



CRITERION 1

CURRICULAR ASPECTS

1.3.2: Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

ST.MARY'S COLLEGE
SULTHAN BATHERY,
WAYANAD, KERALA-673592

**A STUDY ABOUT IMPACT OF COVID ON
RESTAURANT BUSINESS WITH SPECIAL
REFERENCE TO SULTHAN BATHERY
MUNICIPALITY**

PROJECT REPORT

Submitted to the University of Calicut

In partial fulfillment of the requirements for the Award of the

Degree of

BACHELOR OF COMMERCE

Submitted by

DILNA DINESH

Reg. NoSMATBCM091

Under the Guidance of

Mrs.JISHA T P

(Asst. Professor, Research Department of Commerce and Management
Studies, St. Mary's College, Sulthan Bathery)



2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES
ST.MARY'S COLLEGE, SULTHAN BATHERY**

**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ABOUT THE IMPACT OF COVID ON RESTAURANT BUSINESS WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of commerce is a record of the original work done by **DILNA DINESH** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/ fellowship or similar title to any candidate of the university.

Mrs. JISHA TP

Assistant professor

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St. Marys College

Sulthan Batheray

Mr. WILSON M.A

Head of the Department of

Department of Commerce &

Management Studies

St. Marys College

Sulthan Batheray

**A COMPARITIVE STUDY ON BRAND AWARENESS
AMOUNG YOUTH IN URBAN AND RURAL AREA**

PROJECT REPORT

Submitted to the University of Calicut
In partial fulfillment of the requirements for the Award of the
Degree of
BACHELOR OF COMMERCE

Submitted by

JOSNA P D

. Reg. No. SMATBCM093

Under the Guidance of

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2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
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ST.MARY'S COLLEGE, SULTHAN BATHERY**

**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A COMPARITIVE STUDY ON BRAND AWARENESS AMOUNG YOUTH IN URBAN AND RURAL AREA**” submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of commerce is a record of the original work done by **JOSNA P D** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/ fellowship or similar title to any candidate of the university.

Mrs. JISHA TP

Assistant professor

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St. Mary's College

Sulthan Batheray

Mr. WILSON M.A

Head of the Department of

Department of Commerce &

Management Studies

St. Mary's College

Sulthan Batheray



**“A STUDY ON STRESS MANAGEMENT AMONG PRIVATE SECTOR
NURSES WITH SPECIAL REFERENCE TO IQRAA HOSPITAL”**

PROJECT REPORT

Submitted to the University of Calicut

**In partial fulfillment of the requirements for the Award of the
Degree of BACHELOR OF COMMERCE**

Submitted by

JITHU SASI

Reg. No SMATBCM113

Under the Guidance of

Mrs. LINJIYA S

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St. Mary's College, Sulthan Bathery)



2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES ST.MARY'S COLLEGE,
SULTHAN BATHERY**

ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON STRESS MANAGEMENT AMONG PRIVATE SECTOR NURSES WITH SPECIAL REFERENCE TO IQRAA HOSPITAL**” submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce is a record of the original work done by **JITHU SASI** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of the university.

Mrs. LINJIYA S

Assistant Professor

Research Department of

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Mr. WILSON M.A

Head of the Department

Research Department of

Commerce and

Management Studies



**“A STUDY ON THE IMPACT OF COVID-19 IN TOURISM SECTOR
WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”**

PROJECT REPORT

Submitted to the University of Calicut

In partial fulfillment of the requirements for the Award of the

Degree of BACHELOR OF COMMERCE

Submitted by

SARATH K RAJ

Reg. No SMATBCM118

Under the Guidance of

Dr. ARUN KUMAR T T

(Asst. Professor, Research Department of Commerce and Management Studies,
St. Mary's College, Sulthan Bathery)



2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES ST.MARY'S COLLEGE,
SULTHAN BATHERY**

ST. MARY'S COLLEGE

SULTHAN BATHERY

WAYANAD



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON THE IMPACT OF COVID-19 IN TOURISM SECTOR WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”** submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce is a record of the original work done by **SARATH K RAJ** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of the university.


DR. ARUN KUMAR T T

Assistant Professor

Research Department of

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Mr. WILSON M.A

Head of the Department

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Commerce and

Management Studies

**“A STUDY ON THE RISE OF DEMAND FOR ELECTRONIC
GADGETS AND IT’S IMPACT DURING LOCKDOWN WITH SPECIAL
REFERENCE TO SULTHAN BATHERY MUNICIPALITY”**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfillment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

Submitted By

ANJANA K THOMAS

Reg.No. SMATBCM084

Under the supervision of

Dr. BALAKRISHNAN

**(Assistant professor PG & Research Department of commerce and Management
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ESTD. IN 1965

2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND MANAGEMENT
STUDIES**

ST. MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

**RESEARCH DEPARTMENT OF COMMERCE
AND MANAGEMENT STUDIES
ST MARY'S COLLEGE, SULTHAN BATHERY**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON THE RISE OF DEMAND FOR ELECTRONIC GADGETS AND IT’S IMPACT DURING LOCKDOWN WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ANJANA K THOMAS** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Dr. BALAKRISHNAN

Assistant Professor

Dept of commerce

St.Mary's college


Mr. WILSON M A

Assistant Professor

Dept of commerce

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**“A STUDY ON THE UPI BASED PAYMENT APPLICATIONS IN
CUSTOMERS WITH SPECIAL REFERENCE TO SULTHAN
BATHERY MUNICIPALITY”**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfillment for the
Requirements for the award of the Degree of**

BACHELOR OF COMMERCE

Submitted By

ASHA KRISHNAN

Reg.No. SMATBCM088

Under the supervision of

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**(Assistant professor PG & Research Department of commerce and
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2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND MANAGEMENT
STUDIES**

ST. MARY'S COLLEGE, SULTHAN BATHERY

(NAAC Re –accredited With 'A' Grade)

**ST MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON THE UPI BASED PAYMENT APPLICATIONS IN CUSTOMERS WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ASHA KRISHNAN** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

JINTU P G

Assistant professor
Dept. of Commerce
St. Mary's college

Mr. WILSON M A

Head of the Department
Research Dept of Commerce
and Management studies
St. Mary's college



**A STUDY ON CHALLENGES FACED BY WOMEN ENTREPRENEURS
AND WILLINGNESS OF WOMEN TO BECOME AN ENTREPRENEUR
WITH SPECIAL REFERENCE TO SULTHAN BATHERY
MUNICIPALITY**

PROJECT REPORT

Submitted to the University of Calicut

In partial fulfilment of the requirements for the Award of the

Degree of BACHELOR OF COMMERCE

Submitted by

DRISHYA K S

Reg.No. SMATBCM092

Under the Guidance of

JINTU P G

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2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES**

ST.MARY'S COLLEGE, SULTHAN BATHERY

**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON CHALLENGES FACED BY WOMEN ENTREPRENEURS AND WILLINGNESS OF WOMEN TO BECOME AN ENTREPRENEUR WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce is a record of the original work done by **DRISHYA K S** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of the university.

