (Reg. No. SHAUMMS006) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Nidhin T J
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"Nets and Filters"** submitted by **Ms. Christeena Devassykutty** (Reg. No. SHAUMMS007) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Vijitha Mukundan
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"PELL'S EQUATION"** submitted by **Ms. Ciya C Y** (Reg. No. SHAUMMS008) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Amala Mary George
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS
SACRED HEART COLLEGE, CHALAKUDY
THRISSUR - 680307

CERTIFICATE

This is to certify that the dissertation entitled **"AN INTRODUCTION TO CATEGORY THEORY"** submitted by **Ms. Jeena Shaju** (Reg. No. SHAUMMS009) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Smitha Davis
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307

CERTIFICATE

This is to certify that the dissertation entitled **"FLUID DYNAMICS"** submitted by **Ms. Lidhlyn Lourence** (Reg. No SHAUMMS010) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bona fide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

Dr. Jayakumar P
External.

Dr. Sathish Mk
External Examiner
Asst. Professor
Dept. of Mathematics
P.G. Govt. College
Chalakudy

Chalakudy
27/06/2022

Dr. Vijitha Mukundan
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled '**STUDY ON DUAL SPACES, BILINEAR FORMS AND TENSOR PRODUCTS**' submitted by **Ms. Mable T Monachan** (Reg. No. SHAUMMS011) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner	Dr. Nidhin T J	Ms. Smitha Davis
	(Supervising Guide)	(Head of the Department)
	Assistant Professor	Assistant Professor
	Sacred Heart College	Sacred Heart College
Chalakudy	Chalakudy	Chalakudy
27/06/2022		

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"DIFFERENTIATION OF OPERATORS"** submitted by **Ms. Neha Mohan M.K** (Reg. No. SHAUMMS012) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Amala Mary George
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"INTRODUCTION TO TOPOLOGICAL GROUPS"** submitted by Ms. **RAVEENA RATNAKARAN** (Reg. No. SHACMMS013) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Vijitha Mukundan
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"FRACTAL GEOMETRY AND IT'S APPLICATIONS"** submitted by **Ms. RIYA A R** (Reg. No. SHACMMS014) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms.Smitha Davis
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307

CERTIFICATE

This is to certify that the dissertation entitled **"A STUDY ON EIGENVALUES OF GRAPHS"** submitted by **Ms. ROSE C SAJU** (Reg. No. SHACMMS015) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Vijitha Mukundan
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"POWER MEAN GRAPH"** submitted by **Ms. Shany Varghese** (Reg. No. SHAUMMS016) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Nidhin T J
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307



CERTIFICATE

This is to certify that the dissertation entitled **"BILINEAR FORMS"** submitted by **Ms. SMIJI JACOB** (Reg. No. SHAUMMS017) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Nidhin T J
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

THRISSUR - 680307

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This is to certify that the dissertation entitled "**SIGNED GRAPH** " submitted by Ms. Sruthy E.B. (Reg. No. SHAUMM5018) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Amala Mary George
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS

SACRED HEART COLLEGE, CHALAKUDY

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This is to certify that the dissertation entitled **'INTRODUCTION TO PROBABILISTIC METRIC SPACES'** submitted by **Ms. STEPHY KURIAKOSE** (Reg. No. SHAUMMS019) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Ms. Amala Mary George
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

DEPARTMENT OF MATHEMATICS
SACRED HEART COLLEGE, CHALAKUDY
THRISSUR - 680307



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This is to certify that the dissertation entitled **"ALGEBRAIC TOPOLGY"** submitted by **Ms. Surya Ramakrisnan** (Reg. No. SHAUMMS020) in partial fulfillment of the requirements for the M.Sc. degree in Mathematics to University of Calicut, is a bonafide record of the studies carried out by her under my supervision in the Department of Mathematics, Sacred Heart College, Chalakudy. This report has not been submitted anywhere for any other degree of any other University or Board.

External Examiner

Dr. Nidhin T J
(Supervising Guide)
Assistant Professor
Sacred Heart College
Chalakudy

Ms. Smitha Davis
(Head of the Department)
Assistant Professor
Sacred Heart College
Chalakudy

Chalakudy
27/06/2022

1.3.2 – Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Under Graduate Programme Projects

REVIEW: BUTTERFLY POPULATION IN KERALA,INDIA

CERTIFICATE

This is to certify that the project entitled "BUTTERFLY POPULATION IN KERALA, INDIA" is the bonafide record of the work carried out by **KAVYA RAVINDRAN, MAYA.V.P., SHAMNA SHERIF, AMRUTHA.M.S, ARYA.M.B, CHANDANA.T.K, LIYA BABU, SANGEETHA.V.M, VANDHANA.T.V,** under my guidance and supervision in Sacred Heart College, Chalakudy and that no part thereof has been presented for any other degree.

Chalakudy

DR. V. NEETHA

Teacher in charge

SACRED HEART COLLEGE
ZOOLOGY DEPT
CHALAKUDY

REVIEW: BUTTERFLY POPULATION IN KERALA, INDIA

SUBMITTED TO

SACRED HEART COLLEGE CHALAKUDY
AFFILIATED TO THE UNIVERSITY OF CALICUT
BACHELOR OF SCIENCE IN ZOOLOGY

EXAMINER 1:

EXAMINER 2:

NAME	REGISTER NO.
KAVYA RAVINDRAN	SHATSZO002
MAYA.V.P.	SHATSZO004
SHAMNA SHERIF	SHATSZO007
AMRUTHA.M.S.	SHATSZO010
ARYA.M.B.	SHATSZO012
CHANDANA.T.K.	SHATSZO014
LIYA BABU	SHATSZO018
SANGEETHA.V.M.	SHATSZO023
VANDHANA.T.V.	SHATSZO026

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REVIEW - STATUS OF WATER POLLUTION IN THE RIVERS OF KERALA, INDIA

CERTIFICATE

This is to certify that the project entitled **"REVIEW: STATUS OF WATER POLLUTION IN THE RIVERS OF KERALA, INDIA"** is the bonafide record of the work carried out by **DONA MARY, REENA JOSE, RIYA T.L, ANUPRIYA P.S, JUHI JOSE, NANDANA A.S, ADITHYA P.R, SUBITHA P.S** under my guidance and supervision in Sacred Heart College, Chalakudy and that no part thereof has been presented for any other degree.

V. Neetha.

Chalakudy

DR. V. NEETHA

Teacher in charge

SACRED HEART COLLEGE
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REVIEW: STATUS OF WATER POLLUTION IN THE RIVERS OF KERALA, INDIA

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SACRED HEART COLLEGE CHALAKUDY

AFFILIATED TO THE UNIVERSITY OF CALICUT

BACHELOR OF SCIENCE IN ZOOLOGY

EXAMINER 1:

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NAME	REGISTER NO.
DONA MARY	SHATSZO015
REENA JOSE	SHATSZO005
RIYA T.L	SHATSZO006
ANUPRIYA P.S	SHATSZO001
JUHI JOSE	SHATSZO016
NANDANA A.S	SHATSZO019
ADITHYA P.R	SHATSZO009
SUBITHA P.S	SHATSZO024

2019-2022

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REVIEW: FISH TOXICITY STUDIES IN KERALA,

CERTIFICATE

This is to certify that the project entitled "FISH TOXICITY STUDIES IN KERALA , INDIA" is the bonafide record of the work carried out by **ROSNA RAJEESH , LAKSHMIPRIYA .T.A , SUSNA FATHIMA .P.H , ANJALI .A.S , ATHIRA .C.S , KRISNAPRIYA .V.R , N.B SHREYA NUPURA , ROSMY THOMAS , SURYA SURESH** under my guidance and supervision in Sacred Heart College, Chalakudy and that no part thereof has been presented for any other degree.

Chalakudy

DR. V. NEETHA

Teacher in charge



REVIEW: FISH TOXICITY STUDIES IN KERALA

SUBMITTED TO

SACRED HEART COLLEGE CHALAKUDY

AFFILIATED TO THE UNIVERSITY OF CALICUT

BACHELOR OF SCIENCE IN ZOOLOGY

EXAMINER 1:

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NAME	REGISTER NO.
ROSNA RAJEESH	SHATSZO022
LAKSHMIPRIYA .T.A	SHATSZO003
SUSNA FATHIMA .P.H	SHATSZO008
ANJALI .A.S	SHATSZO011
ATHIRA .C.S	SHATSZO013
KRISHNAPRIYA .V.R	SHATSZO017
N.B SHREYA NUPURA	SHATSZO020
ROSMY THOMAS	SHATSZO021
SURYA SURESH	SHATSZO025

2021-2022

SACRED HEART COLLEGE ZOOLOGY DEPT CHALAKUDY

REVIEW: BUTTERFLY POPULATION IN KERALA,INDIA

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Chalakudy

DR. V. NEETHA

Teacher in charge

SACRED HEART COLLEGE
ZOOLOGY DEPT
CHALAKUDY

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LIYA BABU	SHATSZO018
SANGEETHA.V.M.	SHATSZO023
VANDHANA.T.V.	SHATSZO026

2021-2022

SACRED HEART COLLEGE
ZOOLOGY DEPT

REVIEW - STATUS OF WATER POLLUTION IN THE RIVERS OF KERALA, INDIA

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V. Neetha.

Chalakudy

DR. V. NEETHA

Teacher in charge

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2019-2022

SACRED HEART COLLEGE ZOOLOGY DEPT

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DR. V. NEETHA

Teacher in charge



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ROSMY THOMAS	SHATSZO021
SURYA SURESH	SHATSZO025

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This is to certify that the project report "**DEVELOPMENT OF** ADOLESCENT GIRLS THROUGH ICDS: A CASE STUDY OF **THRISSUR DISTRICT** is a bonafide work done by MS ARUNDHATHI KV (SHASAECR03) under my supervision and guidance during 2021 in partial fulfillment of requirement for the award of Under Graduate Degree in Economics.

Supervision Teacher

Dr Chacko Jose P

Place:

Date:

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This is to certify that the project report "**DEVELOPMENT OF ADOLESCENT GIRLS THROUGH ICDS: A CASE STUDY OF THRISSUR DISTRICT** is a bonafide work done by MS JANET JOY (SHASAECR05) under my supervision and guidance during 2021 in partial fulfillment of requirement for the award of Under Graduate Degree in Economics.



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Dr Chacko Jose P

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Supervision Teacher

Dr Chacko Jose P

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This is to certify that the project report "**DEVELOPMENT OF** ADOLESCENT GIRLS THROUGH ICDS: A CASE STUDY OF **THRISSUR DISTRICT** is a bonafide work done by MS LAKSHMIPRIYA VS (SHASAECR07) under my supervision and guidance during 2021 in partial fulfillment of requirement for the award of Under Graduate Degree in Economics.

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Dr Chacko Jose P

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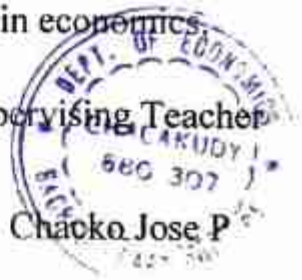
This is to certify that project report **"IMPACT OF COVID 19 ON WOMEN WORK AND LIFE"** is a bonafide work done by Ms LAKSHMI UNNIKRISHNAN (SHASAECR08) under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of Graduate degree in economics.



Supervising Teacher

Dr. Chacko Jose P

Place: Chalakudy
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This is to certify that project report **"IMPACT OF COVID 19 ON WOMEN WORK AND LIFE"** is a bonafide work done by Ms SHIVASANKARI K K(SHASAECR10) under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of Graduate degree in economics.



Supervising Teacher

Dr. Chacko Jose P

Place: Chalakudy
Date:

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This is to certify that project report **"IMPACT OF COVID 19 ON WOMEN WORK AND LIFE"** is a bonafide work done by Ms AISWARYA DAS(SHASAECR11) under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of Graduate degree in economics.

Supervising Teacher

Dr. Chacko Jose P

Place: Chalakudy
Date:

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Supervising Teacher

Dr. Chacko Jose P

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This is to certify that the project report "A CASE STUDY ABOUT THE IMPAC OF COVID19 IN EDUCATION SYSTEM "is a bona fide work by Miss.Anuja C.D (SHASAECR13) under my supervision and guidance during 2013 in partial fulfillment of the requirements for under graduate degree in economics.



Place:

Date:

supervising faculty

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This is to certify that the project report "A CASE STUDY ABOUT THE IMPACT OF COVID19 IN EDUCATION SYSTEM "is a bona fide work by Miss.Anupama Bharathan (SHASAECR14) under my supervision and guidance during 2013 in partial fulfillment of the requirements for under graduate degree in economics.

Place:

Date:

supervising Faculty

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Place:

Date:

supervising Faculty

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Place:

Date:

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Place: Chalakudy

Date: 13/7/2021

supervising teacher:

Dr.Shirley K.K

Associate Professor

Sacred Heart College

Chalakudy

CERTIFICATE

This is to certify that the project report "SOCIAL IMPACT OF LOCKDOWN IN HOUSEHOLDS OF CHALAKUDY MUNCIPALITY is a bona-fide work done by Ms. Geeshma Raju (SHASAECR18) under my supervision and guidance during 2021 in partial as partial fulfillment of the requirement for the award of under graduate degree in Bachelor of Arts, Economics.

Place: Chalakudy

Date: 13/7/2021

supervising teacher

Dr.Shirley Jose K

Associate Professor

Sacred Heart College

Chalakudy

CERTIFICATE

This is to certify that the project report 'SOCIAL IMPACT OF LOCKDOWN IN HOUSEHOLDS OF CHALAKUDY MUNCIPALITY is a bona-fide work done by Ms. Jesna Jaison(SHASAECR19) under my supervision and guidance during 2021 in partial as partial fulfillment of the requirement for the award of under graduate degree in Bachelor of Arts. Economics.

Place: Chalakudy

Date: 13/7/2021

supervising teacher:

Dr. Shirley Jose K

Associate Professor

Sacred Heart College

Chalak

CERTIFICATE

This is to certify that the project report 'SOCIAL IMPACT OF LOCKDOWN IN HOUSEHOLDS OF CHALAKUDY MUNCIPALITY is a bona-fide work done by Ms. Krishnageethy N S(SHASAECR20) under my supervision and guidance during 2021 in partial as partial fulfillment of the requirement for the award of under graduate degree in Bachelor of Arts. Economics.

Place: Chalakudy

Date: 13/7/2021

supervising teacher

Dr.Shirley Jose K

Associate Professor

Sacred Heart College

Chalakudy

CERTIFICATE

This is to certify that the project report "A CASE STUDY ABOUT THE IMPA OF COVID19 IN EDUCATION SYSTEM "is a bona fide work by Miss.Lakshmi Manoj(SHASAECR21) under my supervision and guidance during 2013 in partial fulfillment of the requirements for under graduate degree in economics.



Place:

Date:

supervising Faculty

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This is to certify that the project report 'SOCIAL IMPACT OF LOCKDOWN IN HOUSEHOLDS OF CHALAKUDY MUNCIPALITY is a bona-fide work done by Ms. Mariya M V(SHASAECR22) under my supervision and guidance during 2021 in partial as partial fulfillment of the requirement for the award of under graduate degree in Bachelor of Arts. Economics.

Place: Chalakudy

Date: 13/7/2021

supervising teacher:

Dr.Shirley Jose K

Associate Professor

Sacred Heart College

Chalakudy

CERTIFICATE

This to certify that the project **"Impact of COVID-19on daily-wage earners of kodakara Panchayat"** is a bona fide work done by Ms.MAYA NARAYANAN(SHASAECR23)under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of under graduate degree in economics.

SUPERVISING TEACHER

NIJIL JACOBI

PLACE: Chalakudy

DATE:

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This to certify that the project **"Impact of COVID-19on daily-wage earners of kodakara Panchayat"** is a bona fide work done by Ms. Rajalakshmi V S under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of under graduate degree in economics.



SUPERVISING TEACHER

PLACE: Chalakudy

DATE:

CERTIFICATE

; TO CERTIFY A REPORT ENTITLED **"A STUDY ABOUT THE ASSESSMENT E EFFECT OF COVID-19 ON CONSUMPTION BEHAVIOR"** OF REVATHY A BONA FIDE WORK SUBMITTED TO **THE UNIVERSITY OF CALICUT** IN AL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF **ACHELOR OF ARTS PROGRAM IN ECONOMICS** DURING 2018-2021 FROM ED HEART COLLEGE, CHALAKUDY UNDER THE SUPERVISION AND DANCE OF NIJIL JACOBI.



SUPERVISING TEACHER

NIJIL JACOBI

PLACE: CHALAKUDY

DATE: 13-07-2021

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This to certify that the project **"Impact of COVID-19 on daily-wage earners of Kodakara Panchayat"** is a bona fide work done by MS SANDRA KS(SHASAICR26)under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of under graduate degree in economics.