JINTU P G 
Assistant Professor

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Management Studies

Mr. WILSON M.A
Head of the Department

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Management Studies



**A COMPARITIVE STUDY ON BRAND AWARENESS
AMOUNG YOUTH IN URBAN AND RURAL AREA**

PROJECT REPORT

*Submitted to the University of Calicut
In partial fulfillment of the requirements for the Award of the
Degree of*

BACHELOR OF COMMERCE

Submitted by

VYSHAKH P K

Reg. No. SMATBCM121

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Mrs. JISHA T P

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2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES**

ST.MARY'S COLLEGE, SULTHAN BATHERY

**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A COMPARITIVE STUDY ON BRAND AWARENESS AMOUNG YOUTH IN URBAN AND RURAL AREA**” submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of commerce is a record of the original work done by **VYSHAKH P K** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/ fellowship or similar title to any candidate of the university.

Mrs. JISHA TP

Assistant professor

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Sulthan Bathery

Mr. WILSON M.A

Head of the Department of

Department of Commerce &

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St. Mary's College

Sulthan Bathery



**A STUDY ON FINANCIAL LITERACY AMONG TRIBAL
PEOPLE A SPECIAL REFERENCE TO VENGAPALLY
PANCHAYATH**

PROJECT REPORT

Submitted to the University of Calicut

In partial fulfillment of the requirements for the Award of the

Degree of

BACHELOR OF COMMERCE

Submitted by

ABIN VARGHESE

Reg. No. SMATBCM106

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2019-2022


**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES
ST. MARY'S COLLEGE, SULTHAN BATHERY**


**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON FINANCIAL LITERACY AMONG TRIBAL PEOPLE A SPECIAL REFERENCE TO VENGAPALLY PANCHAYATH** ” submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of commerce is a record of the original work done by **ABIN VARGHESE** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/ fellowship or similar title to any candidate of the university.


Mrs. DIVYA V P
Assistant professor
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St. Marys College
Sulthan Bathy


Mr. WILSON M.A
Head of the Department of
Department of Commerce &
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St. Marys College
Sulthan Bathy



**A STUDY ON IMPACT OF SOCIAL MEDIA ADVERTISING ON
CONSUMER BUYING BEHAVIOUR IN WAYANAD DISTRICT**

PROJECT REPORT

Submitted to the University of Calicut

In partial fulfillment of the requirements for the Award of the

Degree of

BACHELOR OF COMMERCE

Submitted by

ANANDHU VIJAYAN

Reg. No SMATBCM109

Under the Guidance of

Mrs. APARNA S S

(Asst. Professor, Research Department of Commerce and Management Studies,
St. Mary's College, Sulthan Bathery)



2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES**

ST.MARY'S COLLEGE, SULTHAN BATHERY

ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON IMPACT OF SOCIAL MEDIA ADVERISING ON CONSUMER BUYING BEHAVIOUR IN WAYANAD DISTRICT**” submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce is a record of the original work done by **ANANDHU VIJAYAN** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of the university.

Mrs. APARNA S S

Assistant Professor

Research Department of Commerce and

Management Studies

Mr. WILSON M.A

Head of the Department

Research Department of Commerce and

Management Studies



**A STUDY ON CUSTOMERS PERCEPTION TOWARDS
POST OFFICE SAVINGS SCHEME WITH SPECIAL
REFERENCE MEENANGADI GRAMA PANCHAYAT**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
AMAYA DONY
Reg. No.SMATBCM080**

**Under the supervision of
Mr.WILSON M A**

**(Research Department of Commerce and Management studies, St. Mary's College,
Sulthan Bathery)**



2019-2022

**RESEARCH DEPARTMENT OF COMMERCE
AND MANAGEMENT STUDIES**

**ST. MARY'S COLLEGE
SULTHAN BATHERY**

(NAAC Re –accredited With 'A' Grade)

**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON CUSTOMERS PERCEPTION TOWARDS POST OFFICE SAVINGS SCHEME WITH SPECIAL REFERENCE MEENANGADI GRAMA PANCHAYAT**” submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **AMAYA DONY** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. WILSON M A
Assistant Professor
Research Department of Commerce
and Management studies
St. Mary's College
Sulthan Batherly

Mr. WILSON M A
H.O.D
Research Department of Commerce
and Management studies
St. Mary's College
Sulthan Batherly

Place:

Date

**“IMPACT OF ADVERTISEMENT ON BUY BEHAVIOUR
OF COLLEGE STUDENTS WITH SPECIAL
REFERENCE TO ST.MARY’S COLLEGE ”**

PROJECT REPORT

Submitted in partial fulfillment of the requirements of the award of
degree of

BACHELOR OF COMMERCE

Submitted by

AMRA JAFAR

Reg. No. SMATBBAR09

Under the guidance of

DR.ARUNKUMAR T T

(PG Dept. of Commerce, St. Mary’s College, Sulthan Bathery)

UNIVERSITY OF CALICUT



PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE,

SULTHAN BATHERY, WAYANAD, KERALA

(NAAC Re-accredited with 'A' Grade)

2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD-673592**



CERTIFICATE

This is to certify that the project work entitled **“IMPACT OF ADVERTISEMENT ON BUY BEHAVIOUR OF COLLEGE STUDENTS WITH SPECIAL REFERENCE TO ST.MARY’S COLLEGE”** submitted to Calicut university in partial fulfillment of the award of bachelors of commerce is a record of the original work done by **AMRA JAFAR** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Dr.ARUNKUMAR T T
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Dept. of Commerce
St mary's College
Sulthan Bathery

Asst.Prof.WILSON M A
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St.Mary's College
Sulthan Bathery

**“A STUDY ON THE RISE OF DEMAND FOR ELECTRONIC
GADGETS AND IT’S IMPACT DURING LOCKDOWN WITH SPECIAL
REFERENCE TO SULTHAN BATHERY MUNICIPALITY”**

PROJECT REPORT

Submitted to the Calicut University in partial fulfillment for the

Requirements for the award of the Degree of

BACHELOR OF COMMERCE

Submitted By

DARSANA CHANDRAN

Reg.No. SMATBCM066

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**(Assistant professor PG & Research Department of commerce and Management
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ESTD. IN 1965

2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND MANAGEMENT
STUDIES**

ST. MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

**RESEARCH DEPARTMENT OF COMMERCE
AND MANAGEMENT STUDIES
ST MARY'S COLLEGE, SULTHAN BATHERY**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON THE RISE OF DEMAND FOR ELECTRONIC GADGETS AND IT’S IMPACT DURING LOCKDOWNWITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **DARSANA CHANDRAN** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.



Dr. BALAKRISHNAN

Assistant Professor

Dept of commerce

St.Mary's college



Mr. WILSON M A

Assistant Professor

Dept of commerce

St.Mary's college

**“A STUDY ON THE IMPACT OF COVID-19 IN TOURISM SECTOR
WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”**

PROJECT REPORT

Submitted to the University of Calicut

**In partial fulfillment of the requirements for the Award of the
Degree of BACHELOR OF COMMERCE**

Submitted by

ASWATHY NAIR

Reg. No SMATBCM065

Under the Guidance of

Dr. ARUN KUMAR T T

(Asst. Professor, Research Department of Commerce and Management Studies,
St. Mary's College, Sulthan Bathery)



2019-2022

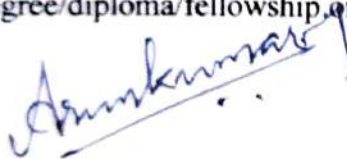
**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES ST.MARY'S COLLEGE,
SULTHAN BATHERY**


**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON THE IMPACT OF COVID-19 IN TOURISM SECTOR WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”** submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce is a record of the original work done by **ASWATHY NAIR** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of the university.


Dr. ARUN KUMAR T T
Assistant Professor
Research Department of
Commerce and
Management Studies


Mr. WILSON M.A
Head of the Department
Research Department of
Commerce and
Management Studies



**A STUDY ON TEXTILE SHOPS DURING COVID PANDEMIC
FROM THE PERSPECTIVE OF SHOP OWNERS WITH SPECIAL
REFERENCE TO SULTHAN BATHERY TALUK**

PROJECT REPORT

Submitted to the University of Calicut

In partial fulfillment of the requirements for the Award of the

Degree of BACHELOR OF COMMERCE

Submitted by

ASWATHY BIJU

Reg. No SMATBCM064

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JINTU PG

(Asst. Professor, Research Department of Commerce and Management Studies,
St. Mary's College, Sulthan Bathery)



2019-2022

**RESEARCH DEPARTMENT OF COMMERCE AND
MANAGEMENT STUDIES**

ST.MARY'S COLLEGE, SULTHAN BATHERY

**ST. MARY'S COLLEGE
SULTHAN BATHERY
WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON TEXTILE SHOPS DURING COVID PANDEMIC FROM THE PERSPECTIVE OF SHOP OWNERS WITH SPECIAL REFERENCE TO SULTHAN BATHERY TALUK”** submitted to Calicut University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce is a record of the original work done by **ASWATHY BIJU** under my supervision and guidance and that this project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of the university.


30/3/22

Mrs. JINTU PG

Assistant Professor

Research Department of Commerce and

Management Studies



Mr. WILSON MA

Head of the Department

Research Department of

Commerce and Management Studies

**“A STUDY ON THE ROLE OF AKSHAYA IN E-
GOVERNANCE WITH SPECIAL REFERENCE TO
SULTHAN BATHERY MUNICIPALITY”**

PROJECT REPORT

Submitted by

GOPIKA R

Reg No. SMATBCM013

Under the guidance of

Mrs. DHILSHA P D

**(Asst. professor PG Dept. of Commerce, St. Mary's College, Sulthan
Bathery)**



ESTD. IN 1965

2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

(NAAC Re-accredited with 'A' Grade)

SULTHAN BATHERY, WAYANAD

SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON THE ROLE OF AKSHAYA IN E-GOVERNANCE WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **GOPIKA R** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D

Assistant Professor

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Sulthan Bathery

Mrs. ANU M P

H.O.D

Dept. of Commerce

St. Mary's College

Sulthan Bathery

Place: Sulthan Bathery

Date 28/03/2022

**A STUDY ON BUYING BEHAVIOUR OF YOUTH
TOWARDS MOBILEPHONE WITH SPECIAL REFERENCE
TO KOTTIYOOR PANCHAYATH**

PROJECT REPORT

Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE

Submitted By

ATHUL JOHN

Reg. No. SMATBCM036

Under the supervision of

Ms.CHIPPY SURENDRAN

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

(NAAC Re –accredited With 'A' Grade)

SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON BUYING BEHAVIOUR OF YOUTH TOWARDS MOBILEPHONE WITH SPECIAL REFERENCE TO KOTTIYOOR PANCHAYATH”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ATHUL JOHN** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Ms. CHIPPY SURENDRAN

Assistant Professor
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Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathy

Place: Sulthan Bathy

Date 28/03/2022



**“A STUDY ON ONLINE PURCHASING BEHAVIOUR OF
WOMEN WITH SPECIAL REFERENCE TO
WAYANAD”**

PROJECT REPORT

Submitted to University of Calicut In Partial Fulfillment for The Award of The
Degree of

BACHLOR OF COMMERCE

SUBMITTED BY

**PRABIN KUMAR M P
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UNDER THE GUIDANCE OF

Ms. AMRUTHAMBIKA N K

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ESTD. IN 1965

2019 - 2022

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
(NACC Re – accredited with 'A' Grade)
SULTHAN BATHERY**

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE**



This is to certify that the project work entitled **A STUDY ON ONLINE PURCHASING BEHAVIOUR OF WOMEN WITH SPECIAL REFERENCE TO WAYANAD** submitted to Calicut university in partial fulfillment of the requirement for the award of bachelor of commerce is a record of the original work done by **PRABIN KUMAR M P** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Ms. AMRUTHAMBIKA N K

Assistant professor

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St. Mary's College

Sulthan Bathery

**“A STUDY ON IMPACT OF COVID 19 ON RETAIL SECTOR
WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”**

PROJECT REPORT

Submitted in partial fulfillment of the requirements of the award of
degree of

BACHELOR OF COMMERCE

Submitted by

BAHANAN BIJU

Reg. No. SMATBCM038

Under the guidance of
Asst. prof. STEPHY MARIA THOMAS

(PG Dept. of Commerce, St. Mary's College, Sulthan Bathery)

UNIVERSITY OF CALICUT



ESTD. IN 1965

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE,

SULTHAN BATHERY, WAYANAD, KERALA

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2019-2022



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD-673592**



CERTIFICATE

This is to certify that the project work entitled “**A STUDY ON IMPACT OF COVID 19 ON RETAIL SECTOR WITH SPECIAL REFERENCE TO WAYANAD DISTRICT**” submitted to Calicut university in partial fulfillment of the award of bachelors of commerce is a record of the original work done by **BAHANAN BIJU** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS
Assistant professor
Dept. of Commerce
St mary's College
Sulthan Bathery

Mrs. Anu M P
H.O.D
Dept. of Commerce
St.Mary's College
Sulthan Bathery

**A STUDY ON THE HOUSEHOLDS WASTE
MANAGEMENT IN SURROUNDING AREA OF
SULTHAN BATHERY MUNICIPALITY**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
HRIDIN P RAJ
Reg. No. SMATBCM039**

**Under the supervision of
Ms. CHIPPY SURENDRAN
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**



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2019-2022

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ST. MARY'S COLLEGE

SULTHAN BATHERY

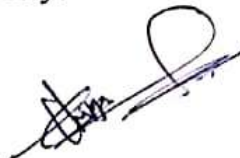
(NAAC Re -accredited With 'A' Grade)

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON THE HOUSEHOLDS WASTE MANAGEMENT IN SURROUNDING AREA OF SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **HRIDIN P RAJ** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Ms. CHIPPY SURENDRAN

Assistant Professor
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Sulthan Bathery


Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: Sulthan Bathery

Date 28/03/2022



**“ A STUDY ON THE USAGE OF PLASTIC CARDS AMONG
GOVERNMENT EMPLOYEES WITH THE SPECIAL
REFERENCE SULTHAN BATHERY THALUK”**

PROJECT REPORT

*Submitted to the University of Calicut in partial fulfillment
for the award of the degree of the*

BACHELOR OF COMMERCE

Submitted by

RAHUL K P

Reg. No. SMATBCM057

Under the guidance of

Asst. prof. SOPHIYA GEORGE

(PG Department of Commerce, St Mary's College, Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE SULTHAN BATHERY

(NAAC Re- accredited With 'A' Grade)