SUPERVISING TEACHER

NIJIL JACOBI

PLACE: Chalakudy

DATE:

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SUPERVISING TEACHER

NIJIL JACOBI

PLACE: CHALAKUDY

DATE: 13-07-2021

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SUPERVISING TEACHER

NIJIL JACOBI

PLACE: CHALAKUDY

DATE: 13-07-2021

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This to certify that the project **"Impact of COVID-19 on daily-wage earners of Kodakara Panchayat"** is a bona fide work done by Ms.SREEMOL BABURAJ (SHASAECR29)under my supervision and guidance during 2021 in partial fulfilment of the requirement for the award of under graduate degree in economics.

SUPERVISING TEACHER

NIJIL JACOBI

PLACE: Chalakudy

DATE:

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THIS IS TO CERTIFY A REPORT ENTITLED **"A STUDY ABOUT THE ASSESSMENT OF THE EFFECT OF COVID-19 ON CONSUMPTION BEHAVIOR"** OF S VARSHA VASU IS A BONA FIDE WORK SUBMITTED TO **THE UNIVERSITY OF CALICUT** IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF THE **BACHELOR OF ARTS PROGRAM IN ECONOMICS** DURING 2018-2021 FROM **SACRED HEART COLLEGE, CHALAKUDY** UNDER THE SUPERVISION AND GUIDANCE OF NIJIL JACOBI.



SUPERVISING TEACHER

NIJIL JACOBI

PLACE: CHALAKUDY

DATE: 13-07-2021

CERTIFICATE

his is to certify that the project report ***"POSSIBILITIES AND PROBLEMS OF 'OMEN ENTREPRENEURS IN ALAGAPPANAGAR GRAMA PANCHAYATH"*** *is a ɔonafide work carried out by ALEENA REEPHEL* ***(Reg.No:SHATAECR01)*** *under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics.*

Supervising Teacher

Dr.Shirley Jose K

Head of the department of economics
Sacred Heart College, Chalakudy

Place:Chalakudy

Date:

CERTIFICATE

This is to certify that the project report ***"POSSIBILITIES AND PROBLEMS OF WOMEN ENTREPRENEURS IN ALAGAPPANAGAR GRAMA PANCHAYATH"*** *is a bonafide work carried out by AMRITHA S MUKUNDAN* ***(Reg.No:SHATAECR02)*** *under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics.*

Supervising Teacher

Dr.Shirley Jose K

Head of the department of economics
Sacred Heart College, Chalakudy



Place:Chalakudy

Date:

CERTIFICATE

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Supervising Teacher

Dr.Shirley Jose K

Head of the department of economics
Sacred Heart College, Chalakudy

DEPT. OF ECONOMICS
CHALAKUDY
680 307
COLLEGE

Place:Chalakudy

Date:

CERTIFICATE

This is to certify that the project report ***"POSSIBILITIES AND PROBLEMS OF WOMEN ENTREPRENEURS IN ALAGAPPANAGAR GRAMA PANCHAYATH"*** *is a bonafide work carried out by ATHIRA C D* ***(Reg.No:SHATAECR05)*** *under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics.*

Supervising Teacher

Dr.Shirley Jose K

Head of the department of economics
Sacred Heart College, Chalakudy

Place:Chalakudy

Date:

CERTIFICATE

This is to certify that the project report ***"POSSIBILITIES AND PROBLEMS OF WOMEN ENTREPRENEURS IN ALAGAPPANAGAR GRAMA PANCHAYATH"*** *is a bonafide work carried out by GOURI KRISHNA* ***(Reg.No:SHATAECR06)*** *under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics.*

Supervising Teacher

Dr.Shirley Jose K

Head of the department of economics
Sacred Heart College, Chalakudy



Place:Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"A Study On Higher Education Trends In Chalakudy Municipality"** is a bonafide work done by Ms. LAKSHMI K V (SHATAECR07) under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of graduate degree in economics.



Supervising Teacher

Ms. Vishnupriya K G

Place : Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"A Study On Higher Education Trends In Chalakudy Municipality"** is a bonafide work done by Ms. SILPA BABU (SHATAECR09) under my supervision and guidance during 2022 in partia' fulfilment of the requirements for the award of graduate degree in economics.



Supervising Teacher
Ms. Vishnupriya K G

Place : Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"A Study On Higher Education Trends In Chalakudy Municipality"** is a bonafide work done by Ms. ADITHYA P M (SHATAECR10) under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of graduate degree in economics.

Supervising Teacher
Ms. Vishnupriya K G

Place : Chala.

Date:

CERTIFICATE

This is to certify that the project report **"A Study On Higher Education Trends In Chalakudy Municipality"** is a bonafide work done by Ms. ADITHYA T G (SHATAECR11) under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of graduate degree in economics.



Supervising Teacher

Ms. Vishnupriya K G

Place : Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"KUDUMBASHREE DURING COVID-19 ANDEMIC: A CASE STUDY OF VARANDARAPILLY GRAMA 'ANCHAYAT AND CHALAKUDY MUNICIPALITY"** is a bonafide work done by **Ms. AISWARYA BABU (SHATAECR12)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate degree in Economics.



Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"KUDUMBASHREE DURING COVID-19 PANDEMIC: A CASE STUDY OF VARANDARAPILLY GRAMA PANCHAYAT AND CHALAKUDY MUNICIPALITY"** is a bonafide work done by **Ms. AKHILA SUBI (SHATAECR13)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate degree in Economics.



Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"KUDUMBASHREE DURING COVID-19 PANDEMIC: A CASE STUDY OF VARANDARAPILLY GRAMA PANCHAYAT AND CHALAKUDY MUNICIPALITY"** is a bonafide work done by **Ms. ALBI PAUL (SHATAECR14)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate degree in Economics.



Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"KUDUMBASHREE DURING COVID-19 PANDEMIC: A CASE STUDY OF VARANDARAPILLY GRAMA PANCHAYAT AND CHALAKUDY MUNICIPALITY"** is a bonafide work done by **Ms. ANET DAVIS (SHATAECR15)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate degree in Economics.

Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"KUDUMBASHREE DURING COVID-19 PANDEMIC: A CASE STUDY OF VARANDARAPILLY GRAMA PANCHAYAT AND CHALAKUDY MUNICIPALITY"** is a bonafide work done by **Ms. ANGEL ROSE K B (SHATAECR16)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate degree in Economics.



Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"AFTER EFFECT OF COVID-19 AT ADICHILTOTTI AREA IN ATHIRAPPILLY PANCHAYAT"** is a bonafide work one by **Ms. ANJANA K R (SHATAECR17)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate Degree in Economics.



Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"AFTER EFFECT OF COVID-19 AT ADICHILTOTTI AREA IN ATHIRAPPILLY PANCHAYAT"** is a bonafide work one by **Ms. ANJU M A (SHATAECR18)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate Degree in Economics.

Supervising Teacher

Mr. Nijil Jacobi



Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"AFTER EFFECT OF COVID-19 AT ADICHILTOTTI AREA IN ATHIRAPPILLY PANCHAYAT"** is a bonafide work one by **Ms. ANN MERIN N.J (SHATAECR19)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate Degree in Economics.



Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"AFTER EFFECT OF COVID-19 AT ADICHILTOTTI AREA IN ATHIRAPPILLY PANCHAYAT"** is a bonafide work one by **Ms. ANULAKSHMI M B (SHATAECR20)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate Degree in Economics.



Supervising Teacher

Mr. Niji Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is to certify that the project report **"AFTER EFFECT OF COVID-19 AT** ADICHILTOTTI **AREA IN ATHIRAPPILLY PANCHAYAT"** is a bonafide work one by **Ms. APARNA A K (SHATAECR21)** under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of Under Graduate Degree in Economics.

Supervising Teacher

Mr. Nijil Jacobi

Place: Chalakudy

Date:

CERTIFICATE

This is certify that the project report "A Study on Impact of COVID-19 in Chalakudy Market." is a bonafide work done by Ms. AVANI A S(SHATAECR22) Under my supervision and guidance Ms. ANJU P.B, during 2022 in partial fulfillment of the requirements for award of graduate degree in economics.

Project guide

ANJU P.B

Place:

Date:

CERTIFICATE

This is certify that the project report "A Study on Impact of COVID-19 in Chalakudy Market." is a bonafide work done by Ms. DELLA WILSON(SHATAECR23) Under my supervision and guidance Ms. ANJU P.B, during 2022 in partial fulfillment of the requirements for award of graduate degree in economics.

Project guide

ANJU P.B

Place:

Date:



CERTIFICATE

This is certify that the project report "A Study on Impact of COVID-19 in Chalakudy Market." is a bonafide work done by Ms. GANGA VIJAYAN(SHATAECR24) Under my supervision and guidance Ms. ANJU P.B, during 2022 in partial fulfillment of the requirements for award of graduate degree in economics.

Project guide

ANJU P.B

Place:

Date:



CERTIFICATE

This is certify that the project report "A Study on Impact of COVID-19 in Chalakudy Market." is a bonafide work done by Ms. GLORIYA T VARGHESE(SHATAECR25) Under my supervision and guidance Ms. ANJU P.B, during 2022 in partial fulfillment of the requirements for award of graduate degree in economics.

Project guide

ANJU P.B

Place:

Date:

CERTIFICATE

This is certify that the project report "A Study on Impact of COVID-19 in Chalakudy Market." is a bonafide work done by Ms. HINEESHMA. M(SHATAECR26) Under my supervision and guidance Ms. ANJU P.B, during 2022 in partial fulfillment of the requirements for award of graduate degree in economics.



Project guide

ANJU P.B

Place:

Date:

CERTIFICATE

This is to certify that project report "**A STUDY ON LABOUR WELFARE MEASURE IN CENTURE CONTAINORS IN KORATTY,CHALAKUDY** . "is a bonfire work done by **Ms Josna Jose (SHATAECR28)** under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics

Supervising Teacher

Ms. Anju P. B



CERTIFICATE

This is to certify that project report "**A STUDY ON LABOUR WELFARE MEASURE IN CENTURE CONTAINORS IN KORATTY,CHALAKUDY** . "is a bonfire work done by **Ms Josna K.J. (SHATAECR29)** under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics

Supervising Teacher

Ms. Anju P. B



CERTIFICATE

This is to certify that project report "**A STUDY ON LABOUR WELFARE MEASURE IN CENTURE CONTAINORS IN KORATTY,CHALAKUDY** . "is a bonfire work done by **Ms Jyothilakshmi P.S. (SHATAECR30)** under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics

Supervising Teacher

Ms. Anju P. B



CERTIFICATE

This is to certify that project report "**A STUDY ON LABOUR WELFARE MEASURE IN CENTURE CONTAINORS IN KORATTY,CHALAKUDY** "is a bonfire work done by **Ms Krishnapriya V Arumughan (SHATAECR31)** under my supervision and guidance during 2022 in partial fulfillment of the requirements for the award of graduate degree in economics

Supervising Teacher

Ms. Anju P. B

CERTIFICATE

This is to certify that the project report "A CASE STUDY OF WOMEN ENTREPRENEURSHIP IN CHALAKUDY MUNICIPALITY" is a bonafide work done by Ms. MARIYA SUNNY (SHATAECR33) Under my supervision and guidance Ms. Vishnu priya, during 2022 in partial fulfilment of the requirementsfor the award of graduate degree in economics



Project guide

Ms.Vishnupriya

Place : Chalakudy

Date: 4/05/2022

CERTIFICATE

This is to certify that the project report "A CASE STUDY OF WOMEN ENTREPRENEURSHIP IN CHALAKUDY MUNICIPALITY" is a bonafide work done by Ms. NAVYA V.V. (SHATAECR34) Under my supervision and guidance Ms. Vishnu priya, during 2022 in partial fulfilment of the requirementsfor the award of graduate degree in economics



Project guide

Ms.Vishnupriya

Place : chalakudy

Date: 4/05/2022

CERTIFICATE

This is to certify that the project report "A CASE STUDY ABOUT ENTREPRENEURSHIP IN CHALAKUDY MUNICIPALITY" is a bonafide work done by Ms. RIYA JOY(SHATAECR35) Under my supervision and guidance Ms. Vishnu priya, during 2022 in partial fulfilment of the requirementsfor the award of graduate degree in economics



Project guide

Ms.Vishnupriya

Place : Chalakudy

Date: 4/05/2022

CERTIFICATE

This is to certify that the project report "A CASE STUDY ABOUT [illegible] PARTNERSHIP IN CHALAKUDY MUNICIPALITY" is a bonafide work done by [illegible] (CHALAK036) Under my supervision and guidance Ms. Vishnu priya, during 2022 in partial fulfilment of the requirementsfor the award of graduate degree in Economics.

DEPT. OF ECONOMICS
CHALAKUDY
680 307

Project guide

Ms.Vishnupriya

Place: chalakudy

Date: 9/05/2022

Certificate

This is to certify that the project report "Consumers Attitude Towards Online Shopping- A Case Study of Households in Koratty Grama Panchayat" is a bona fide work done by M.S . Rosemary Johnson (SHATAECR37) under my supervision and guidance during 2022 in partial fulfillment of requirement for the award of graduate degree in Economics.

Supervising teacher

Dr. Shirley Jose k



Place: Koratty

Date :

Certificate

This is to certify that the project report "Consumers Attitude Towards Online Shopping- A Case Study of Households in Koratty Grama Panchayat" is a bona fide work done by M.S . Sophy A.J (SHATAECR39) under my supervision and guidance during 2022 in partial fulfillment of requirement for the award of graduate degree in Economics.

Supervising teacher

Dr. Shirley Jose k

Place: Koratty

Date :



Certificate

This is to certify that the project report "Consumers Attitude Towards Online Shopping- A `ase Study of Households in Koratty Grama Panchayat" is a bona fide work done by M.S heras Babu (SHATAECR40) under my supervision and guidance during 2022 in partial lfillment of requirement for the award of graduate degree in Economics.

Supervising teacher

Dr. Shirley Jose k

Place: Koratty

Date :



Certificate

This is to certify that the project report "Consumers Attitude Towards Online Shopping- A Case Study of Households in Koratty Grama Panchayat" is a bona fide work done by M S Vismaya Jayan (SHATAECR41) under my supervision and guidance during 2022 in partial fulfillment of requirement for the award of graduate degree in Economics.

Supervising teacher

Dr. Shirley Jose k



Place: Koratty

Date

VISUALISATION OF ASTRONOMICAL IMAGES

Submitted to The Sacred Heart College for Women,
Thrissur - 680307 affiliated to University of Calicut in partial fulfillment of requirements for the award of the degree of
Bachelor of Science in Physics by

Ms. ASWATHI P
(SHATSPH003)

Under the guidance of

Dr. SATHYA NARAYANAN K

DEPARTMENT OF PHYSICS
THE COCHIN COLLEGE,COCHIN ERNAKULAM, Kerala,
INDIA - 682002

MAY - 2022

CERTIFICATE

This is to certify that this project entitled "VISUALISATION OF ASTRONOMICAL IMAGES " Sacred Heart College for Women,Chalakudy,Thrissur - 680307 affiliated to The University of Calicut in partial fulfillment of requirement for the award of degree of BACHELOR OF SCIENCE IN PHYSICS is a record of original work done by Ms Aswathi P(SHATSPH003) during the period of her collaboration with the department of physics at The Cochin College, Cochin-682002 under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or other similar titles to any candidate of any university.

SACRED HEART COLLEGE PG DEPT OF PHYSICS CHALAKUDY

Dr. Sathya Narayanan K
Assistant Professor
Department of Physics

Counter signed

Head of the department
Dr Nijo Varghese
Assistant Professor
Department of Physics

Submitted for viva-voice examination held on at 5th May 2022 at Sacred Heart College for Women,Chalakudy, Thrissur - 680307.

Name & Signature of examiners:

1.

2.

QUASI NORMAL MODES OF ELECTROMAGNETIC PERTURBATION AROUND BLACK HOLE

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

PHYSICS

Under the guidance of:

Dr. Nijo Varghese

Assistant professor of Department of Physics

Sacred Heart College, Chalakudy

By

ANITTA MATHEW, SOUMYA CHARLY, VINAYA T P,

GOURY S & SHILPA JOHNSON

Department of Physics

Sacred Heart College, Chalakudy

Thrissur, Kerala

2019-2022

CERTIFICATE

This is to certify that the project work entitled **"QUASINORMAL MODES OF ELECTROMAGNETIC PERTURBATION AROUND BLACK HOLE"** is bonafide work done by ..... under the guidance of **Dr Nijo Varghese** Department of Physics, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Physics.

Project Guide:

Dr. Nijo Varghese

Department of Physics

Sacred Heart College, Chalakudy

SACRED HEART COLLEGE PG DEPT OF PHYSICS CHALAKUDY

Examiners:

1.

2.

STUDY OF HERTZSPRUNG - RUSSELL DIAGRAM OF DIFFERENT STAR SYSTEMS

PROJECT REPORT
Submitted to the
UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE
IN
PHYSICS

Under the guidance of:

Ms. Fency K. F
Assistant professor
Department of Physics
Sacred Heart College, Chalakudy

By
ALVISHA I.A, AMRUTHA N.A., ARSHANA K.N.,
PARVATHY K.S., SONA BIJU

Department of Physics
Sacred Heart College, Chalakudy
Thrissur
Kerala
2021-2022

CERTIFICATE

This is to certify that the project work entitled **"STUDY OF HERTZSPRUNG - RUSSELL DIAGRAM OF DIFFERENT STAR SYSTEMS"** is bonafide work done by **ALVISHA I.A,AMRUTHA N.A.,ARSHANA K.N.,PARVATHY K.S.,SONA BIJU** under the guidance of **Ms. Fency K.F,** Department of Physics, Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Physics.

SACRED HEART COLLEGE PG DEPT OF PHYSICS CHALAKUDY

Project Guide:

Ms. Fency K.F
Department of Physics
Sacred Heart College, Chalakudy

Examiner:

CERTIFICATE

This is to certify that this project work entitled "HUBBLE DIAGRAM FROM SDSS DATA" of Sacred Heart College for Women, Thrissur-680307 affiliated to University of Calicut in partial fulfillment of requirement for the award of degree of BACHELOR OF SCIENCE IN PHYSICS is a record of original work done by SALMA JASMINE M.B during the period of her collaboration with the Department of Physics, Alphonsa College, Pala under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or other similar titles to any candidates of any university.

Supervisor

Dr. Minu Joy

Department of Physics

SACRED HEART COLLEGE PG DEPT OF PHYSICS CHALAKUDY

Counter signed

H O D
Department of physics
Sacred Heart College,
Chalakudy

Head of department

Submitted for viva-voce examination held on

at the Sacred Heart College for Women, Thrissur-680307

Name and signature of examiners:

1) FENCY. K.F

VISUALISATION OF ASTRONOMICAL IMAGES

Submitted to The Sacred Heart College for Women, Thrissur - 680307 affiliated to University of Calicut in partial fulfillment of requirements for the award of the degree of Bachelor of Science in Physics by

Ms. MADHAVI C
(SHATSPH010)



Under the guidance of

Dr. SATHYA NARAYANAN K

DEPARTMENT OF PHYSICS
THE COCHIN COLLEGE,COCHIN ERNAKULAM, Kerala,
INDIA - 682002
MAY - 2022

CERTIFICATE

This is to certify that this project entitled "VISUALISATION OF ASTRONOMICAL IMAGES " Sacred Heart College for Women,Chalakudy,Thrissur - 680307 affiliated to The University of Calicut in partial fulfillment of requirement for the award of degree of BACHELOR OF SCIENCE IN PHYSICS is a record of original work done by Ms Madhavi (SHATSPH010) during the period of her collaboration with the department of physics at The Cochin College, Cochin-682002 under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or other similar titles to any candidate of any university.



Dr. Sathya Narayanan K
Assistant Professor
Department of Physics

Counter signed

Head of the department
Dr Nijo Varghese
Assistant Professor
Department of Physics

Submitted for viva-voice examination held on at 5th May 2022 at Sacred Heart College for Women,Chalakudy, Thrissur - 680307.

Name & Signature of examiners:

1.

2.

CERTIFICATE

This is to certify that the project undertaken , a paper review on the project work entitled **"CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"**byLaina Lonappan and Krishnapillai Girish Kumar published on**SENSOR LETTERS Vol. 9, 1–5, 2011**, is bonafide work done by **Devika Chandran** under the guidance of **Dr. Laina A L**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Dr. Laina A L

Department of Chemistry
Sacred Heart College
Chalakudy

Chemistry S.H. College Chalakudy

Examiner:

Dr. Princy K G 4/5/22

PAPER REVIEW ON THE PROJECT CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"

byLaina Lonappan and Krishnapillai Girish Kumar

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. Laina A L

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

DEVIKA CHANDRAN

SHATSCH011

Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur

Kerala

2019-2022

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CERTIFICATE

This is to certify that the project undertaken , a paper review on the project work entitled **"CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"**by Laina Lonappan and Krishnapillai Girish Kumar published on**SENSOR LETTERS Vol. 9, 1–5, 2011**, is bonafide work done by **Darena Davis** under the guidance of **Dr. Laina A L**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Dr. Laina A L
Department of Chemistry
Sacred Heart College
Chalakudy

Examiner:

Dr. Princy K. G. 4/5/22

PAPER REVIEW ON THE PROJECT CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"

byLaina Lonappan and Krishnapillai Girish Kumar

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. Laina A L

Assistant professor of Department of Chemistry
Sacred Heart College, Chalakudy

By

DARENA DAVIS

SHATSCH009



Department of Chemistry
Sacred Heart College, Chalakudy
Thrissur
Kerala
2019-2022

CERTIFICATE

This is to certify that the project undertaken , a paper review on the project work entitled **"CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHIOCHLORIDE"** by Laina Lonappan and Krishnapillai Girish Kumar published on **SENSOR LETTERS Vol. 9, 1–5, 2011** , is bonafide work done by **Athira T.N** under the guidance of **Dr. Laina A L**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Dr. Laina A L

Department of Chemistry

Sacred Heart College

Chalakudy

Examiner:

Dr. Princy K. G. 4/5/22

PAPER REVIEW ON THE PROJECT CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"

by Laina Lonappan and Krishnapillai Girish Kumar

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. Laina A L

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

ATHIRA T.N

SHATSCH008



Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project undertaken , a paper review on the project work entitled **"CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"** by Laina Lonappan and Krishnapillai Girish Kumar published on **SENSOR LETTERS Vol. 9, 1–5, 2011** , is bonafide work done by **Aparna T.N** under the guidance of **Dr. Laina A L**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Dr. Laina A L

Department of Chemistry

Sacred Heart College

Chalakudy

Examiner:

Dr. Priya K. G. 4/5/22

PAPER REVIEW ON THE PROJECT CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"

by Laina Lonappan and Krishnapillai Girish Kumar

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. Laina A L

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

APARNA T.N.

SHATSCH007



Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project work on the review of the research paper entitled **EFFECT OF SURFACTANTS AND COATING METHODS ON THE ELECTRICAL AND OPTICAL PROPERTIES OF THIN CONDUCTIVE FILMS PREPARED WITH SINGLE-WALLED CARBON NANOTUBES** is bonafide work done by **Riya Royis** under the guidance of **Dr. Santhosh Paul**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science Chemistry.

Project Guide:

Dr. Santhosh Paul
Department of Chemistry
Sacred Heart College
Chalakudy

Examiner:

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A REVIEW OF THE RESEARCH PAPER ENTITLED

"EFFECT OF SURFACTANTS AND COATING METHODS ON THE ELECTRICAL AND OPTICAL PROPERTIES OF THIN CONDUCTIVE FILMS PREPARED WITH SINGLE-WALLED CARBON NANOTUBES"

PROJECT REPORT
Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE
IN
CHEMISTRY

Under the guidance of
Dr. SANTHOSH PAUL
Head of the Department of Chemistry
Sacred Heart College, Chalakudy

By
RIYA ROYIS
SHATSCH014

Department of Chemistry
Sacred Heart College, Chalakudy
Thrissur, Kerala
2019 22

Scanned with CamScanner

CERTIFICATE

This is to certify that the project work on the review of the research paper entitled **"POLYPYRROLE FUNCTIONALISED WITH FERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR"** is bonafide work done by **Ansa Joji** under the guidance of **Dr Santhosh Paul,** Department of Chemistry ,Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science Chemistry.

Project Guide:

Dr. Santhosh Paul
Department of Chemistry
Sacred Heart College
Chalakudy

Examiner:

A REVIEW OF THE RESEARCH PAPER ENTITLED

POLYPYRROLEFUNCTIONALISEDWITHFERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. SANTHOSH PAUL

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

ANSA JOJI

SHATSCH006

Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur, Kerala

2019-2022

CERTIFICATE

This is to certify that the project work on the review of the research paper entitled **EFFECT OF SURFACTANTS AND COATING METHODS ON THE ELECTRICAL AND OPTICAL PROPERTIES OF THIN CONDUCTIVE FILMS PREPARED WITH SINGLE-WALLED CARBON NANOTUBES** is bonafide work done by **Soniya Paulson** under the guidance of **Dr. Santhosh Paul**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science Chemistry.

Project Guide:

Dr. Santhosh Paul
Department of Chemistry
Sacred Heart College
Chalakudy

Chemistry S.H. College Chalakudy

Examiner:

Dr. Prinu K. G. 4/5/22.

A REVIEW OF THE RESEARCH PAPER ENTITLED

"EFFECT OF SURFACTANTS AND COATING METHODS ON THE ELECTRICAL AND OPTICAL PROPERTIES OF THIN CONDUCTIVE FILMS PREPARED WITH SINGLE-WALLED CARBON NANOTUBES"

PROJECT REPORT
Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE
IN
CHEMISTRY

Under the guidance of
Dr. SANTHOSH PAUL
Head of the Department of Chemistry
Sacred Heart College, Chalakudy

BY
SONIYA PAULSON
SHATSCH016

Department of Chemistry
Sacred Heart College, Chalakudy
Thrissur, Kerala
2019 22

CERTIFICATE

This is to certify that the project work on the review of the research paper entitled **"POLYPYRROLE FUNCTIONALISED WITH FERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR"** is bonafide work done by **Aiswarya A S** under the guidance of **Dr Santhosh Paul,** Department of Chemistry ,Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science Chemistry.

Project Guide:

Dr. Santhosh Paul
Department of Chemistry
Sacred Heart College
Chalakudy

Chemistry S.H. College Chalakudy

Examiner:

Dr. Princy K. G. 4/5/22

A REVIEW OF THE RESEARCH PAPER ENTITLED

POLYPYRROLEFUNCTIONALISEDWITHFERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR

PROJECT REPORT
Submitted to the
UNIVERSITY OF CALICUT
In partial fulfilment of the requirements for the award of the degree
BACHELOR OF SCIENCE
IN
CHEMISTRY

Under the guidance of:
Dr. SANTHOSH PAUL
Assistant professor of Department of Chemistry
Sacred Heart College, Chalakudy

By
AISWARYA A S
SHATSCH001

Department of Chemistry
Sacred Heart College, Chalakudy
Thrissur, Kerala
2019-2022

CERTIFICATE

This is to certify that the project work on the review of the research paper entitled **"POLYPYRROLE FUNCTIONALISED WITH FERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR"** is bonafide work done by **Anakha A S** under the guidance of **Dr Santhosh Paul,** Department of Chemistry ,Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science Chemistry.

Project Guide:

Dr. Santhosh Paul
Department of Chemistry
Sacred Heart College
Chalakudy

Examiner:

Dr. Princy K. C. 4/5/22

A REVIEW OF THE RESEARCH PAPER ENTITLED

POLYPYRROLEFUNCTIONALISEDWITHFERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. SANTHOSH PAUL

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

ANAKHA A S

SHATSCH003

Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur, Kerala

2019-2022

CERTIFICATE

This is to certify that the project work entitled **"POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION"**is bonafide work done by **Merin Elizabeth Chakkunny** under the guidance of **Mr. Santhosh Paul**,Department of Chemistry,Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Mr. Santhosh Paul
Chemistry Department
Sacred Heart College
Chalakudy

Examiner:

Dr. Princy K. G. 4/5/22.

POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Mr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College,Chalakudy

By

MERIN ELIZABETH CHAKKUNNY

SHATSCH020



Department of Chemistry

Sacred Heart College,Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project work on the review of the research paper entitled **"POLYPYRROLE FUNCTIONALISED WITH FERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR"** is bonafide work done by **Anjana A S** under the guidance of **Dr Santhosh Paul,** Department of Chemistry ,Sacred Heart College, Chalakudy during the academic year of 2021-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science Chemistry.

Project Guide:

Dr. Santhosh Paul

Department of

Sacred Heart C

Chalakudy

Examiner:

Chemistry

A REVIEW OF THE RESEARCH PAPER ENTITLED

POLYPYRROLEFUNCTIONALISEDWITHFERROCENYL DERIVATIVE AS A RAPID CARBONMONOXIDE SENSOR

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. SANTHOSH PAUL

Assistant professor of Department of Chemistry

Sacred Heart College,Chalakudy

By

ANJANA A S

SHATSCH005

Department of Chemistry

Sacred Heart College,Chalakudy

Thrissur, Kerala

2019-2022

CERTIFICATE

This is to certify that the project work entitled **"POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION"** is bonafide work done by **Anuja P A** under the guidance of **Mr. Santhosh Paul**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Chemistry S.H. College Chalakudy

Mr. Santhosh Paul
Chemistry Department
Sacred Heart College
Chalakudy

Examiner:

Dr. Princy K.G. 4/5/22.

POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Mr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College, Chalakudy

By

ANUJA P A

SHATSCH018



Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project undertaken , a paper review on the project work entitled **"CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"**byLaina Lonappan and Krishnapillai Girish Kumar published on**SENSOR LETTERS Vol. 9, 1–5, 2011,** is bonafide work done by Delna Thomas under the guidance of **Dr. Laina A L**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Dr. Laina A L

Department of Chemistry
Sacred Heart College
Chalakudy

Examiner:

Dr. Priyesh C. 4.5.22

PAPER REVIEW ON THE PROJECT CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"

byLaina Lonappan and Krishnapillai Girish Kumar

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. Laina A L

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

DELNA THOMAS

SHATSCH009



Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur

Kerala

2019-2022

PAPER REVIEW ON THE PROJECT CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"

byLaina Lonappan and Krishnapillai Girish Kumar

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Dr. Laina A L

Assistant professor of Department of Chemistry

Sacred Heart College, Chalakudy

By

DELNA THOMAS

SHATSCH009



Department of Chemistry

Sacred Heart College, Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project undertaken , a paper review on the project work entitled **"CARBON NANOTUBE BASED SENSOR FOR VOLTAMMETRIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE"**byLaina Lonappan and Krishnapillai Girish Kumar published on**SENSOR LETTERS Vol. 9, 1–5, 2011,** is bonafide work done by Delna Thomas under the guidance of **Dr. Laina A L**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Dr. Laina A L

Department of Chemistry
Sacred Heart College
Chalakudy

Examiner:

Dr. Priyesh C. 4.5.22

POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Mr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College,Chalakudy

By

ANNA JOSEPH

SHATSCH017



Department of Chemistry

Sacred Heart College,Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project work entitled **"POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION"**is bonafide work done by **Anna Joseph** under the guidance of **Mr. Santhosh Paul**,Department of Chemistry,Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Mr. Santhosh Paul

Chemistry Department

Sacred Heart College

Examiner:

Chalakudy

Dr. Princy K A P 4/5/22

Chemistry S.H. College Chalakudy

POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Mr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College,Chalakudy

By

MIDHUNA M

SHATSCH020

Department of Chemistry

Sacred Heart College,Chalakudy

Thrissur

Kerala

2019-2022

POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Mr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College,Chalakudy

By

MARIYA JOSE

SHATSCH018



Department of Chemistry

Sacred Heart College,Chalakudy

Thrissur

Kerala

2019-2022

POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION

PROJECT REPORT

Submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the award of the degree

BACHELOR OF SCIENCE

IN

CHEMISTRY

Under the guidance of:

Mr. Santhosh Paul

Head of Department of Chemistry

Sacred Heart College,Chalakudy

By

PHONCY PAUL

SHATSCH021



Department of Chemistry

Sacred Heart College,Chalakudy

Thrissur

Kerala

2019-2022

CERTIFICATE

This is to certify that the project work entitled **"POLYPYRROLE FUNCTIONALISED WITH FePc TSA FOR NO2 SENSOR APPLICATION"** is bonafide work done by Phancy Paul K. under the guidance of **Mr. Santhosh Paul**, Department of Chemistry, Sacred Heart College, Chalakudy during the academic year of 2019-2022 and submitted for partial fulfilment of requirement of award of Degree of Bachelor of Science in Chemistry.

Project Guide:

Mr. Santhosh Paul
Chemistry Department
Sacred Heart College
Chalakudy

Examiner:

MYSOREAN INVASION

A dissertation submitted to the UNIVERSITY OF CALICUT in partial fulfillment of the requirements for the award of B.A. Degree in History.

JEEVA JAYAN

(REG. No: SHATAHIR 20)

DEPARTMENT OF HISTORY

SECRED HEART COLLEGE

CHALAKUDY

2019 2022

DECLARATION

I, **JEEVA JAYAN** do hereby declare that this project work entitled " **MYSOREAN INVASION"** is a bonafied work carried out by me and that it has not formed the basis for the award of any degree, diploma or other title in any university.

JEEVA JAYAN

Reg. No: SHATAHIR 20

PLACE: Chalakudy,

Date: 30-03-2022

CERTIFICATE

I affirm that this dissertation Enfield History of Mysorean Invasion being submitted by **Jeeva Jayan** in partial fulfillment for award of the University of Calicut was carried out under my guidance.

Place: Chalakudy,

Date :

Mrs. Meenu Jacob

Department of History

Secred Heart College

Chalakudy

Mrs. Smina M.B.