**ST MARY'S COLLEGE
WAYANAD**



CERTIFICATE

This is to certify that the project Work entitled with **A STUDY ON THE USAGE OF PLASTIC CARDS AMONG GOVERNMENT EMPLOYEES WITH THE SPECIAL REFERENCE SULTHAN BATTERY THALUK** Submitted to Calicut University partial fulfillment of the requirement for the award of the Degree of Bachelor of Commerce is a record of the original work done by **RAHUL K P** Under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. SOPHIYA GEORGE

Assistant professor

PG Dept. of Commerce

St Mary's College

Sulthan Battery

Mrs. ANU MP

Head of the Department

PG Dept. Of Commerce

St Mary's College

SulthanBathery

**"PROBLEMS AND PROSPECTUS OF POST OFFICE
SAVINGS SCHEMES WITH SPECIAL REFERENCE TO
MANANDHAVADI MUNICIPALITY"**

PROJECT REPORT

**Submitted to University of Calicut in partial fulfillment for the
award of degree of**

BACHELOR OF COMMERCE

Submitted by

MUHAMMED ASHIQUE N A

Reg.No.SMATBCM043

Under the guidance of

Asst. Prof. AMRUTHABMIKA N K

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ESTD. IN 1965

2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE

(NAAC Re-accredited with 'A' Grade)

SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“PROBLEMS AND PROSPECTUS OF POST OFFICE SAVINGS SCHEMES WITH SPECIAL REFERENCE TO MANANDHAVADI MUNICIPALITY”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of original work done by **MUHAMMED ASHIQUE N A** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Amruthambika

Mrs. AMRUTHAMBIKA N K
Assistant professor
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ANU M P

Mrs. ANU M P
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PG Dept. of Commerce
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Sulthan Bathery

Place : Sulthan Bathery
Date : 28/03/2022

Amruthambika

**A COMPARATIVE STUDY ON BSNL AND VODAFONE IDEA
CONSUMER SATISFACTION WITH SPECIAL REFERENCE
TO SULTHAN BATHERY THALUK WAYANAD**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of the degree of

BACHELOR OF COMMERCE

Submitted by

MUHAMMED JASIM

Reg. no: SMATBCM046

Under the guidance of

Mr. ANUROOP A.R

(Asst. Professor Dept. Of Commerce, St. Mary's College, Sulthan Bathery)



2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
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SULTHAN BATHERY, WAYANAD**

**PG DEPARTMENT OF COMMERCE
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SULTHAN BATHERY, WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with **“A COMPARITIVE STUDY ON BSNL AND VI CONSUMERS SATISFACTION WITH SPECIAL REFERENCE TO SULTAN BATHERY TALUK, WAYANAD”** submitted to Calicut university in partial fulfillment of the award of Bachelor of commerce is a bonafied record of the original work done by MUHAMMED JASIM under my supervision and guidance and that the project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A.R

Assistant professor
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Mrs. ANU M.P

Head of the Department
PG Department of Commerce
St Mary's college
Sulthan Bathery

**A STUDY ON CONSUMER SATISFACTION TOWARDS
TOYOTA INNOVA CARS WITH SPECIAL REFERENCE
TO SULTHAN BATHERY TALUK, WAYANAD**

PROJECT REPORT

Submitted to university of Calicut in partial fulfillment for the award of the degree of
BACHELOR OF COMMERCE

Submitted by

MUHAMMED SHAHEEM
Reg. No: SMATBCM049

Under the guidance of

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2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

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SULTHAN BATHERY

WAYANAD

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

WAYANAD-673592



CERTIFICATE

This is to certify that the project work entitled with **A STUDY ON CONSUMER SATISFACTION TOWARDS TOYOTA INNOVA CARS WITH SPECIAL REFERENCE TO SULTHAN BATHERY TALUK, WAYANAD** submitted to Calicut University in partial fulfillment of the award of Bachelor of commerce is a record of the original work done by **MUHAMMED SHAHEEM** under my supervision and guidance and that the project work has not formed the basis for the award of any degree/ diploma/ fellowship or similar title to any candidate of the university.

Mr. ANUROOP A.R

Assistant professor
PG Department of Commerce
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Sulthan Bathery

Mrs. ANU M.P

Head of the Department
PG Department commerce
St. Mary's College
Sulthan Bathery

**“A STUDY ON THE ATTITUDE OF COLLEGE TEACHERS
TOWARDS ICT USAGE WITH SPECIAL REFERENCE TO
WAYANAD DISTRICT”**

PROJECT REPORT

**Submitted to University of Calicut in partial fulfillment for the award of
degree of**

BACHELOR OF COMMERCE

Submitted by

SHILPA U

Reg.No.SMATBCM020

Under the guidance of

Asst. Prof. AMRUTHAMBIKA N K

(PG Dept. of Commerce, St Mary's College, Sulthan Bathery)



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PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE

(NAAC Re-accredited with 'A' Grade)

SULTHAN BATHERY, WAYANAD



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON THE ATTITUDE OF COLLEGE TEACHERS TOWARDS ICT USAGE WITH SPECIAL REFERENCE TO WAYANAD DISTRICT" submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of original work done by SHILPA U under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. AMRUTHAMBIKA N K
Assistant professor
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

Mrs. ANU M P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

**A STUDY ON PROBLEMS AND CHALLENGES FACED BY
THE TEXTILES INDUSTRY DURING THE COVID – 19 PERIOD
WITH SPECIAL REFERENCE TO WAYANAD DISTRICT**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of the degree of

BACHELOR OF COMMERCE

Submitted by

ALEX JOSHY

Reg. no: SMATBCM030

Under the guidance of

Mrs. DHILSHA P D

(Asst. Professor Dept. Of Commerce, St. Mary's College, Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE

(NAAC Re-accredited with 'A' Grade)

SULTHAN BATHERY, WAYANAD



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON PROBLEMS AND CHALLENGES FACED BY THE TEXTILES INDUSTRY DURING THE COVID - 19 PERIOD WITH SPECIAL REFERENCE TO WAYANAD DISTRICT " submitted to Calicut university in partial fulfillment of the award of Bachelor of commerce is a bonafide record of the original work done by ALEX JOSHY under my supervision and guidance and that the project work has not formed the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D

Assistant professor
PG Department of Commerce
St Mary's college
Sulthan Bathery

Mrs. ANU M.P

Head of the Department
PG Department of Commerce
St Mary's college
Sulthan Bathery

Place: Sulthan Bathery

Date: 28/03/2022

Amela

**“SATISFACTION OF EMPLOYEES IN KSEB: A SPECIAL
REFERENCE TO SULTHAN BATHERY MUNICIPALITY”**

PROJECT REPORT

Submitted by

AFSAL RAHMAN

Reg. No. SMATBCM026

Under the guidance of

Mrs. SOPHIYA GEORGE

(Assistant professor, Dept. of Commerce, St. Mary's College, Sulthan Bathery)

*Submitted in partial fulfillment of the requirements of the award of the
degree of*

**BACHELOR OF COMMERCE
UNIVERSITY OF CALICUT**



**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE,
SULTHAN BATHERY, WAYANAD, KERALA
(NAAC Re-accredited with 'A' Grade)**

2019-2022



P G DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **"SATISFACTION OF EMPLOYEES IN KSEB: A SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY"** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Business Administration is a record of the original work done by **AFSAL RAHMAN** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.