Supervising Teacher

Department of History

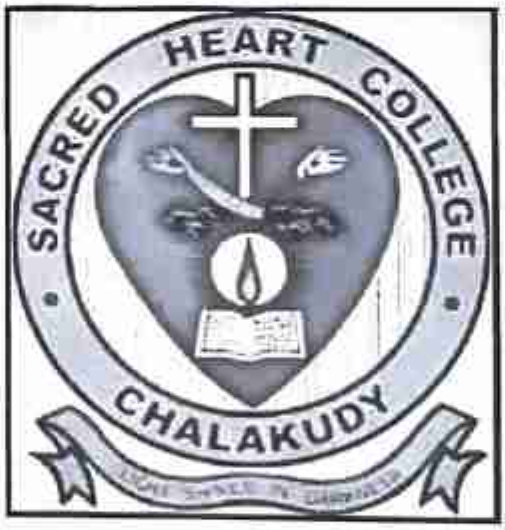
Secred Heart College, Chalakudy

HISTORY OF TINAI CONCEPT

Dissertation submitted to the UNIVERSITY OF CALICUT In partial fulfillment of the requirement for the Award of Degree of Bachelor of Arts in History.

HENNA MARIYA

(REG.NO:SHATAHIR19)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled the historical study of the TINAI CONCEPT is being submitted by HENNA MARIYA in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy

Date : 30/3/2022

M.S MEENU JACOB

Head of the department

Department of History

Sacred heart college

Chalakudy

SMINA M.B

Assistant Professor

Department of History

Sacred heart college

chalakudy

DECLARATION

I affirm that these dissertation entitled A Historical study of the TINAI CONCEPT is being submitted by HENNA MARIYA in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

Place : Chalakudy

Date : 30 / 3 / 2022



HENNA MARIYA

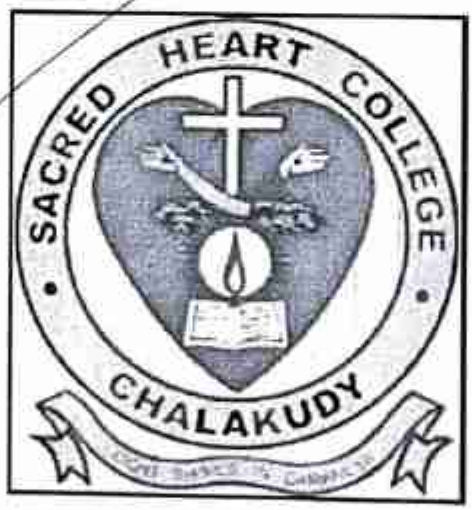
6th SEM BA. HISTORY

STUDY OF HISTORIOGRAPHY

Assignment submitted to the UNIVERSITY OF CALICUT
In partial fulfillment of the requirement for the Award of
Degree of Bachelor of Arts in History.

APARNA V.M.

(REG.NO: SHATAHIR01)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this assignment entitled the **"HISTORICAL STUDY OF THE HISTORIOGRAPHY"** is being submitted by **APARNA V.M.** in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy

Date : 30/3/2022

Ms. MEENU JACOB

Head of the department

Department of History

Sacred heart college

Chalakudy.

Ms. MEENU JACOB

Supervising

Department of History

Sacred heart college

Chalakudy.

DECLARATION

I affirm that these assignment entitled "**A HISTORICAL STUDY OF THE HISTORIOGRAPHY**" is being submitted by **APARNA V.M.** in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.



Place : Chalakudy

Date : 30 / 3 / 2022

APARNA V.M.

6th SEM BA. HISTORY

MESOPOTTEMIAN CIVILIZATION

A dissertation submitted to the UNIVERSITY OF CALICUT in fulfillment of the requirements for the award of Bachelor Degree of Arts in History

ALEENA. N J

[REG. NO – SHATAHIR08]

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE,CHALAKUDY

2019 - 2022

CERTIFICATE

I affirm that this dissertation entitled " **MESSOPOTAMIAN CIVILIZATION**" being submitted by **ALEENA. N J** in Partial Fulfillment for award of degree of bachelor of Arts (History) of the University Of Calicut Was Carried Out and my guidance.

Place : Chalakudy

Date : 30/3/2022

Ms. Meenu Jacob

Head Of The Department

Department Of History

Sacred Heart College
Chalakudy

Ms. Meenu Jacob

Supervising Teacher

Department Of History

Sacred Heart College
Chalakudy

DECLARATION

I affirm that these entitled " **MESOPOTTEMIAN CIVILIZATION**" being submitted by **ALEENA. N J** In partial fulfillment for the award of degree of Bachelor of Arts (History) of University of Calicut was carried out by me. This is my original work has not been presented before any university for award of any degree or diploma earlier.

Place : Chalakudy

Date : 30/3/2022

Aleena. N J

VIth Semester

BA History

DELHI SULTANATE

Assignment Submitted to the **UNIVERSITY OF CALICUT** in partial fulfilment of the requirement for the Award Of Bachelor Of Arts In History.

GEETHU KUNNATH

(REG. NO - SHATAHIR18)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that the Assignment entitled a historical study of the 'Delhi Sultanate' being submitted by MS. GEETHU KUNNATH N in partial fulfilment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place:Chalakudy
Date: 30 - 3 - 2022

MS. MEENU JACOB
Head Of The Department
Department of History
Sacred Heart College
Chalakudy.

MS.SMINA M.B
SupervisingTeacher
Assistant professor Of
Department Of History
Sacred Heart college
Chalakudy

DECLARATION

| Affirm that this Assignment entitled 'DELHI SULTANATE' Submitted by MS. GEETHU KUNNAT in Partial fulfilment for the award of degree of bachelor of arts (History) of the university of calicut was by entirely carried out by me . This is my original works not been present before any university for the award of degree or diploma earlier.

Place:-Chalakudy.

Date:- 30 - 3 - 2022

GEETHU KUNNATH

6th SEM BA. HISTORY

LOCAL HISTORY OF ANGAMALY

Dissertation submitted to the University of Calicut in partial fulfillment of the requirement for the award of Degree of Bachelor of Arts in History.

MELVI THOMAS

Reg. No. SHATAHIR23

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE

CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled **"LOCAL HISTORY OF ANGAMALY"** being submitted by Melvi Thomas in partial fulfillment for the award of degree of bachelor of Arts (History) of the University of Calicut was carried out under my guidance.

Place: Chalakudy
Date: 30-3-2022

Miss Meenu Jacob
Head of the Department
Department of History
Sacred Heart College
Chalakudy

Miss Smina M B
Supervising Teacher
Department of History
Sacred Heart College
Chalakudy

DECLARATION

I affirm that this dissertation entitled **"LOCAL HISTORY OF ANGAMALY"** being submitted by MELVI THOMAS in partial fulfillment for the award of degree of Bachelor of Arts (History) of the University of Calicut was entirely carried out by me. This is my original work has not been presented before any University for the award of degree or Diploma earlier.

Place: Chalakudy
Date: 30-3-2022

MELVI THOMAS
VIth Sem B A History

RISE OF MAGADHA

Assignment Submitted to the **UNIVERSITY OF CALICUT** in partial fulfilment of the requirement for the Award Of Bachelor Of Arts In History.

SMRITHY SANTHOSH
(REG. NO - SHATAHIR33)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that Assignment entitled a historical study of the 'RISE OF MAGADHA' being submitted by MS. SMRITHY SANTHOSH partial fulfilment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place:Chalakudy
Date: 30/3/2022

MS. MEENU JACOB
Head Of The Department
Department of History
Sacred Heart College
Chalakudy.

MR. LIBIN FRANCIS
SupervisingTeacher
Assistant professor Of
Department Of History
Sacred Heart college
Chalakudy

DECLARATION

I Affirm that this Assignment entitled 'RISE OF MAGADHA' Submitted by MS. SMRITHY SANTHOSH in Partial fulfilment for the award of degree of bachelor of arts (History) of the university of calicut was by entirely carried out by me . This is my original works not been present before any university for the award of degree or diploma earlier.

SMRITHY SANTHOSH

6th SEM BA. HISTORY

Place:-Chalakudy.

Date:- 30/3/2022

AŚOKA'S POLICY OF DHAMMA

A dissertation submitted to the UNIVERSITY OF CALICUT in partial fulfilment of the requirements for the award of degree of Bachelor of Arts in History

SUJITHA RAJ

(Reg.No.SHATAHIR06)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE,

CHALAKUDY

CERTIFICATE

This is to certify that the work contained in the dissertation entitled "AŚOKA'S POLICY OF DHAMMA", submitted by SUJITHA RAJ (Reg. No. SHATAHIR06) for the award of the degree of Bachelor of Arts in History to the university of calicut is a record of bonafide research work carried out under my direct supervision and guidance.

Place:Chalakudy

Date: 30 - 3 - 2022

Ms.Meenu Jacob

Supervising

Head of the Department

Department of History

Sacred Heart College

Chalakudy

DECLARATION

I,SUJITHA RAJ,hereby declare that this dissertation entitled "AŚOKA'S POLICY OF DHAMMA" in partial fulfilment for the award of Degree of Bachelors Arts (History) was carried out by me.This is my original work and has not been presented before any university for the award of any degree, diploma or other title in any university.

Place: Chalakudy

Date: 30 - 3 - 2022

SUJITHA RAJ

VIth SEMESTER

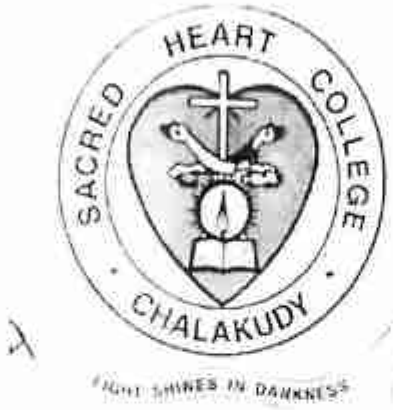
B A HISTORY

"GANDHIAN PROGRAMME'S "

A dissertation submitted to the UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award

Of degree bachelor of arts in history.



SREEKUTTY V.R

(REGISTER NO: SHATAHIR35)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE, CHALAKUDY

2019-2022



CERTIFICATE

I affirm that this dissertation entitled "GANDHIAN PROGRAMME'S" is being submitted by SREEKUTTY V. R in partial fulfillment of the award of the degree Bachelor of Arts (History)of the University of was carried out under my guidance.

Place: Chalakudy

Date: 30 / 3/2022

M.S. Meenu Jacob
Head of the department
Department of History
Sacred Heart college
Chalakudy

Mr. Libin Francis
Assistant professor
Department of History
Sacred Heart college
Chalakudy

DECLARATION

I affirm that these dissertation entitled "GANDHIAN PROGRAMMES" is being submitted by SREEKUTTY V.R in partial fulfillment for the Award of Degree of Bachelor of Art(History)of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

SREEKUTTY V. R

6th SEMESTER HISTORY

Place :chalakudy

Date : 30 / 3 / 2022

HISTORY OF ROMAN EMPIRE

A dissertation submitted to the UNIVERSITY OF CALICUT in fulfillment of the requirements for the award of bachelor of Arts in History



ALEENA. JOSE

[REG. NO - SHATAHIR07]

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE,CHALAKUDY

2019 - 2022

CERTIFICATE

I affirm that this dissertation entitled " **HISTORY OF ROMAN EMPIRE**" being submitted by **ALEENA. JOSE** in partial fulfillment for the degree of Bachelor of Arts (History) of the University Of Calicut was Carried out and my guidance.

Place : Chalakudy

Date : 30/3/2022

Ms. Meenu Jacob

Head of the department

Department of History

Sacred Heart College

Chalakudy

Ms. Meenu Jacob

Head of the department

Department Of History

Sacred Heart College

Chalakudy

DECLARATION

I affirm that these dissertation entitled **" HISTORY OF ROMAN EMPIRE"** being submitted by **Aleena Jose** in partial fulfillment for the award of degree of bachelor of Arts (History) of University Of Calicut was carried out me. This is my Original work has not been presented before any university for award of any degree or diploma earlier.

Place : Chalakudy

Date : 30 / 3 / 2022

Aleena. Jose

VI th Semester

BA History

HISTORY OF 1857 REVOLT

Assignment submitted to the UNIVERSITY OF CALICUT in partial fulfillment of the requirement for the Award of Degree of Bachelor of Arts in History

ANJANA.V.A

(REG.NO: SHATAHIR11)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this Assignment entitled the historical study of the 1857 REVOLT is being submitted by ANJANA.V.A in partial fulfillment for the Award of Degree of Bachelor of Arts(History) of the UNIVERSITY OF CULICUT was carried out under my guidance.

Place:Chalakudy

Date: 30 / 3 / 2022

M.S MEENU JACOB
Head of department
Department of History
Sacred heart college
Chalakudy

DECLARATION

I affirm that these Assignment entitled A Historical study of the 1857 REVOLT is being submitted by ANJANA.V.A in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CULICUT was carried out by me. This is my original work and has not been presented before any university for award of any degree or diploma earlier



Place:Chalakudy

Date: 30/3/2022

ANJANA.V.A

6th SEM BA.HISTORY

ARCHEOLOGICAL EVIDENCE;

MEGALITHIC

Assignment submitted to the university of Calicut in partial Fulfillment of the requirement for the award of Degree of Bachelor of Arts in History

ROSHAN K M

(SHATAHIR30)

DEPARTMENT OF HISTORY SACRED HEART COLLEGE CHALAKUDY

2019-2022

DECLARATION

I affirm that this assignment entitled"ARCHEOLOGICAL EVIDENCE;MEGALITHIC"being submitted by ROSHNA K M In partial fulfillment for the award of degree of Bachelor of Arts (History) of the university of Calicut was Entirely carried out by me.This is my original work has Not been presented before any university for the award Of degree or diploma earlier

Place : Chalakudy

Date: 30 | 3 | 2022

ROSHNAKM

VI th SEM BA HISTORY

DECLARATION

I affirm that this assignment entitled "ARCHEOLOGICAL EVIDENCE;MEGALITHIC" being submitted by ROSHNA K M in partial fulfilment for the award of degree of Bachelor of Arts(History) of the university of Calicut was entirely carried out by me.This is my original work has not been presented before any university for the award of degree or diploma earlier.

Place:Chalakudy

Date: 30/3/2022

ROSHNA K M

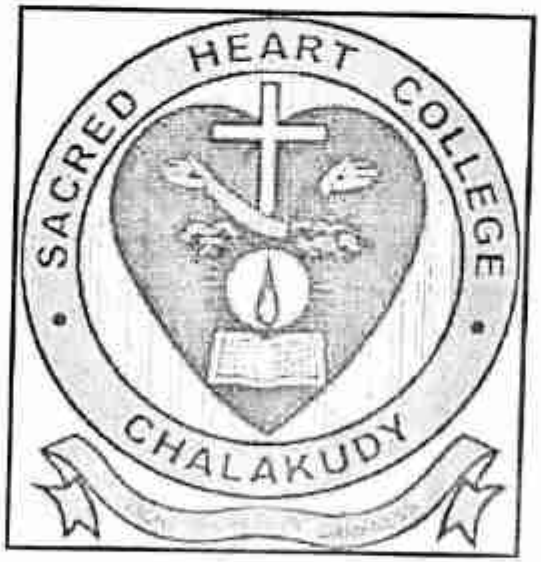
VIth SEM BA HISTORY

LOCAL HISTORY OF TRIBAL COLONY IN ATHIRAPPILLY PANCHAYATH

Dissertation submitted to the ***UNIVERSITY OF CALICUT*** *In partial fulfillment of the requirement for the Award of Degree of Bachelorof Arts in History.*

ASHITHA K P

(REG.NO: SHATAHIR02)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled the historical study of the the LOCAL HISTORY OF TRIBAL COLONY IN ATHIRAPPILLY PACHAYATHin partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy

Date : 30-3-2022

M.S MEENU JACOB

Head of the department

Department of History

Sacred heart college

Chalakudy.

DECLARATION

I affirm that these dissertation entitled LOCAL HISTORY OF TRIBAL COLONY IN ATHIRAPPILLY PANCHAYATH is being submitted by Ashitha K.P in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out by me. This is my original workand has not been presented before any University for award of any degreeor diploma earlier.

Place : Chalakudy

Date : 30-3-2022

Ashitha K.P

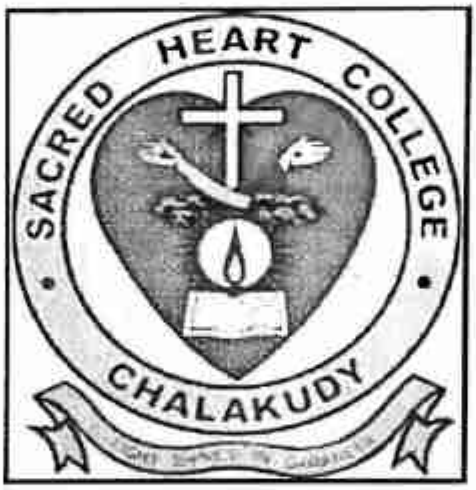
6th SEM BA. HISTORY

HISTORY OF NEDUMKOTTA IN PALAMURY

Dissertation submitted to the UNIVERSITY OF CALICUT
In partial fulfillment of the requirement for the Award of
Degree of Bachelor of Arts in History.

NAYANA SHIJU

(REG.NO: SHATAHIR25)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled the "**HISTORY OF NEDUMKOTTA IN PALAMURY**" is being submitted by **NAYANA SHIJU** in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy

Date : 30/3/2022

Ms. MEENU JACOB
Head of the department
Department of History
Sacred heart college
Chalakudy.

Ms. SMINA M.B.
Supervising
Department of History
Sacred heart college
Chalakudy.

DECLARATION

I affirm that these dissertation entitled "**HISTORY OF NEDUMKOTTA IN PALAMURY**" is being submitted by **NAYANA SHIJU** in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

Place : Chalakudy

Date : 30/3/2022

NAYANA SHIJU

6th SEM BA. HISTORY

"MAJOR AND POLITICAL ENTITIES"

A dissertation submitted to the UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award

Of degree bachelor of arts in history.

NIYA BABU

(REGISTER NO: SHATAHIR28)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE, CHALAKUDY



CERTIFICATE

I affirm that this dissertation entitled "MAJOR AND POLITICAL ENTITIES" is being submitted by NIYA BABU in partial Fulfillment of the award of the degree Bachelor of Arts (History)of the University of was carried out under my guidance.

Place :Chalakudy

Date: 30/5/2022

M.S. Meenu jacob
Head of the department
Department of History
Sacred Heart college
Chalakudy

M.S. smina
Assistant professor
Department of History
Sacred Heart college
Chalakudy

DECLARATION

I affirm that these dissertation entitled "MAJOR AND POLITICAL ENTITIES" is being submitted by NIYA BABU in partial Fulfillment for the Award of Degree of Bachelor of Art(History)of the UNIVERSITY OF CALICUT was carried out by me. This is my original Work and has not been presented before any University for award of Any degree or diploma earlier.

Place :Chalakudy

Date : 30/3/2022

NIYA BABU

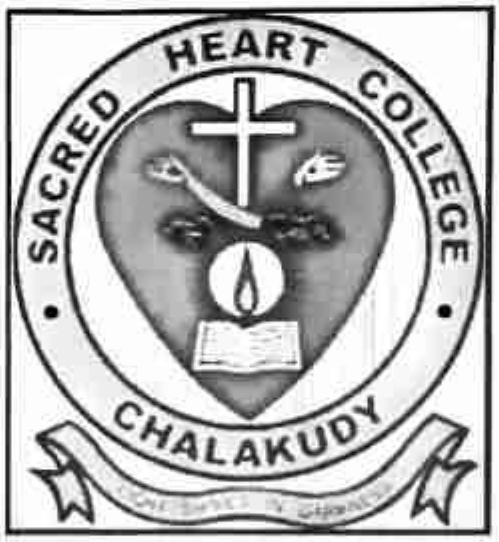
6th SEMESTER HISTORY

HISTORY OF AMERICAN REVOLUTION

Dissertation submitted to the UNIVERSITY OF CALICUT In partial fulfillment of the requirement for the Award of Degree of Bachelor of Arts in History.

ANNA MARIYA

(REG.NO:SHATAHIR13)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled the historical study of the AMERICAN REVOLUTION is being submitted by ANNA MARIYA in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy

Date : 30-3-2022

M.S MEENU JACOB
Head of the department
Department of History
Sacred heart college
Chalakudy

SMINA M.B
Assistant Professor
Department of History
Sacred heart college
chalakudy

DECLARATION

I affirm that these dissertation entitled A Historical study of the AMERICAN REVOLUTION is being submitted by ANNA MARIYA in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

Place : Chalakudy

Date : 30-3-2022

ANNA MARIYA

6th SEM BA. HISTORY

HISTORY OF TAMIL LITERATURE

Dissertation submitted to the UNIVERSITY OF CALICUT In partial fulfillment of the requirement for the Award of Degree of Bachelor of Arts in History.

KRISHNAPRIYA SIVAN

(REG.NO: SHATAHIR04)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled the historical study of the TAMIL LITERATURE is being submitted by KRISHNAPRIYA SIVAN in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy

Date : 30/3/2022

M.S MEENU JACOB

Head of the department

Department of History

Sacred heart college

Chalakudy.

DECLARATION

I affirm that these dissertation entitled A Historical study of the TAMIL LITERATURE is being submitted by KRISHNAPRIYA SIVAN in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

Place : Chalakudy

Date : 30/3/2022

KRISHNAPRIYA SIVAN

6th SEM BA. HISTORY

HISTORY OF JAINISM

Assignment Submitted to the UNIVERSITY OF CALICUT In Partial fulfillment of the requirement for the Award of Degree of Bachelor of Arts in History.

ARUNIMA N

(REG. No: SHATAHIR14)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that Assignment entitled the history study of the 'Jainism' being submitted by Ms. Arunima N in partial Fulfillment for the Award of Degree of Bachelor of Art (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place : Chalakudy
Date: 30 | 3 | 2022

MS. MEENU JACOB
Head of The Department
Department of History
Sacred Heart Collage chalakudy.

Ms.SMINA M.B
Supervising Teacher
Assistant Professor
Department of History
Sacred Heart collage chalakudy

DECLARATION

I Affirm that this assignment entitled 'JAINISM' Submitted by MS.ARUNIMA.N in partial for the award of degree of bachelor of art (History) of the University of Calicut was by entirely carried out by me. This is my Original works not been present before any university for the award of degree or diploma earlier.



Place :-Chalakudy

Date:- 30/3/2022

ARUNIMA N

6th SEM BA. HISTORY

THAMIL LITERATURE

A dissertation submitted to the UNIVERSITY OF CALICUT in fulfilment of the requirements for the award of Bachelor Degree of Arts in HISTORY



ASHA CHANDRAN

(REG. NO – SHATAHIR15)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019 - 2022

CERTIFICATE

I affirm that the dissertation entitled 'TAMIL LITERATURE' being submitted by Asha Chandran in partial fulfilment for the Award of Degree of Bachelor of arts(History) of the University of Calicut was carried out under my guidence.

Place:

Date: 30/8/2022

Ms. Meenu Jacob
Head of the Department
Teacher
Department of History
Sacred Heart College
Chalakudy

Ms. Smima M. B
Supervising
Assistant Professor
Department of History
Sacred Heart College
Chalakudy

DECLARATION

I affirm that this dissertation entitled "TAMIL LITERATURE" being submitted by ASHA CHANDRAN in partial fulfilment for Arts(History) of the University of Calicut was carried out by me. This is my original work has not been presented before any University for Award of any degree or diploma earlier.

Place : Chalakudy

Date: 30/3/2022

.

ASHA CHANDRAN

6th semester

B A HIstory

The Mughal ruler Akbar the great

PROJECT REPORT SUBMITTED IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF DEGREE OF BACHELOR OF ARTS IN HISTORY OF THE UNIVERSITY OF THE CALICUT

SUBMITTED BY

NAIMA PS
(Reg no:SHATAHIR24)



March –2022
Department of history
Sacred heart College
Chalakudy

Certificate

I affirm that this dissertation entitled the Mughal ruler akbar the great being submitted by Naima PS in partial fulfillment of the award of degree of bachelor of arts (history) of the university of Calicut was carried out under my guidance.

Place: chalakudy.
Date 30/3/2022

Ms Meenu Jacob

Head of the department

Sacred heart College

chalakudy

Ms smina

Supervising teacher

Department of history

Sacred heart collage

Chalakudy

Declaration

I affirm that the dissertation entitled a study about the Mughal ruler Akbar the great being submitted by Naima PS in partial fulfillment for the award of bachelor art (history) was carried out by me. This is my original work and has not been presented before any universities for the award of any degree or diploma earlier.

Place: chalakudy

Naima PS
VI semister

Date. 30/3/2022

HISTORICAL STUDY OF ANNALES SCHOOL

A dissertation submitted to the UNIVERSITY OF CALICUT in partial Fulfillment of the requirements for the award of degree bachelor of Arts in history.



ANJALY LIGIESH

(REG.NO.SHATAHIRIO)

DIPARTEMENT OF HISTORY

SACRED HEART COLLEGE

CHALAKUDY

CERTICATE

I affirm that this dissertation entitled, A HISTORICAL STUDY OF ANNALES OF SCHOOL being submitted by ANJALY LIGIESH in partial fulfillment for the award of Degree of Bachelor of Arts (History) of the university of was carried out under my guidance

Place: chalakudy

Date: 30/3/2022

M. S Meenu Jacob
Head of the Department
Sacred Heart College
Chalakudy

Smina Haridas
Supervising
Department of History
Sacred Heart College
Chalakudy

DECLARATION

I affirm that this dissertation entitled "A HISTORICAL STUDY OF ANNALES SCHOOL" being submitted by ANJALY LIGIESH in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the University of Calicut was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

Place: Chalakudy

Date: 30/3/2022

ANJALY LIGIESH

VI th SEMES

B A HISTORY

A HISTORICAL STUDY OF VIJAYA NAGARA EMPIRE

A dissertation submitted to the UNIVERSITY OF CALICUT in partial fulfilment of the requirement for the award of degree bachelor of arts in history.

ASHNA MOL V.S
(Reg.NO.SHATAHIR16)
DEPARTMENT OF HISTORY
SACRED HEART COLLEGE
CHALAKUDY

2019 - 2022

CERTIFICATE

i affirm that this dissertation entitled the historical study of the **VIJAYA NAGARA EMPIRE** is being submitted **ASHNA MOL V.S** in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the **UNIVERSITY OF CALICUT** was carried out under my guidance.

Place: Ashtamichira
Date : 18-3-2022

M.S MEENU JACOB
Head of the department
Department of History
Sacred heart college
Chalakudy

SMINA M.B
Assistant Professor
Department of History
Sacred heart college
Chalakudy

DECLARATION

i affirm that this dissertation entitled A Historical study of **VIJAYA NAGARA EMPIRE** is being submitted by **ASHNA MOL V.S** in partial fulfilment for the Award of Degree of Bachelor of Arts (History) of the **UNIVERSITY OF CALICUT** was carried out by me. This is my original work and has not been presented before any University for Award of any degree or diploma earlier.



Place : Ashtamichira
Date : 18-3-2022

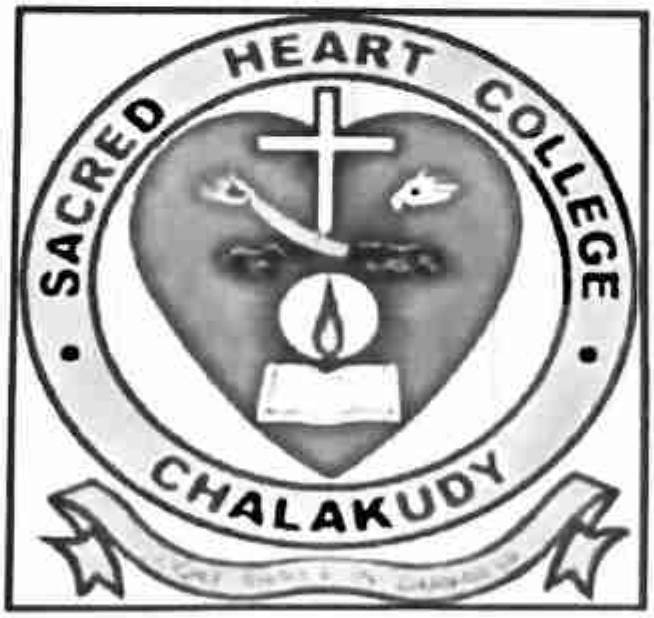
ASHNA MOL V.S
6th SEM B.A HISTORY

FIRST WORLD WAR

Assignment submitted to the **UNIVERSITY OF CALICUT** *In partial fulfillment of the requirement for the Award of Degree of Bachelor of Arts in History.*

KRISHNA SHANIL

(REG.NO: SHATAHIR21)



DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that Assignment entitled a historical study of the 'FIRST WORLD WAR being submitted byMS. KRISHNA SHANIL in partial fulfilment for the Award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place:Chalakudy
Date: 30-3-2022

MS. MEENU JACOB
Head Of The Department
Department of History
Sacred Heart College
Chalakudy.

MS.SMINA M.B
SupervisingTeacher
Assistant professor Of
Department Of History
Sacred Heart college
Chalakudy

DECLARATION

I Affirm that this Assignment entitled 'FIRST WORLD WAR' Submitted by MS. KRISHNA SHANIL in Partial fulfilment for the award of degree of bachelor of arts (History) of the university of calicut was by entirely carried out by me . This is my original works not been present before any university for the award of degree or diploma earlier.

Krishna

Place:-Chalakudy

KRISHNA SHANIL

Date:- 30-3-2022

6th SEM BA. HISTORY

"RUSSIAN REVOLUTION"

A dissertation submitted to the UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award

Of degree bachelor of arts in history.

SREYA P SATHYAN

(REGISTER NO: SHATAHIR36)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE, CHALAKUDY



CERTIFICATE

I affirm that this dissertation entitled "RUSSIAN REVOLUTION " is being submitted by SREYA P SATHYAN in partial Fulfillment of the award of the degree Bachelor of Arts (History)of the University of was carried out under my guidance.

Place :Chalakudy

Date: 30/3/2022

M.S. Meenu jacob
Head of the department
Department of History
Sacred Heart college
Chalakudy

Mr. Libin Francis
Assistant professor
Department of History
Sacred Heart college
Chalakudy

DECLARATION

I affirm that these dissertation entitled "RUSSIAN REVOLUTION " is being submitted by SREYA P SATHYAN in partial Fulfillment for the Award of Degree of Bachelor of Art(History)of the UNIVERSITY OF CALICUT was carried out by me. This is my original Work and has not been presented before any University for award of Any degree or diploma earlier.

Place :Chalakudy

Date : 30/3/2022

SREYA P SATHYAN

6th SEMESTER HISTORY

HISTORY OF ALAUDDIN KHILJI

Assignment submitted to the UNIVERSITY OF CALICUT in fulfillment of the requirement for the award of Bachelor of Arts in History

ATHULYA NS

(Register Number: SHATAHIR03)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE CHALAKUDY

2019-2022

A HISTORICAL STUDY OF THE SILENT VALLEY

Dissertation submitted to the University of Calicut in partial fulfillment of the requirements for the award of Degree of Bachelor of Arts in History.



FEENA FRANCY

(Reg. NO. SHATAHIR17)

Department of History

Sacred Heart College
Chalakudy
2019-2022

CERTIFICATE

I affirm that this dissertation entitled **A HISTORICAL STUDY OF THE SILENT VALLEY** being submitted by Feena Francy in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the University of Calicut was carried out under my guidance.

Place :Chalakudy

Ms. Meenu Jacob
Head of the Department
Department of History
Sacred Heart College
Chalakudy

Ms. Smina
Supervising Teacher
Department of History
Sacred Heart College
Chalakudy.

DECLARATION

I affirm that this dissertation entitled **A HISTORICAL STUDY OF THE SILENT VALLEY** being submitted by Feena Francy in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the University of Calicut was carried out by me. This is original work has not been presented before any University for award of any degree or diploma earlier.

Place :

Date : 30/3/2022

FEENA FRANCY

VIth Semester

B.A. History

"TELUGU LITERATURE IN VIJAYANAGARA EMPIRE"

A dissertation submitted to the UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award

Of degree bachelor of arts in history.

PILLI RANI

(REGISTER NO: SHATAHIR05)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE, CHALAKUDY



CERTIFICATE

I affirm that this dissertation entitled "TELUGU LITERATURE IN VIJAYANAGARA EMPIRE " is being submitted by PILLI RANI in partial Fulfillment of the award of the degree Bachelor of Arts (History)of the University of was carried out under my guidance.

Place :Chalakudy

Date: 30/3/2022

M.S. Meenu jacob

Head of the department

Department of history

Sacred Heart college , chalakudy

DECLARATION

I affirm that these dissertation entitled "TELUGU LITERATURE IN VIJAYANAGARA EMPIRE " is being submitted by PILLI RANI in partial Fulfillment for the Award of Degree of Bachelor of Art(History)of the UNIVERSITY OF CALICUT was carried out by me. This is my original Work and has not been presented before any University for award of Any degree or diploma earlier.

Place :Chalakudy

Date : 30/3/2022

PILLI RANI

6th SEMESTER HISTORY

LOCAL HISTORY OF KARUKUTTY

Dissertation submitted to the UNIVERSITY OF CALICUT In partial fulfillment of the requirement for the award of Degree of Bachelor of Arts in History.

ALISHA E.A

(Reg.No.**SHAQAHIR08**)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE

CHALAKUDY

2016-2019

CERTIFICATE

I affirm that this dissertation entitled **"LOCAL HISTORY OF KARUKUTTY"** being submitted by **ALISHA E.A** in partial fulfillment for the award of degree of Bachelor of Arts (History) of the University of Calicut was carried out under my guidance.