MRS. SOPHIYA GEORGE

Assistant professor

Dept. of Commerce

St. Mary's college



MRS. ANU M P

HOD

Dept of commerce

St. Mary's college

Place: Sulthan Bathery

Date: 28/03/2022



**A STUDY ON THE INFLUENCE OF KUDUMBAREE UNIT ON
WOMEN EMPOWERMENT WITH SPECIAL REFERENCE TO
SULTHAN BATHERY**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of degree of

BACHELOR OF COMMERCE

Submitted by

ALAN A R

Reg.No.SMATBCM028

Under the guidance of

Mrs ANU M P

(PG Department of commerce, St. Mary's college, Sulthan Bathery)



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ST. MARY'S COLLEGE

(NAAC Re-accredited with 'A' Grade)



SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON THE INFLUENCE OF KUDUMBAREE UNIT ON WOMEN EMPOWERMENT WITH SPECIAL REFERENCE TO SULTHAN BATHERY" submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by ALAN A R under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs ANU MP

Assistant Professor
PG Dept. of commerce
St. mary's college
Sulthan Bathery

Mrs ANU MP

H.O.D
PG Dept.of commerce
St. mary's college
Sulthan Bathery

Place: Sulthan Bathery

Date: 28/03/2022

Janet

**“A STUDY ON THE EFFECTS OF COVID-19 IN WAYANAD TOURISM
WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”**

PROJECT REPORT

Submitted by

ANAGH DAS

Reg. No. SMATBCM034

Under the guidance of

Mr. ANUROOP A R

(Assistant professor, Dept. of Commerce, St. Mary's College, Sulthan Bathery)

*Submitted in partial fulfillment of the requirements of the award of the
degree of*

BACHELOR OF COMMERCE

UNIVERSITY OF CALICUT



**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE,
SULTHAN BATHERY, WAYANAD, KERALA
(NAAC Re-accredited with 'A' Grade)**

2019-2022

**P G DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON THE EFFECTS OF COVID-19 IN WAYANAD TOURISM WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Business Administration is a record of the original work done by **ANAGH DAS** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

MR. ANUROOP R
Assistant professor
Dept. of Commerce
St. Mary's college
Sulthan Bathery

MRS. ANUM P
HOD
Dept of commerce
St. Mary's college
Sulthan Bathery

**“A STUDY ON CONSUMER SATISFACTION OF ROYAL
ENFIELD USERS WITH SPECIAL REFERENCE TO SULTHAN
BATHERY MUNICIPALITY”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of degree of
BACHELOR OF COMMERCE

Submitted by

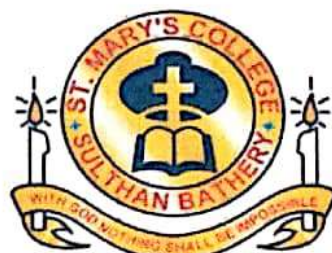
ATHUL P M

Reg. No.SMATBCM037

Under the guidance of

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PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE, SULTHAN BATHERY

(NAAC Re-accredited with 'A' Grade)

2019 - 2022



PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled “A STUDY ON CONSUMER SATISFACTION OF ROYAL ENFIELD USERS WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY” submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by ATHUL P M under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. ANU M P

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Bathery

**A STUDY ON THE INFLUENCE OF ADVERTISING
MEDIA ON PURCHASE DECISION WITH SPECIAL
REFERENCE TO MANANATHAVADY MUNICIPALITY**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of degree of

BACHELOR OF COMMERCE

Submitted by

ABIN JAMES

Register No. SMATBCM024

Under the guidance of

Mr. ANUROOP A R

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY' S COLLEGE, SULTHAN BATHERY
(NACC Re-accredited with 'A' Grade)**

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE

SULTHAN BATHERY

WAYANAD - 673592



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON THE INFLUENCE OF ADVERTISING MEDIA ON PURCHASE DECISION WITH SPECIAL REFERENCE TO MANANATHAVADY MUNICIPALITY" submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by ABIN JAMES under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A R

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Batherly

Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Batherly

**A STUDY ON IMPACT OF CELEBRITY
ENDORSEMENT OF STUDENT BUYING BEHAVIOUR**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfillment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
MUHAMMED FAIZ T
Reg. No.SMATBCM045**

**Under the supervision of
Mrs.ANU M P
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**



2019-2022


**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY
(NAAC Re –accredited With 'A' Grade)**


SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON IMPACT OF CELEBRITY ENDORSEMENT OF STUDENT BUYING BEHAVIOUR”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **MUHAMMED FAIZ T** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. ANUM P
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANUM P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: *Sulthan Bathery*
Date: *28/03/2022*

faiz

**“A STUDY ON CUSTOMER SATISFACTION OF THE
DISTRIBUTION NETWORK AMONG PRODUCTS
OFFERED BY E-COMMERCE COMPANIES WITH
SPECIAL REFERENCE TO SULTHAN BATHERY
THALUK”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

ALBIN BABU

Register No. SMATBCM029

Under the guidance of

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(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE, SULTHAN BATHERY

(NACC Re-accredited with 'A' Grade)

2019-2022



PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled “A STUDY ON CUSTOMER SATISFACTION OF THE DISTRIBUTION NETWORK AMONG PRODUCTS OFFERED BY E-COMMERCE COMPANIES WITH SPECIAL REFERENCE TO SULTHAN BATHERY THALUK” submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by **ALBIN BABU** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.



Mrs. DHILSHA P D

Assistant professor

PG Dept. of commerce

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Sulthan Bathery


Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Bathery



**“A STUDY ON GROWTH OF DIGITAL PAYMENT
SYSTEM BEFORE AND DURING COVID 19 WITH
SPECIAL REFERENCE TO WAYANAD DISTRICT”
PROJECT REPORT**

**Submitted to University of Calicut in partial fulfillment for the
award of degree of**

BACHELOR OF COMMERCE

Submitted by

ASWIN K SURESH

Reg.No.SMATBCM035

Under the guidance of

Asst. Prof. **STEPHY MARIA THOMAS**

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2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**

(NAAC Re-accredited with 'A' Grade)

SULTHAN BATHERY, WAYANAD

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON GROWTH OF DIGITAL PAYMENT SYSTEM BEFORE AND DURING COVID 19 WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of original work done by **ASWIN K SURESH** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS
Assistant professor
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Sulthan Bathery

Mrs. ANU M P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

**“A STUDY ON PREFERENCE OF THE STUDENTS
TOWARDS BRANDED SHOES WITH SPECIAL
REFERENCE TO WAYANAD DISTRICT”
PROJECT REPORT**

**Submitted to University of Calicut in partial fulfillment for the
award of degree of**

BACHELOR OF COMMERCE

Submitted by

PRANAV KUMAR M P

Reg.No.SMATBCM056

Under the guidance of
Asst. Prof. **ANUROOP A R**
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2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**

(NAAC Re-accredited with 'A' Grade)

SULTHAN BATHERY, WAYANAD



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON PREFERENCE OF THE STUDENTS TOWARDS BRANDED SHOES WITH SPECIAL REFERENCE TO WAYANAD DISTRICT" submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of original work done by PRANAV KUMAR M P under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A R
Assistant professor
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St Mary's College
Sulthan Bathery

Mrs. ANU M P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

Praveen

**“A STUDY ON IMPACT OF GST IN RETAIL SECTOR WITH
SPECIAL REFERENCE TO SULTHAN BATHERY
MUNICIPALITY”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of degree of
BACHELOR OF COMMERCE

Submitted by

THANVEER P N

Reg. No.SMATBCM058

Under the guidance of

Mrs. SOPHIYA GEORGE

(Asst. professor, PG Dept. of Commerce, St. Mary's College, Sulthan Bathery)



PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE, SULTHAN BATHERY

(NAAC Re-accredited with 'A' Grade)

2019 - 2022

**P G DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON IMPACT OF GST IN RETAIL SECTOR WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY" submitted to Calicut university in partial fulfillment of the requirement for the award of award of Bachelor of commerce is a record of the original work done by **THANVEER P N** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.