Place:Chalakudy

Date: 30/3/2022

Miss :MEENU JACOB

Head of the Department

Department of History

Sacred Heart College

Chalakudy

Miss : MEENU JACOB

Supervising teacher

Department of History

Sacred Heart College

Chalakudy

8/4/19

DECLARATION

I affirm that this dissertation entitled **"LOCAL HISTORY OF KARUKUTTY"** being submitted by **ALISHA E.A** in partial fulfillment for the award of degree of bachelor of the arts (History) of the university of Calicut was entirely carried out by me. This is my original work has not been presented before any university for the award of any degree or diploma earlier.

Place:Chalakudy

Date: 30/3/2022

ALISHA E.A

VIth Sem BA History

SECOND WORLD WAR

A dissertation submitted to the UNIVERSITY OF CALICU

In partial fulfillment of the requirement for the award
of degree bachelor of arts in history

LAKSHMIPRIYA P.V

(REGISTER NO: SHATAHIR22)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE, CHALAKUDY

2019-2022



CERTIFICATE

Affirm that this dissertation entitled "SECONDWORLD WAR" is being submitted by LAKSHMIPRIYA in partial Fulfillment of the award of the degree Bachelor of Arts (History)of the University of was carried out under my guidance.

Place :

Date : 30-3-2022

M.S Meenu Jacob

Head of the department

Department of History

Sacred Heart college Chalakudy

DECLARATION

I affirm that these dissertation entitled "SECOND WORLD WAR" is being submitted by LAKSHMIPRIYA P.V in partial Fulfillment for the Award of Degree of Bachelor of Art(History)of the UNIVERSITY OF CALICUT was carried out by me. This is my original Work and has not been bonafide presented before any University for award of any degree or diploma earlier.

Place :

Date : 30-3-2022

LAKSHMIPRIYA P. V

6th SEMESTER HISTORY

HISTORY OF BUDDHISM

Assignment submitted to the university of Calicut in partial Fulfillment of the requirement for the award of Degree of Bachelor of Arts in History

SURYA K

(SHATAHIR37)

DEPARTMENT OF HISTORY SACRED HEART COLLEGE CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this assignment entitled "HISTORY OF BUDDHISM" being submitted by SURYA K in partial fulfilment for the award of degree of Bachelor of Arts(History) of the university of Calicut was carried out under my guidance.

Place:Chalakudy
Date: 30/3/2022

Miss:Meenu Jacob
Head of department
Department of History

Mr:Libin Francis
Supervising SIR
Department of History

DECLARATION

I affirm that this assignment entitled "HISTORY OF BUDDHISM" being submitted by SURYA K in partial fulfilment for the award of degree of Bachelor of Arts(History) of the university of Calicut was entirely carried out by me.This is my original work has not been presented before any university for the award of degree or diploma earlier.

Place:Chalakudy

Date: 30/3/2024

SURYA K

VIth SEM BA HISTORY

A HISTORICAL STUDY OF THE KUNJALI MARAKKAR

Dissertation submitted to the University of Calicut in partial fulfillment of the requirements for the award of Degree of Bachelor of Arts in History.

SURYA SANTHOSH

(Reg. NO. SHATAHIR38)

Department of History

Sacred Heart College
Chalakudy

2019-2022

CERTIFICATE

I affirm that this dissertation entitled **A HISTORICAL STUDY OF THE KUNJALI MARAKKAR** being submitted by Surya Santhosh in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the University of Calicut was carried out under my guidance.

Place :Chalakudy

Ms. Meenu Jacob
Head of the Department
Department of History
Sacred Heart College
Chalakudy

Mr. Libin Francis
Supervising Teacher
Department of History
Sacred Heart College
Chalakudy.

DECLARATION

I affirm that this dissertation entitled **A HISTORICAL STUDY OF THE KUNJALI MARAKKAR** being submitted by Surya Santhosh in partial fulfillment for the Award of Degree of Bachelor of Arts (History) of the University of Calicut was carried out by me. This is original work has not been presented before any University for award of any degree or diploma earlier.

Place :

Date : 30/3/2022

SURYA SANTHOSH

VIth Semester

B.A. History

"GANDHIAN PROGRAMS IN INDIA"

A dissertation submitted to the UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award

Of degree bachelor of arts in history.

VARSHA GIREESH

(REGISTER NO: SHATAHIR40)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE, CHALAKUDY

2019-2022



CERTIFICATE

I affirm that this dissertation entitled "GANDHIAN PROGRAMS IN INDIA" is being submitted by VARSHA GIREESH in partial fulfillment of the award of the degree Bachelor of Arts (History)of the University of was carried out under my guidance.

Place: Chalakudy

Date: 30/3/2022

M.S. Meenu Jacob
Head of the department
Department of History
Sacred Heart college
Chalakudy

Mr. Libin Francis
Assistant professor
Department of History
Sacred Heart college
Chalakudy

DECLARATION

I affirm that these dissertation entitled **"GANDHIAN PROGRAMS IN INDIA"** is being submitted by **VARSHA GIREESH** in partial fulfillment for the Award of Degree of Bachelor of Art(History)of the UNIVERSITY OF CALICUT was carried out by me. This is my original work and has not been presented before any University for award of any degree or diploma earlier.

VARSHA GIREESH

6th SEMESTER HISTORY

Place :chalakudy

Date : 30/3/2022

FORMATION OF JATHI

Dissertation submitted to the University of Calicut in partial Fulfillment of the requirements for the award for the degree of

Bachelor of Arts in History

Submitted by

ANAGHA LORANCE

(REGISTER NO: SHATAHIR09)

DEPARTMENT OF HISTORY

SACRED HEART COLLGE

CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this dissertation entitled "FORMATION OF JATHI" being submitted by ANGHA LORANCE in partial fulfillment for the award of degree of Bachelor of Arts (History) if the University of Calicut was carried out and my guidance

Place: Chalakudy

Date: 30 - 3 - 2022

Ms :Meenu Jacob

Head of the Department

Department of I History

Sacred Heart College

Chalakudy

Ms :Meenu Jacob

supervising Teacher

Department of I History

Sacred Heart College

Chalakudy

BHAKTHI MOVEMENT IN SOUTH INDIA

Assignment submitted to the UNIVERSITY OF CALICUT in partial Fulfilment of the requirement for the award of Degree of Bachelor of Arts in History.

SONA K R

(SHATAHIR34)

DEPARTMENT OF HISTORY

SACRED HEART COLLEGE,CHALAKUDY

2019-2022

CERTIFICATE

I affirm that this Assignment entitled "BHAKTHI MOVEMENT IN SOUTH INDIA" being submitted by SONA K R in partial fulfilment for the award of Degree of Bachelor of Arts (History) of the UNIVERSITY OF CALICUT was carried out under my guidance.

Place:Chalakudy
Date: 30 /3/2022

MS.MEENU JACOB
Head of department of History
Sacred Heart College, Chalakudy

MR.LIBIN FRANCIS
Supervising SIR Department
Department of History
Sacred Heart College, Chalakudy

DECLARATION

I affirm that this Assignment entitled "BHAKTHI MOVEMENT IN SOUTH INDIA" being submitted by SONA K R in partial fulfilment for the award of degree of Bachelor of Arts (History) of the University of Calicut was entirely carried out by me. This is my original work has not been presented before any university for the award of degree or diploma earlier.



Place:Chalakudy

Date: 30/3/2022

SONA K R

VIth SEM BA HISTORY

HARAPPAN CIVILIZATION

A dissertation submitted to the UNIVERSITY OF CALICUT in partial fulfilment of the requirement for the award of degree bachelor of arts in history.

SANDRA K SHAJU
(Reg.NO.SHATAHIR32)
DEPARTMENT OF HISTORY
SACRED HEART COLLEGE
CHALAKUDY
2019 - 2022

CERTIFICATE

I affirm that this dissertation Enfield Harappan Civilization being submitted by Sandra. K Shaju in partial fulfilment for award of the university of Calicut was carried out under my guidance.

Place: chalakudy

Date: 15-03-2022

Ms. Meena Jacob

Head of the department

Sacred Heart College,chalakudy

Mr. Libin Francis

Head of the department

Sacred Heart College, chalakudy

DECLARATION.

Sandra Shaju do here by declare that the project report entitled ' HARAPPAN CIVILIZATION'is prepared by me under the guidance. and supervision of miss MeenuJacob department of history, Sacred Heart College Chalakudy further declare thatthis project report has been submitted by for the award of Bachelor of Arts inhistory and has not previously formed partially or fully the basis for the award ofany degree or diploma.

PLACE: CHALAKUDY
DATE:15-03-2022
BA HISTORY

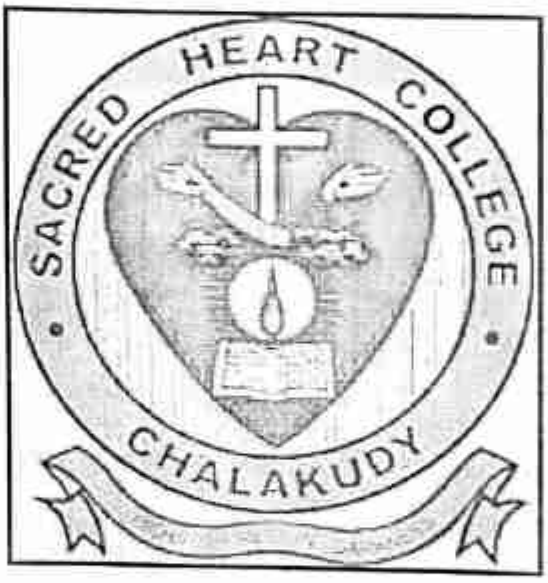
SANDRA K. SHAJU
VI " SEMESTER

LOCAL HISTORY OF PARAMBIKULAM

Dissertation submitted to the UNIVERSITY OF CALICUT In partial fulfillment of the requirement for the Award of Degree of Bachelorof Arts in History.

ANJU VARGHESE

(REG.NO: SHATAHIR12)



DEPARTMENT OF HISTORY

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2019-2022

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I affirm that this dissertation entitled the historical study of the the local history of Parambikulam is being submitted by Anju Varghese in partial fulfilment for the award of degree of Bachelor of arts (History) of the University of Calicut was carried out under my guardiance.

Place : Chalakudy

Date : 30/3/2022

M.S MEENU JACOB

Head of the department

Department of History

Sacred heart college

Chalakudy.

DECLARATION

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Place : Chalakudy

Date : 30/3/2022

Anju Varghese

6th SEM BA. HISTORY

Traumatic Effects of Biafra:

A Postcolonial Reading of Adichie's

Half of a Yellow Sun

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of University of Calicut.

By

AISWARYA UNNIKRISHNAN

Reg. No. SHATAEGR01

March 2022

Department of English

Sacred Heart College

R.S. ROAD

Chalakudy

PIN-680307

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Department of English
Sacred Heart College
Chalakudy

Supervisor
Department of English
Sacred Heart College
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Postmodernist Features in Michael Cunningham's The Hours

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut

by

ANAKHA CHANDRA PRASA

Reg. No. SHATAEGR02

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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A. Prasad

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

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Negotiating Marginalization and Discrimination : Bama's *Karukku*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of University of Calicut.

By

ASWATHY P S

Reg. No. SHATAEGR03



March 2021-2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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Department of English

Sacred Heart College

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Predilection to Race and Religion

In Jacqueline Woodson's *Brown Girl Dreaming*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut

by

Athira C.S.

Reg.No.SHATAEGR04

Mach 2022

Department of EnglishSacred Heart College

R.S. Road
Chalakudy
PIN. 680307

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Dept.of English

Sacred Heart College

Chalakudy

Supervisor

Dept.of English

Sacred Heart College

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Representation of Individual Space and Personal Memory; A Humanistic Psychoanalysis of Tetsuko Kurayanagi's *Totto Chan: the Little Girl at Window*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

By

BIYAMOL PH

Reg No. SHATAEGR05



March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

Pin: 680307

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Supervisor

Department of English

Sacred Heart College

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The Adivasi Concern: Silenced Voices, Subalternisation, Gender and their Expressing Selves in Hansda Sowvendra Shekhar's *The Mysterious Ailment of Rupi Baskey*

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By

DIYA PAULY

Reg. No. SHATAEGR06



March 2022

Department of English

Sacred Heart College

R.S. Road

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Department of English

Sacred Heart College

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Supervisor

Department of English

Sacred Heart College

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Dimensions of Queer:Subversion of Heteronormativity in Mcquiston's *Red,White and Royal Blue*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

By

FATHIMA VANEESA SI

Reg No. SHATAEGR07



March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

Pin: 680307

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Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Identity , Complexity and Resistance of the Women Folk : *The Handmaid's Tale*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

HARITHA K.S

Reg. No. SHATAEGR08



March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Women and Stories we never tell

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

P M MINSA RAFEEQUE

Reg. No. SHATAEGR09

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

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Supervisor

Department of English

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Gender, Identity and Subalternisation – A Critical Reading of Anita Desai's *Fasting, Feasting*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of University of Calicut.

by

Angel Shaju

Reg. No. SHATAEGR12

March 2022

Department of English

Sacred Heart College

R.S. Road, Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project entitled *Gender, Identity and Subalternisation – A Critical Reading of Anita Desai's Fasting Feasting* is an original work done by Angel Shaju, 2021-2022 at the Department of English, Sacred Heart College, Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department
Department of English
Sacred Heard college,
Chalakudy

Supervisor
Department of English
Sacred Heard college
Chalakudy

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Superego Guilt, Redemption and Atonement : A Psychoanalytic Study of Khaled Hosseini's *The Kite Runner.*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

By

ANITTA THOMAS

Reg. No. SHATAEGR13



March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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Department of English
Sacred Heart College
Chalakudy

Supervisor
Department of English
Sacred Heart College
Chalakudy

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Empowering the Essence: Feminist overtones in Paulo Coelho's *Eleven Minutes*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

ANN MARIA JOY

Reg. No. SHATAEGR14

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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This is to certify that the project report titled ***Empowering the Essence: Feminist overtones in Paulo Coelho's Eleven Minutes*** is an original work done by . 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Homosexuality and Patriarchal Dwarfing: An Analysis of Nigerian Womanity in Chinelo Okparanta's *Under the Udala Trees*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

By

ANSA ROY

Reg. No. SHATAEGR15



March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project report titled *Homosexuality and Patriarchal Dwarfing: An Analysis of Nigerian Womanity in Chinelo Okparanta's Under the Udala Trees* is an original work done by Ansa Roy, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department
Department of English
Sacred Heart College
Chalakudy

Supervisor
Department of English
Sacred Heart College
Chalakudy

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Deep Ecology and Disintegration: An Exploratory Analysis of Eco-critical Concerns in Amitav Ghosh's *The Hungry Tide*

Project report submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of arts in English Language and Literature of the University of Calicut

by

Antriya David

Reg. No. SHATAEGR16

March 2022

Department of English

Sacred Heart College

R. S Road,

Chalakudy

PIN - 680307

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CERTIFICATE

This is to certify that the project titled *Deep Ecology and Disintegration: An Exploratory Analysis of Eco-critical Concerns in Amitav Ghosh's The Hungry Tide* is an original work done by Antriya David, 2021-2022 at the department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Power, Gender and Subjugation in J M Coetzee's *Disgrace*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of University of Calicut.

By

ASHNA C S

Reg. No. SHATAEGR17



March 2022

Department of English

Sacred Heart College

R.S. ROAD

Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project entitled *Power, Gender and Subjugation in J M Coetzee's Disgrace* is an original work done by Ashna C S, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department
Department of English
Sacred Heart College
Chalakudy

Supervisor
Department of English
Sacred Heart College
Chalakudy

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Analytical Reading of Post-Humanism in Cormac Mc Carthy's *Blood Meridian*

Project Report Submitted to the University of Calicut in partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English language and Literature

By

BHUVANA P A

Reg. No.

SHATAEGR18

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy, Thrissur

PIN: 680307

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This is to certify that the project titled ***Analytical Reading of Post-Humanism in Cormac McCarthy's Blood Meridian*** is an original work done by Bhuvana P. A, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department
Department of English
Sacred Heart College
Chalakudy

Supervisor
Department of English
Sacred Heart College
Chalakudy

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Geographical Evolution of Slavery in Yaa Gyasi's *Homegoing*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

EVLIN JOSE

Reg. No. SHATAEGR19

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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CERTIFICATE

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Head of the Department

Department of English

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Chalakudy

Supervisor

Department of English

Sacred Heart College

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The Paradigm of Fragmentation and Hybridity in Post Colonial India: A Reading of Salman Rushdie's *Midnight's Children*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

By

HALA ANIS P

Reg. No. SHATAEGR20

March 2022

Department of English

Sacred Heart College

R.S.road

Chalakudy

PIN-680307

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Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

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Commingling of the Spirit and Culture: A Psychoanalytical Study of Chitra Banerjee Divakaruni's *Oleander Girl*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of University of Calicut.

by

JOSEMI JOSE

Reg. No. SHATAEGR21

March 2022

Department of English

Sacred Heart College

R.S. ROAD

Chalakudy

PIN-680307

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This is to certify that the project report titled *Commingling of The Spirit and Culture: A Psychoanalytical Study of Chitra Banerjee Divakaruni's Oleander Girl* is an original work done by Josemi Jose 2021-2022 at the Department of English, Sacred Heart College, Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Dept. of English

Sacred Heart College

Chalakudy

Supervisor

Dept. of English

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Sexual and Gender Minority Outrage: A Psychoanalytic Queer Study of Meredith Russo's *If I Was Your Girl*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of University of Calicut

By

LITTLE ROSE M J

Reg. No. SHATAEGR22

March 2021-2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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Head of the Department

Department of English

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Chalakudy

Supervisor

Department of English

Sacred Heart College

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Politics and Patriarchy: A Postcolonial Reading of Chimamanda Ngozi Adichie's *Purple Hibiscus*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

MAYA M M

Reg. No. SHATAEGR23

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project titled ***Politics and Patriarchy: A Postcolonial Reading of Chimamanda Ngozi Adichie's Purple Hibiscus*** is an original work done by Maya M M, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

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Supervisor

Department of English

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The Voice of Surpanakha: A Feminist Reading of Kavita Kane's *Lanka's Princess*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

NISHA TOJO

Reg. No. SHATAEGR24

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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This is to certify that the project report titled *The Voice of Surpanakha: A Feminist Reading of Kavita Kane's Lanka's Princess* is an original work done by Nisha Tojo, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

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Supervisor

Department of English

Sacred Heart College

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Slavery and Post- Traumatic Stress:

A Psychoanalytic Reading of Toni Morrison's

Beloved

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

Priyanka.T. Prasad

Reg.No. SHATAEGR25



March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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This is to certify that the project work *Slavery and Post-Traumatic stress: A Psychoanalytic Reading of Toni Morrison's Beloved* is an original work done by Priyanka.T. Prasad, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College,

Chalakudy

Supervisor

Department of English

Sacred Heart College,

Chalakudy

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Deciphering Gender Conflict in Anna Burns's *Milkman*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

P S GAYATHRI

Reg. No. SHATAEGR26

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project report titled *Deciphering Gender Conflict in Anna Burns's Milkman* is an original work done by P S Gayathri, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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A Psychoanalytic Probing Into Elizabeth Strout's *Olive Again*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of theDegree of Bachelor of Arts in English Language and Literature of University of Calicut.

By

RUGIYA WINSON

Reg.No. SHATAEGR27

March 2022

Department of English

Sacred Heart College

Chalakudy

PIN - 680307

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CERTIFICATE

This is to certify that the project report titled *A Psychoanalytic Probing Into Elizabeth Strout's Olive Again* is an original work done by Rugiya winson, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Afghan Women as Subaltern: A Post Colonialist Study on Khalid Hosseini's *A Thousand Splendid Suns*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

SAFA V J

Reg. No. SHATAEGR28

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project Report titled *Afghan Women as Subaltern: A Post Colonialist Study on Khalid Hosseini's A Thousand Splendid Suns* is an original work done by Safa V J, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Subalternisation and History of China in Pearl S Buck's *The Good Earth*

Project Report Submitted in partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of Calicut University.

by

Sai Keerthana Raj

Reg. No. SHATAGER29

March 2022

Department of English

Sacred Heart College

R.S Road, Chalakudy

PIN-680307

Scanned by CamScanner

CERTIFICATE

This is to certify that the project work *Subalternisation and History of China in Pearl S Buck's The Good Earth* is an original work done by Sai Keerthana Raj, 2021-2022 at the Department of English, Sacred Heart Collage, Chalakudy and the project has not previously formed the basis for the award of the degree, diploma or any other similar title.

A. Phiny Dorls

Head of the Department
Department of English
Sacred heart college
Chalakudy

Supervisor
Department of English
Sacred Heart college
Chalakudy

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Feminism and Gender inequality in Buchi Emecheta 's The joys of motherhood

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

SREYA TR

Reg. No. SHATAEGR30

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

Scanned by CamScanner

CERTIFICATE

This is to certify that the project titled **feminism and Gender inequality in Buchi Emecheta 's The joys of motherhood** is an original work done by SREYA TR , 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College

Chalakudy

Supervisor

Department of English

Sacred Heart College

Chalakudy

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Revisiting the Gendered Subaltern Ethos in Mahasweta devi's *'Breast stories'*

Project Report Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

STEPHY V S

Reg. No. SHATAEGR31

March 2022

Department of English

Sacred Heart College

R.S. Road

Chalakudy

PIN-680307

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CERTIFICATE

This is to certify that the project report titled **Revisiting the Gendered Subaltern Ethos in Mahasweta Devi's '*Breast stories*' is** an original work done by Stephy vs, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department

Department of English

Sacred Heart College
Chalakudy

Supervisor

Department of English

Sacred Heart College
Chalakudy

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Questioning Identities of Othered Women: The Overshadow of Colour in Bernardine Evaristo's Novel *Girl, Woman, Other.*

Project Report Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of Bachelor of Arts in English Language and Literature of the University of Calicut.

by

AFREENA K R

Reg. No. SHATAEGR32

March 2022

Department of English

Sacred Heart College,

R.S. Road,

Chalakudy.

PIN-680307

Scanned by CamScanner

CERTIFICATE

This is to certify that the project report titled *Questioning Identities of Othered Women: The Overshadow of Colour in Bernardine Evaristo's Novel Girl, Woman, Other* is an original work done by Afreena K R, 2021-2022 at the Department of English, Sacred Heart College Chalakudy and the project has not previously formed the basis for the award of any degree, diploma or any other similar title.

Head of the Department
Department of English
Sacred Heart College
Chalakudy

Supervisor
Department of English
Sacred Heart College,
Chalakudy

Scanned by CamScanner

A STUDY ON CUSTOMIZED CAR INTERIOR WORK IN THRISSUR

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

AAMINA V M

(Reg. No: SHATBCM054)

Under the supervision of

Ms. SRUTHY P K



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON ATTITUDE OF STUDENTS TOWARDS EDUCATION IN ABROAD

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALEENA P LAL

(Reg. No: SHATBCM056)

Under the supervision of

Ms. REVATHY M.S



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON VOLUNTEERS ATTITUDE TOWARDS KITES FOUNDATION WITH SPECIAL REFERENCE TO VOLUNTEERS OF KITES

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALINA M XAVIER

(Reg. No: SHATBCM057)

Under the supervision of

Ms. ANJU P A



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON CONSUMER PREFERENCES TOWARDS ONLINE SHOPPING AFTER THE EMERGENCE OF COVID-19

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALPHY FRANCIS

(Reg. No: SHATBCM058)

Under the supervision of

Ms. ANCHU K S

POSTGRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "SAVING AND SPENDING HABITS AMONG YOUTH WITH SPECIAL REFERENCE TO 20TH WARD OF MATTATHUR GRAMAPANCHAYATH"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANAGHA V.P.

(Reg. No: SHATBCM059)

Under the supervision of

Ms. FARSANA P.M



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

"A STUDY ON SATISFACTION AMONG WOMEN TOWARDS MICROFINANCE ASSISTANCE PROVIDED BY ESAF"

Project report submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement of the award of degree of

BACHELOR OF COMMERCE

Submitted by

ANJANA M D

REG NO: SHATBCM060

Under the supervision of

MS. DIVYA RAJAN

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE CHALAKUDY

UNIVERSITY OF CALICUT

2021-2022

A STUDY ON IMPACT OF CORONAVIRUS PANDEMIC ON RESTAURANTS

(WITH SPECIAL REFERENCE TO PUDUKAD PUNCHAYATH)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANUMOL JOY

(Reg. No: SHATBCM061)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT
2019 - 2022

A STUDY ON SATISFACTION OF CUSTOMERS TOWARDS ONLINE FOOD DELIVERY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANUPAMA M S

(Reg. No: SHATBCM062)

Under the supervision of

Ms.AGNA C ANTO



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON EFFECTIVENESS OF PERFORMANCE APPRAISAL SYSTEM WITH SPECIAL REFERENCE TO PACKMEN MACHINERIES PVT LTD, PULIYANAM

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ATULYA PARAMESWARAN

(Reg. No: SHATBCM063)

Under the supervision of

Ms. KEERTHANA T.U

POST GRADUATE DEPARTMENT OF COMMERCE

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

MARCH 2022

A STUDY ON 'THE ROLE OF KRISHIBHAVAN IN RURAL DEVELOPMENT WITH SPECIAL REFERENCE TO KODAKARA WARD 19"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

DEVIKA VENU

(Reg. No:SHATBCM064)

Under the supervision of

Ms. SHINU JOY



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

"A STUDY ON CONSUMER PREFERENCE TOWARDS SMARTPHONES WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MEGHNA C.M

(Reg. No: SHATBCM065)

Under the supervision of

Ms. REVATHY M.S

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON BRAND PREFERENCE OF CANON CAMERAS AMONG CUSTOMERS IN THRISSUR DISTRICT

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

NAHLA MUMTHAS K R

(Reg. No: SHATBCM066)

Under the supervision of

Ms. ANJU P A

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON THE EFFECT OF COVID 19 ON SAVING AND INVESTMENT PATTERN OF NRI'S WITH SPECIAL REFERENCE TO MALA GRAMA PANCHAYATH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

NAIBY BENNY

(Reg. No: SHATBCM067)

Under the supervision of

Ms. ANCHU K.S

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

22 - 22

A STUDY ON "PROBLEMS FACED BY PEDDLERS AND HAWKERS WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

NANDANA SURESH

(Reg. No:SHATBCM068)

Under the supervision of

Ms. FARSANA P.M



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

"A STUDY ON PASSENGER PREFERENCE TOWARDS KSRTC WITH SPECIAL REFERENCE TO CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ADHEENA P.S

(Reg. No: SHATBCM069)

Under the supervision of

Ms. DIVYA RAJAN

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SAC0RED HEART COLLEGE,CHALAKUDY

UNIVERSITY OF CALICUT

March 2022

EFFECTIVENESS OF PLACEMENT / CAREER READINES / INTERNSHIP PROGRAMS IN REDUCING UNEMPLOYMENT

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ADITHYA R.S

(Reg. No: SHATBCM070)

Under the supervision of

Ms. NAYANA SREEDHARAN

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY
UNIVERSITY OF CALICUT
2019- 2022

A STUDY ON SERVICE QUALITY OF SUPERMARKETS (WITH SPECIAL REFERENCE TO CHALAKUDY AREA)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

AISWARYA T.P

(Reg. No: SHATBCM071)

Under the supervision of

Ms. AGNA C ANTO



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON THE ATTITUDES OF PEOPLE TOWARDS YOUTUBE ADVERTISEMENTS AND THEIR PURCHASE DECISION (WITH SPECIAL REFERENCES TO CHALAKUDY MUNICIPALITY)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALEENA DAVIS

(Reg. No: SHATBCM072)

Under the supervision of

Ms. KEERTHANA T U



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY UNIVERSITY OF CALICUT

2019-2022

A STUDY ON CONSUMERS PREFERENCE TOWRDS TRADITIONAL MARKETING AND E-MARKETING IN YOUTH (WITH SPECIAL REFERENCE TO 16th WARD OF CHALAKUDY MUNICIPALITY)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALEENA SAJU

(Reg. No: SHATBCM073)

Under the supervision of

Ms. SHINU JOY



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019- 2022

A STUDY ON IMPACT OF SOCIAL MEDIA ON CUSTOMER BEHAVIOR

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALNA THOMAS

(Reg. No: SHATBCMO74)

Under the supervision of

Ms. REVATHY M.S



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON CUSTOMER SATISFACTION AFTER THE COLLABORATION OF VODAFONE AND IDEA IN TO Vi SPECIAL REFERENCE TO 17TH WARD OF KODASSERY GRAMA PANCHAYATH

Project report submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree of

BACHELOR OF COMMERCE

By

AMALA K.B

(Reg. No: SHATBCM075)

Under the supervision of

Ms. ANJU P.A

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

"A STUDY ON CUSTOMER AWARENESS TOWARDS E-PAYMENT SYSTEM WITH SPECIAL REFERENCE TO 13TH WARD OF KADUKUTTY GRAMAPANCHAYATH"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANAGHA C. RAGHUNADH

(Reg. No: SHATBCM076)

Under the supervision of

Ms. ANCHU K.S

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON BUYING BEHAVIOUR OF COSMETICS AMONG MEN,WITH SPECIAL REFERENCE TO 7TH WARD OF KODASSERY GRAMA PANCHAYATH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANGEL P.V
(Reg. No: SHATBCMO77)

Under the supervision of

Ms. FARSANA P.M



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON INVESTMENT HABITS AMONG AIDED SCHOOL TEACHERS

(WITH SPECIAL REFERENCE TO MALA GRAMA PANCHAYATH)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANLIT PAULSON

(Reg. No: SHATBCM078)

Under the supervision of

Ms. DIVYA RAJAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A COMPARATIVE STUDY ON CUSTOMERS SATISFACTION TOWARDS GOOGLE PAY AND PAYTM (WITH SPECIAL REFERENCE TO PARIYARAM GRAMA PANCHAYATH)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ARCHANA PRAKASAN

(Reg. No: SHATBCM079)

Under the supervision of

Ms. NAYANA SREEDHARAN

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON "CONSUMER SATISFACTION TOWARDS ELECTRIC VEHICLES WITH SPECIAL REFERENCE TO 8th WARD OF PARIYARAM PANCHAYATH"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ARCHANA P.S.

(Reg. No: SHATBCM080)

Under the supervision of

Ms. AGNA ANTO

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

STUDY ON THE IMPACT OF DIGITAL MARKETING ON CONSUMER BEHAVIOUR OR PURCHASE DECISION

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

Ashima Prakasan

(Reg. No :SHATBCM081)

Under the supervision of

Keerthana T.U.

POST GRADUATE DEPARTMENT OF COMMERCE

& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON IMPACT OF INTERNET ADVERTISEMENT ON CONSUMER BUYING BEHAVIOUR WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE CHALAKUDY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ATHULIYA JAYAN

Reg. No: SHATBCM082

Under the supervision of

Ms. SHINU JOY



POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON CUSTOMER SATISFACTION TOWARDS BSNL SERVICE PROVIDER WIYH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

DEMI MARIYA M.D.

(Reg. No: SHATBCM083)

Under the supervision of

Ms. REVATHY M.S.



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON EFFECTIVENESS OF E-GOVERNANCE APPLICATION THROUGH AKSHAYA CENTRES AMONG RURAL PEOPLE IN PARIYARAM GRAMA PANCHAYAT

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

DEVICHANDANA

(Reg. No: SHATBCM084)

Under the supervision of

Ms. ANJU P.A



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019- 2022

A STUDY ON "CUSTOMER SATISFACTION OF RELIANCE JIO AMONG YOUNGSTERS IN THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By
HIMA VARGHESE

(Reg.No: SHATBCM085)

Under the supervision of

Ms. ANJU P.A



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON OCCUPATIONAL STRESS AMONG NURSES WITH SPECIAL REFERENCE TO KODAKARA SANTHI HOSPITAL

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

JAYANA SHAJU

(Reg. No: SHATBCM086)

Under the supervision of

Ms. FARSANA PM



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON EFFECTIVENESS OF MAHATMA GANDHI NATIONAL RURAL EMPLOYMENT GUARANTEE ACT ON RURAL PEOPLE WITH SPECIAL REFERENCE IN NENMANIKARA PANCHAYAT

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

KRISHNA.V.R

(Reg. No:SHATBCM088)

Under the supervision of

Ms. DIVYA RAJAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE CHALAKUDY

UNIVERSITY OF CALICUT

March 2022

A STUDY ON THE INFLUENCE OF SOCIAL MEDIA ON YOUTH WITH SPECIAL REFERENCE TO CHALAKUDY TOWN

Project report submitted to

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree of

BACHELOR OF COMMERCE

By

LAKSHMIPRIYA CB

(Reg.No:SHATBCM089)

Under the supervision of

Ms. NAYANA SREEDHARAN

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEAGE CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON "PATIENT SATISFACTION WITH SPECIAL REFERENCE TO GOVERNMENT HOSPITAL CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

LAKSHMIPRIYA K B

(Reg. No: SHATBCM090)

Under the supervision of

Ms. AGNA C ANTO



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON CONSUMER BRAND PREFERENCE TOWORDS SELECTING SMART PHONE WITH REFERENCE TO MURIYAD PANCHAYATH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

Submitted By

MARIA PAUL

(Reg. No: SHATBCMO92)

Under the supervision of

Ms. SHINU JOY



UNDER GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

"COMPARATIVE STUDY OF ONLIINE LEARNING AND OFFLINE LEARNING AMONG COLLEGE STUDENTS WITH SPECIAL REFERENCE TO S.H. COLLEGE CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MARIYA BENNY

(Reg. No: SHATBCM093)

Under the supervision of

Ms. REVATHY M.S.