Mrs. SOPHIYA GEORGE
Assistant professor
PG Dept. of commerce
St Mary's College
Sulthan Bathery



Mrs. ANU M P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery



**“A STUDY ON AWARENESS OF GREEN MARKETING AMONG
RETAILERS WITH SPECIAL REFERENCE SULTHAN BATHERY
MUNICIPALITY”**

PROJECT REPORT

**Submitted to University of Calicut in partial fulfillment for the award of degree
of**

BACHELOR OF COMMERCE

Submitted by

VYSAKH BABURAJ

Reg.No.SMATBCM059

Under the guidance of

Asst. Prof. AMRUTHABMIKA N K

(PG Dept. of Commerce, St Mary's College, Sulthan Bathery)



ESTD. IN 1965

2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE

(NAAC Re-accredited with 'A' Grade)

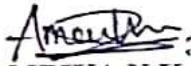
SULTHAN BATHERY, WAYANAD


**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON AWARENESS OF GREEN MARKETING AMONG RETAILERS WITH SPECIAL REFERENCE SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of original work done by **VYSAKH BABURAJ** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. AMRUTHAMBIKA N K
Assistant professor
PG Dept. of Commerce
St Mary's College
Sulthan Bathery


Mrs. ANU M P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

Place : Sulthan Bathery

Date : 28/03/2022



A STUDY ON CUSTOMER SATISFACTION ON FASTRACK

PROJECT REPORT

Submitted by

MUHAMMED ASLAM M P

Reg. No. SMATBCM044

Under the guidance of

Mrs. SOPHIYA GEORGE

(Assistant professor, Dept. of Commerce, St. Mary's College, Sulthan Bathery)

*Submitted in partial fulfillment of the requirements of the award of the
degree of*

BACHELOR OF COMMERCE

UNIVERSITY OF CALICUT



ESTD. IN 1965

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE,

SULTHAN BATHERY, WAYANAD, KERALA

(NAAC Re-accredited with A Grade)

2019-2022



**P G DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



ESTD. IN 1965

CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON CUSTOMER SATISFACTION ON FASTRACK" submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Business Administration is a record of the original work done by **MUHAMMED ASLAM M P** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. SOPHIYA GEORGE

Assistant professor
Dept. of Commerce
St. Mary's college

Mrs. ANU M P

HOD
Dept of commerce
St. Mary's college

Place: Sulthan Bathery

Date: 28/03/2022

**A STUDY ON CUSTOMER SATISFACTION ON
VARIOUS LIC SCHEMES WITH SPECIAL REFERENCE
TO SULTHAN BATHERY MUNICIPALITY**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
GOPIKA DEVADAS
Reg. No. SMATBCM012**

**Under the supervision of
Miss AMRUTHAMBIKA N K
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**



2019-2022

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY**

(NAAC Re –accredited With ‘A’ Grade)
PG DEPARTMENT OF COMMERCE
ST. MARY’S COLLEGE
SULTHAN BATHERY



CERTIFICATE

This is to certify that the project work entitled with “**A STUDY ON CUSTOMER SATISFACTION ON VARIOUS LIC SCHEMES WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY**” submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **GOPIKA DEVADAS** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Miss. AMRUTHAMBIKA N K

Assistant professor
Dept. of Commerce
St. Mary’s College
Sulthan Bathery

Mrs. ANU M.P

HOD
Dept. of Commerce
St. Mary’s College
Sulthan Bathery

**“A STUDY ON EMPLOYEES SATISFACTION IN KERALA
STATE ROAD TRANSPORT CORPORATION WITH
SPECIAL REFERENCE TO SULTHAN BATHERY DEPOT”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

MUHAMMED RISVAN

Register No. SMATBCM048

Under the guidance of

Mrs. DHILSHA P D

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



**PG DEPARTMENT OF COMMERCE
ST MARY' S COLLEGE, SULTHAN BATHERY
(NACC Re-accredited with 'A' Grade)**

2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON EMPLOYEES SATISFACTION IN KERALA STATE ROAD TRANSPORT CORPORATION WITH SPECIAL REFERENCE TO SULTHAN BATHERY DEPOT" submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by **MUHAMMED RISVAN** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Bathery

**A STUDY ON JOB SATISFACTION AMONG
EMPLOYEES WORK FROM HOME BASIS**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

Submitted By

ADITHYA M C

Reg. No. SMATBCM001

Under the supervision of

Mrs.ANU M P

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



ESTD. IN 1965

2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

(NAAC Re -accredited With 'A' Grade)





SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON JOB SATISFACTION AMONG EMPLOYEES WORK FROM HOME BASIS" submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ADITHIYA M C** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. ANU M P
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: S. Bathery
Date 28/3/22



**A STUDY ON VISITOR'S SATISFACTION ON LAKE
TOURISM WITH SPECIAL REFERENCE TO KARLAD
LAKE**

PROJECT REPORT

Submitted to University of Calicut partial fulfillment of the award degree of
BACHELOR OF COMMERCE

Submitted by
MUHAMMED SHIJAS P
Reg. No. SMATBCM050

Under the guidance of
Asst. Prof. STEPHY MARIA THOMAS
(PG Dept. of Commerce's. Mary's College, Sulthan Bathery)



2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
(NACC Re- accredited with 'A' Grade)
SULTHAN BATHERY**

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD - 673592**



CERTIFICATE

This is to certify that the project work entitled " A STUDY ON VISITOR'S SATISFACTION ON LAKE TOURISM WITH SPECIAL REFERENCE TO KARLAD LAKE " submitted to Calicut university in partial fulfillment of the award of bachelor's of commerce is a record of the original work done by **MUHAMMED SHIJAS P** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. STEPHY MARIA THOMAS

Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery



**“JOB STRESS OF WOMEN BANK EMPLOYEES WITH
REFERENCE TO PUBLIC SECTOR BANKS IN
MALAPPURAM DISTRICT”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of degree of
BACHELOR OF COMMERCE

Submitted by

ADITH SANJEEV.V

Reg. No.SMATBCM025

Under the guidance of

Mrs. SOPHIYA GEORGE

(Asst. professor, PG Dept. of Commerce, St. Mary's College, Sulthan Bathery)



PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE, SULTHAN BATHERY

(NAAC Re-accredited with 'A' Grade)

2019 - 2022

**P G DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled "**JOB STRESS OF WOMEN BANK EMPLOYEES WITH REFERENCE TO PUBLIC SECTOR BANKS IN MALAPPURAM DISTRICT**" submitted to Calicut university in partial fulfillment of the requirement for the award of award of Bachelor of commerce is a record of the original work done by **ADITHSANJEEV.V** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. SOPHIYA GEORGE