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

"A STUDY ON IMPACT OF CELEBRITY ENDORSEMENT ON BRAND BUILDING AND CONSUMER BUYING BEHAVIOR"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MUFEEDA.K.H

(Reg. No.SHATBCM094)

Under the supervision of

Ms. ANJU P.A



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON CUSTOMER SATISFACTION TOWARDS THE SERVICES OF FEDERAL BANK AND STATE BANK OF INDIA WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree in

BACHELOR OF COMMERCE

Submitted by

SHALU ES

(Reg. no: SHATBCM095)

Under the supervision of

Ms. SRUTHY P.K

POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

SACRED HEART COLLEGE CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON SATISFACTION OF EMPLOYEES IN CARRIER AIR-CONDITIONING AND REFRIGERATION LTD KOCHI

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SNEHA JOBY

(Reg. No: SHATBCM096)

Under the supervision of

Ms. SRUTHY P.K



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019- 2022

A STUDY ON THE AWARENESS OF ONLINE EDUCATIONAL APPS AMONG COLLEGE STUDENTS (WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE, CHALAKUDY)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SONA DAVIS

(Reg. No: SHATBCM097)

Under the supervision of

Ms. SRUTHY P.K.



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON LEARNING STYLE OF STUDENTS BEFORE AND AFTER COVID

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SREEKALA S.S

(Reg. No: SHATBCM099)

Under the supervision of

Ms. SHINU JOY



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON CUSTOMER SATISFACTION TOWARDS ONLINE FOOD DELIVERY SERVICES WITH SPECIAL REFERENCE TO CHALAKUDY CITY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

Submitted by

STEPHY PAULY

(SHATBCM100)

Under the supervision of

Ms. SRUTHY

POST GRADUATE DEPARTMENT OF COMMERCE

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON HIGHER EDUCATION STUDENTS' SATISFACTION TOWARDS ONLINE EDUCATION AFTER THE EMERGENCE OF COVID-19 PANDEMIC SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

AFRA K A

(Reg. No: SHATBCM001)

Under the supervision of

Ms. KEERTHANA T U

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

"A STUDY ON ROLE OF TOURISM IN ECONOMIC DEVELOPMENT OF ATHIRAPILLY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

AISWARYA N.S

(Reg. No: SHATBCM002)

Under the supervision of

Ms. SHINU JOY

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

MARCH 2022

A STUDY ON "CUSTOMER SATISFACTION TOWARDS NIKE PRODUCTS AMONG YOUTH WITH SPECIAL REFERENCE TO ANNAMANADA GRAMA PANCHAYATH"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ALEENA JOMY

SHATBCM004

Under the supervision of

Mrs. REVATHY M.S

POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON "CUSTOMER AWARENESS TOWARDS E-BANKING SERVICES WITH SPECIAL REFERENCE TO KADUKUTTY GRAMA PANCHAYAT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANGEL JOHNY

SHATBCM006

Under the supervision of

Ms. FARSANA PM



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "CUSTOMER OR MEMBER SATISFACTION ON PRIMARY AGRICULTURAL CREDIT COOPERATIVE SOCIETY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANJALY T.S

SHATBCM007

Under the supervision of

Ms. FARSANA P.M

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON "BRAND PREFERENCE OF SMART PHONES AMONG COLLEGE GOING GIRLS WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANUPAMA T.P

(Reg. No:SHATBCM008)

Under the supervision of

Ms. DIVYA RAJAN

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2021-22

A STUDY ON JOB SATISFACTION AMONG INDIAN RAILWAY EMPLOYEES AT PALAKKAD DIVISION OF SOUTHERN RAILWAY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANUSHA VIKRAM

(Reg. No: SHATBCMOO9)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON STRESS MANAGEMENT AMONG EMPLOYEES IN BANKING SECTOR WITH SPECIAL REFERENCE TO ALOOR PANCHAYTH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ASHNA M A

(Reg. No: SHATBCM010)

Under the supervision of

Ms. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON IMPACT OF COVID-19 ON EMPLOYMENT AND UNEMPLOYMENT

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ATHIRA.T.S

(Reg. No: SHATBCM011)

Under the supervision of

Ms. KEERTHANA.T.U

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE CHALAKUDY

UNIVERSITY OF CALICUT

March 2022

"A STUDY ON INVESTMENT BEHAVIOUR OF COLLEGETEACHERS"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

CAROLINE THERESE

(Reg. No:SHATBCM012)

Under the supervision of

Ms. SHINU JOY

POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON EFFECTS OF INFLATION ON MIDDLE CLASS PEOPLE WITH SPECIAL REFERENCE TO CHALAKUDY CITY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

KRISHNANIVEDYA A. S

(Reg. No:SHATBCM014)

Under the supervision of

Ms. REVATHY M. S



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON INFLUENCE OF SOCIAL MEDIA ADVERTISEMENT ON BUYING BEHAVIOUR AMONG YOUTH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By
MEGHA SHAJI
(Reg. No:SHATBCM015)

Under the supervision of

Mrs.ANJU.P.A



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "CUSTOMER SATISFACTION IN SERVICES PROVIDED BY SBI WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY AREA"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MERLEENA MATHEW

(Reg. No: SHATBCM016)

Under the supervision of

Ms. Divya Rajan

POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON THE EMPLOYEE SATISFACTION OF INFOPARK WITH SPECIAL REFERENCE TO KORATTY BRANCH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SAJANA KS
(Reg. No: SHATBCM017)

Under the supervision of

Ms. FARSANA P M





POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 – 2022

A STUDY ON CUSTOMER SATISFACTION OF PUBLIC DISTRIBUTION SYSTEM DURING COVID 19 WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SIVAGANGA S

(Reg. No: SHATBCM018)

Under the supervision of

Ms. DIVYA RAJAN

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON YOUNG GENERATION ATTITUDE TOWARDS ENTREPRENEURSHIP

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SREEPRIYA SREEKUMAR

(Reg. No: SHATBCM019)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 -2022

A STUDY ON PREFERENCE AND PERCEPTION OF STUDENTS TOWARDS ONLINE LEARNING DURING COVID-19 PANDEMIC WITH SPECIAL REFERENCE TO STUDENTS UPTO HIGHER SECONDARY LEVEL

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ADHITHYA.T.S

(Reg. No:SHATBCM021)

Under the supervision of

Ms. KEERTHANA.T.U

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

MARCH 2022

"A STUDY OF KERALA KHADI AND VILLAGE INDUSTRY IN ALATHUR, KUTTIKAD, MECHIRA, POOLANI IN THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

BY

AISWARYA K.M

(Reg No: SHATBCM022)

Under the supervision of

Ms. SHINU JOY

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "INVESTMENT BEHAVIOUR AMONG WOMEN"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

AKHILA KM

(Reg. No: SHATBCM023)

Under the supervision of

Ms. REVATHY M S



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON EMPLOYEES JOB SATISFACTION ON JJ ORTHODONTICS PVT. LTD., MUNIPPARA"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

AMITHA BABU C

(Reg. No:SHATBCM024)

Under the supervision of

Ms. NAYANA SREEDHARAN

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON STRESS AMONG FEMALE NURSES IN PRIVATE HOSPITAL WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY.

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

Name in block letters and bold

(Reg. No: SHATBCM025)

Under the supervision of

Ms. ANJU P.A



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON " PERFORMANCE AND JOB SATISFACTION OF ANGANWADI WORKERS WITH SPECIAL REFERENCE TO MALA PROJECT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANAKHA ANTO

(Reg No : SHATBCM026)

Under the supervision of

Ms. FARSANA PM



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON "ATTITUDE TOWARDS MENSTRUAL HYGIENE PRODUCTS AMOUNG COLLEGE STUDENTS"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANJANA JOSE

(Reg. No: SHATBCM027)

Under the supervision of

Ms. DIVYA RAJAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON THE ATTITUDE OF STUDENTS TOWARDS PART-TIME JOB ALONG WITH EDUCATION"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANN MARIYA ANTO

(SHATBCM028)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "CUSTOMER SATISFACTION TOWARDS WIRELESS BROADBAND SERVICES WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY IN THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANNMARIYA C T

(Reg. No: SHATBC M029)

Under the supervision of

Mrs. AGNA ANTO

POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON PROBLEMS OF FEMALE EMPLOYEES IN TEXTILE SHOPSWITH SPECIAL REFERENCE TO CHALAKUDY TOWN

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANNMARIYA PAULY

(Reg. No: SHATBCM030)

Under the supervision of

Ms. KEERTHANA T.U

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE CHALAKUDY

UNIVERSITY OF CALICUT

March 2022

A STUDY ON CUSTOMER AWARENESS AND SATISFACTION TOWARDS HEALTH INSURANCE WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANNPRIYA ANTO

(Reg. No: SHATBCM031)

Under the supervision of

Ms. SRUTHY P.K

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON IMPACT OF MONETARY INCENTIVES ON EMPLOYEES PERFORMANCE IN A PRIVATE SECTOR BANK, CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANN THOMAS

(SHATBCM032)

Under the supervision of

Ms. SRUTHY P.K



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "INVESTMENT PREFERENCE OF SALARIED EMPLOYEES WITH SPECIAL REFERENCE TO TEACHERS OF THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

ANU DAVIS

(Reg. No: SHATBCM033)

Under the supervision of

Ms. SRUTHY P.K



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "AWARENESS OF COLLEGE STUDENTS TOWARDS ENTREPRENERSHIP PROGRAM WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE IN CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

APARNA.T.S

(Reg. No: SHATBCM034)

Under the supervision of

Mrs. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "INFLUENCE OF DIGITAL MARKETING IN BUYING BEHAVIOUR OF CONSUMER'S TOWARDS TEXTILE PRODUCTS"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ASWATHI RAJU

(Reg. No: SHATBCM035)

Under the supervision of

Mrs. FARSANA P.M



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON THE IMPACT OF COVID 19 ON EMIGRANTS WITH SPECIAL REFERENCE TO THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ATHIRA C.S

(Reg. No: SHATBCM036)

Under the supervision of

Ms. DIVYA RAJAN

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

'A Comparitive Study On Customer Preference For Petrol And Diesel Cars In Chalakudy Municipality'

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ATHIRA K S

(Reg. No: SHATBCMO37)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON "EFFECTIVENESS OF ONLINE ADVERTISEMENT IN BUILDING BRAND AWARENESS OF KENTUCKY FRIED CHICKEN AMONG YOUNGSTERS"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

FATHIMA ROONA K.A.

(Reg. No: SHATBCM038)

Under the supervision of

Ms. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

PANCHAYATH"

[illegible]

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

FEBA ANTO

(Reg. No: SHATBCM039)

Under the supervision of

Ms. SRUTHY P.K



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

'A STUDY ON ATTITUDE OF PEOPLE TOWARDS PURCHASE OF ELECTRIC AND NON-ELECTRIC TWO WHEELERS'

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

GOPIKA S MENON

(Reg. No: SHATBCM040)

Under the supervision of

Ms. SHINU JOY

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-22

A STUDY ON "EMPLOYEE SATISFACTION OF COIR WORKERS AT ALAPPUZHA"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

JAYALAKSHMI M.J.

(Reg. No: SHATBCM041)

Under the supervision of

Ms. REVATHY M.S.



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY ON IMPACT OF PRICE HIKE IN LPG CYLINDERS ON HOUSEHOLD CONSUMERS WITH SPECIAL REFERENCE TO KORATTYGRAMA PANCHAYAT

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

LIYA DENNY

(Reg. No: SHATBCM043)

Under the supervision of

Ms. ANCHU K. S



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON INFLUENCE OF ADVERTISEMENT IN CONSUMER BRAND PREFERENCE TOWARDS SOFT DRINKS (WITH SPECIAL REFERENCE TO 9TH WARD OF MELOOR GRAMA PANCHAYATH)

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MANJU M.C

(Reg. No: SHATBCM044)

Under the supervision of

Ms. FARSANA PM

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019- 2022

A STUDY ON ONLINE BUYING BEHAVIOUR OF WORKING WOMEN TOWARDS APPARELS

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MEGHA P S

SHATBCM045

Under the supervision of

Ms. DIVYA RAJAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON " BRAND LOYALTY IN YOUNGSTERS FOR CLOTHING IN COLLEGE STUDENTS WITH SPECIAL REGFERENCE TO CHALAKUDY MUNICIPALITY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

MITHU DAVIS
(Reg. No: SHATBCM046)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019 - 2022

A STUDY ON CONSUMER PREFERENCE TOWARDS OTT PLATFORMS AMONG YOUNGSTERS WITH SPECIAL REFERENCE TO ANNANAD, CHALAKUDY

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

NIMA BABU

(Reg. No: SHATBCM048)

Under the supervision of

Mrs. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

"A STUDY ON STUDENTS BUYING BEHAVIOUR INFLUENCED BY SOCIAL MEDIA ADVERTISEMENT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

RIMSHITHA.T.R.

(Reg. No: SHATBCM049)

Under the supervision of

Ms. NAYANA SREEDHARAN



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2019-2022

A STUDY "ON CUSTOMER SATISFACTION TOWARDS FEDERAL BANK SERVICES WITH SPECIAL REFERENCE TO KODAKARA GRAMA PANCHAYATH"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ROSEMIN VJ

(Reg. No: SHATBCM050)

Under the supervision of

Mrs. DIVYA RAJAN

POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "JOB SATISFACTION OF WORK AT HOME EMPLOYEES DURING COVID 19 PANDEMIC WITH SPECIAL REFERENCE TO MELOOR GRAMA PANCHAYATH"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SAYOOJYA SKARIYA

(Reg. No:SHATBCM051)

Under the supervision of

Ms. FARSANA P.M

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "CUSTOMER SATISFATION TOWARDS DAIRY PRODUCTS"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SONA GIGY

(Reg. No:SHATBCM052)

Under the supervision of

Ms. Anchu K S

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON THE INFLUENCE OF MASS MEDIA ON FASHION ADOPTION AMONG YOUTH

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

SONA PB

(Reg. No: SHATBCM053)

Under the supervision of

Mrs. ANJU P A

POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "INVESTMENT PREFERENCE OF SALARIED EMPLOYEES WITH SPECIAL REFERENCE TO TEACHERS OF THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

ANU DAVIS

(Reg. No: SHATBCM033)

Under the supervision of

Ms. SRUTHY P.K



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "CUSTOMER SATISFACTION TOWARDS WIRELESS BROADBAND SERVICES WITH SPECIAL REFERENCE TO CHALAKUDY MUNICIPALITY IN THRISSUR DISTRICT"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

ANNMARIYA C T

(Reg. No: SHATBC M029)

Under the supervision of

Mrs. AGNA ANTO

POST GRADUATE DEPARTMENT OF COMMERCE& MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON IMPULSE BUYING BEHAVIOUR OF CONSUMERS IN SUPERMARKETS

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

NANDHANA T S

(Reg. No:SHATBCM047)

Under the supervision of

Ms. AGNA C ANTO

POST GRADUATE DEPARTMENT OF

COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

A STUDY ON "AWARENESS OF COLLEGE STUDENTS TOWARDS ENTREPRENERSHIP PROGRAM WITH SPECIAL REFERENCE TO SACRED HEART COLLEGE IN CHALAKUDY"

Project report submitted to

UNIVERSITY OF CALICUT

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

BACHELOR OF COMMERCE

By

APARNA.T.S

(Reg. No: SHATBCM034)

Under the supervision of

Mrs. AGNA ANTO



POST GRADUATE DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

SACRED HEART COLLEGE, CHALAKUDY

UNIVERSITY OF CALICUT

2022

SACRED HEART COLLEGE CHALAKUDY

DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled **"LATTICE THEORY"** that is being submitted by **FARSANA NAZEER. Reg. No. SHATSMT003**, in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

Asst. Prof. Ms. Smitha Davis

Head of the Department

26/4/2022

Ms. Nima Maria

Project Guide

External Examiner:

Ms. Rachel Paul
Assistant Professor
Department of Mathematics
Carmel College, Mala
Thrissur - 680732

SACRED HEART COLLEGE CHALAKUDY

DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that this project report entitled **"FORMAL LANGUAGES AND AUTOMATA"** that is being submitted by **CHRISTY ROSE REG. NO. SHATSMT005,** in partial fulfillment of the requirement for the degree of Bachelor of Science in Mathematics, to the University of Calicut, is bona fide record of the studies carried out by her under my supervision and guidance. This project has not been submitted anywhere for any other degree of any other university.

Asst. Prof. Ms. Smitha Davis

Head of the Department

Ms. Anjana Rajan

Project Guide

External Examinar