Assistant professor
PG Dept. of commerce
St Mary's College
Sulthan Bathery

Mrs. ANU M P

H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

**A STUDY ON CUSTOMER SATISFACTION TOWARDS
REDMI SMARTPHONES WITH SPECIAL REFERENCE TO
SULTHANBATHERY MUNICIPALITY, WAYANAD
DISTRICT**

PROJECT REPORT

Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE

Submitted By

JASIL M K

Reg. No. SMATBCM040

Under the supervision of

Mr. ANUROOP A R

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

(NAAC Re -accredited With 'A' Grade)

**SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON CUSTOMER SATISFACTION TOWARDS REDMI SMARTPHONES WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY, WAYANAD DISTRICT" submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **JASIL M K** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A R
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Batherly

Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Batherly

**A STUDY ON LEVEL OF SATISFACTION OF
INVESTORS TOWARDS POSTAL LIFE INSURANCE
WITH SPECIAL REFERENCE TO SULTHAN BATHERY
MUNICIPALITY**

PROJECT REPORT

Submitted to University of Calicut partial fulfillment of the award degree
of
BACHELOR OF COMMERCE

Submitted by
LAVANYA P
Reg. No. SMATBCM015

Under the guidance of
Asst. Prof. STEPHY MARIA THOMAS
(PG Dept. of Commerce's. Mary's College, Sulthan Bathery)



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
(NACC Re- accredited with 'A' Grade)
SULTHAN BATHERY
2019-2022**

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD - 673592**



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON LEVEL OF SATISFACTION OF INVESTORS TOWARDS POSTAL LIFE INSURANCE WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY" submitted to Calicut university in partial fulfillment of the award of bachelor's of commerce is a record of the original work done by **LAVANYA P** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS

Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

**A STUDY ON NATIONAL STOCK EXCHANGE [NSE]
AND BOMBAY STOCK EXCHANGE [BSE] WITH
INVESTORS PERSPECTIVE**

PROJECT REPORT

Submitted to University of Calicut partial fulfillment of the award degree
of
BACHELOR OF COMMERCE

Submitted by
MUHAMMED JUNAID E N
Reg. No. SMATBCM047

Under the guidance of
Asst. Prof. STEPHY MARIA THOMAS
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2019-2022

PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
(NACC Re- accredited with 'A' Grade)
SULTHAN BATHERY

PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD - 673592



CERTIFICATE

This is to certify that the project work entitled " **A STUDY ON NATIONAL STOCK EXCHANGE [NSE] AND BOMBAY STOCK EXCHANGE [BSE] WITH INVESTORS PERSPECTIVE**" submitted to Calicut university in partial fulfillment of the award of bachelor's of commerce is a record of the original work done by **MUHAMMED JUNAID E N** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

**A STUDY ON IMPACT AND EFFECTIVENESS OF ONLINE
ADVERTISEMENT IN BUYING BEHAVIOR OF
CUSTOMERS**

PROJECT REPORT

Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE

Submitted By

APARNA SHAJI

Reg. No. SMATBCM008

Under the supervision of

Ms.CHIPPY SURENDRAN

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY


(NAAC Re -accredited With 'A' Grade)

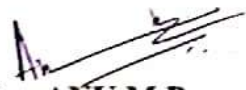
SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with “A STUDY ON IMPACT AND EFFECTIVENESS OF ONLINE ADVERTISEMENT IN BUYING BEHAVIOR OF CUSTOMERS” submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by APARNA SHAJI under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Ms. CHIPPY SURENDRAN
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: S. Bathery
Date: 28/3/22



**A STUDY ON SOCIAL MEDIA USAGE AMONG TRIBAL
YOUTH IN SULTHAN BATHERY MUNICIPALITY
WAYANAD DISTRICT**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

Submitted By

ANUPAMA K K

Reg. No. SMATBCM007

Under the supervision of

Mr. ANUROOP A R

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

(NAAC Re –accredited With 'A' Grade)



SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with “A STUDY ON SOCIAL MEDIA USAGE AMONG TRIBAL YOUTH IN SULTHAN BATHERY MUNICIPALITY WAYANAD DISTRICT” submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by ANUPAMA K K under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A R
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

**“THE STUDY ON CONSUMER ATTITUDE TOWARDS
GREEN PRODUCTS WITH SPECIAL REFERENCE TO
SULTHAN BATHERY THALUK”**

PROJECT REPORT

**Submitted to University of Calicut in partial fulfillment for the
award of degree of**

BACHELOR OF COMMERCE

Submitted by

ABHIRAM T S

Reg.No.SMATBCM022

Under the guidance of

Asst. Prof. ANU MP

(PG Dept. of Commerce, St Mary’s College, Sulthan Bathery)



2019-2022


**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD
(NAAC Re-accredited with 'A' Grade)**


**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with **“THE STUDY ON CONSUMER ATTITUDE TOWARDS GREEN PRODUCTS WITH SPECIAL REFERENCE TO SULTHAN BATHERY THALUK”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of original work done by **ABHIRAM T S** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. ANUM P
Assistant professor
PG Dept. of Commerce
St Mary's College
Sulthan Bathery


Mrs. ANUM P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery



**“A STUDY ON CONSUMER’S ATTITUDE TOWARDS DIRECT
MARKETING OF COSMETIC PRODUCTS”**

PROJECT REPORT

**Submitted to University of Calicut in Partial Fulfillment for the award of the degree of
BACHILOR OF COMMERCE**

Submitted By

ANAGHA K S

Reg no: SMATBCM004

Under The Guidance Of

Mrs. SOPHIYA GEORGE

(PG Department Of Commerce, St Mary’s College, Sulthan Bathery)

UNIVERSITY OF CALICUT



2019-2022

DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

NAAC Re-accredited with 'A' Grade

ST MARY'S COLLEGE
SULTHAN BATHERY



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON CONSUMER’S ATTITUDE TOWARDS DIRECT MARKETING OF COSMETIC PRODUCTS”** submitted to Calicut University in partial fulfillment of the requirement for the award of UG of Bachelor of Commerce is a record of the original work done by **ANAGHA K S** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. SOPHIYA GEORGE

Assistant Professor

P G Dept. of Commerce

St. Mary's College

Sulthan Bathery

Mrs. ANU M P

HOD

P G Dept. of commerce

St. Mary's College

Sulthan Bathery

for seals

**A STUDY ON THE USAGE OF PLASTIC CARDS AMONG
EMPLOYEES WITH SPECIAL REFERENCE TO SULTHAN
BATHERY TALUK**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

Submitted By

AFEEFA JASMIN

Reg. No. SMATBCM002

Under the supervision of

Miss. AMRUTHAMBIKA N K

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

(NAAC Re -accredited With 'A' Grade)

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY



CERTIFICATE

This is to certify that the project work entitled with “ **A STUDY ON THE USAGE OF PLASTIC CARDS AMONG EMPLOYEES WITH SPECIAL REFERENCE TO SULTHAN BATHERY TALUK**” submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **AFEEFA JASMIN** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Miss. AMRUTHAMBIKA N K

Assistant professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Mrs. ANUM.P

HOD
Dept. of Commerce
St. Mary's College
Sulthan Bathery

**A STUDY ON INVESTMENT BEHAVIOR AND PATTERN
AMONG YOUNG PROFESSIONALS WITH SPECIAL
REFERENCE TO WAYANAD DISTRICT**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfillment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
ANISHA PAUL
Reg. No.SMATBCM005**

**Under the supervision of
Mrs.ANUP
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**



2019-2022

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY
(NAAC Re –accredited With 'A' Grade)**

**SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with **"A STUDY ON INVESTMENT BEHAVIOR AND PATTERN AMONG YOUNG PROFESSIONALS WITH SPECIAL REFERENCE TO WAYANAD DISTRICT"** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ANISHA PAUL** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. ANU M P

Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathy


Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathy

Place: *S. B. Bathy*
Date: *28/3/22*

Anisha Paul

**“A STUDY ON CHALLENGES FACED BY WOMEN
ENTREPRENEUR WITH SPECIAL REFERENCE TO
SULTHAN BATHERY THALUK”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of degree of
BACHELOR OF COMMERCE

Submitted by

MURSHITHA SHERIN

Reg. No. SMATBCM017

Under the guidance of

Asst. prof. STEPHY MARIA THOMAS

(PG Dept. of Commerce, St. Mary's College, Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

(NAAC Re-accredited 'A')

SULTHAN BATHERY, WAYANAD



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON CHALLENGES FACED BY WOMEN ENTREPRENEUR WITH SPECIAL REFERENCE TO SULTHAN BATHERY THALUK " submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by MURSHITHA SHERIN under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS

Assistant professor
PG Dept. of Commerce
St. Mary's college
Sulthan Bathery

Mrs. ANU M P

H.O.D
PG Dept. of Commerce
St. Mary's college
Sulthan Bathery

**A STUDY ON CUSTOMER SATISFACTION TOWARDS
E-GOVERNANCE SERVICES PROVIDED BY AKSHAYA
CENTRE WITH SPECIAL REFERENCE TO NENMENI
GRAMA PANCHAYATH, WAYANAD DISTRICT**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

RAJISHA K R

Register No. SMATBCM019

Under the guidance of

Mr. ANUROOP A R

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY' S COLLEGE, SULTHAN BATHERY

(NACC Re-accredited with 'A' Grade)



PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD - 673592



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS E-GOVERNANCE SERVICES PROVIDED BY AKSHAYA CENTRE WITH SPECIAL REFERENCE TO NENMENI GRAMA PANCHAYATH, WAYANAD DISTRICT" submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by **RAJISHA K R** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A R

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Bathery

**A STUDY ON THE ATTITUDE OF RURAL PEOPLE
TOWARDS LIFE INSURANCE POLICY WITH SPECIAL
REFERENCE TO NENMENI GRAMA PANCHAYATH,
WAYANAD DISTRICT**

PROJECT REPORT

**Submitted to University of Calicut in partial fulfillment for the requirements
for the award of the degree of**

BACHELOR OF COMMERCE

Submitted by

FATHIMA SHIJI

Register No. SMATBCM010

Under the guidance of

Mr. ANUROOP A R

(PG Dept. of Commerce, St Mary's College, Sulthan Bathery)



2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY' S COLLEGE, SULTHAN BATHERY
(NACC Re-accredited with 'A' Grade)**

SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON ATTITUDE OF RURAL PEOPLE TOWARDS LIFE INSURANCE POLICY WITH SPECIAL REFERENCE TO NENMENI GRAMA PANCHAYATH, WAYANAD DISTRICT”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **FATHIMA SHIJI** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mr. ANUROOP A R
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Batheri

Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Batheri

**“THE EFFECTIVENESS OF WORK FROM HOME
DURING COVID 19 PANDEMIC WITH SPECIAL
REFERENCE TO WAYANAD DISTRICT”**

PROJECT REPORT

**Submitted to University of Calicut in partial fulfillment for the
award of degree of**

BACHELOR OF COMMERCE

Submitted by

ALWIN JOSHY

Reg.No.SMATBCM031

Under the guidance of
Asst. Prof. **AMRUTHABMIKA N K**
(PG Dept. of Commerce, St Mary's College, Sulthan Bathery)



2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**

(NAAC Re-accredited with 'A' Grade)


SULTHAN BATHERY, WAYANAD


**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with **"THE EFFECTIVENESS OF WORK FROM HOME DURING COVID 19 PANDEMIC WITH SPECIAL REFERENCE TO WAYANAD DISTRICT"** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of original work done by **ALWIN JOSHY** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. AMRUTHAMBIKA N K
Assistant professor
PG Dept. of Commerce
St Mary's College
Sulthan Bathery


Mrs. ANU M P
H.O.D
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

Place : Sulthan Bathery

Date : 28/3/22



**A STUDY ON CUSTOMERS ATTITUDE TOWARDS
PANDA FOOD PRODUCTS WITH SPECIAL REFERENCE
TO SULTHAN BATHERY MUNICIPALITY**

PROJECT REPORT

Submitted in partial fulfilment of the requirements of the award of the degree of
BACHELOR OF COMMERCE

Submitted by
MELBIN KURIAKOSE
Reg. No. SMATBCM042

Under the guidance of
Ms. CHIPPY SURENDRAN

(Assistant professor, Dept. of Commerce, St. Mary's College, Sulthan Bathery)

UNIVERSITY OF CALICUT



ESTD. IN 1965

2019-2022

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE,
SULTHAN BATHERY, WAYANAD, KERALA
(NAAC Re-accredited with 'A' Grade)**

**P G DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON CUSTOMERS ATTITUDE TOWARDS PANDA FOOD PRODUCTS WITH SPECIAL REFERENCE TO SULTHAN BATHERY MUNICIPALITY" submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Business Administration is a record of the original work done by **MELBIN KURIAKOSE** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Ms. CHIPPY SURENDRAN

Assistant professor
Dept. of Commerce
St. Mary's college
Sulthan Bathery


MRS. ANU M P

HOD
Dept of commerce
St. Mary's college
Sulthan Bathery



**A STUDY ON IMPACT OF COVID -19 ON
ACCEPTANCE OF DIGITAL PAYMENTS**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
MEGHANA P B
Reg. No. SMATBCM016**

**Under the supervision of
Ms.CHIPPY SURENDRAN
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**




**2019-2022
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY
(NAAC Re –accredited With 'A' Grade)**


SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON IMPACT OF COVID -19 ON ACCEPTANCE OF DIGITAL PAYMENTS" submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **MEGHANA P B** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Ms. CHIPPY SURENDRAN
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: Sulthan Bathery
Date 28/03/2022



**A STUDY OF BRAND PREFERENCE OF SOFT DRINKS
AMONG YOUTH WITH SPECIAL REFERENCE TO
WAYANAD DISTRICT**

PROJECT REPORT

Submitted by
AMRITHAPRIYAN T R
Reg No. SMATBCM033

Under the guidance of
Mrs. DHILSHA P D
(Asst. professor PG Dept. of Commerce, St. Mary's College, Sulthan
Bathery)



2019-2022


**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
(NAAC Re-accredited with 'A' Grade)
SULTHAN BATHERY, WAYANAD**


SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY OF BRAND PREFERENCE OF SOFT DRINKS AMONG YOUTH WITH SPECIAL REFERENCE TO WAYANAD DISTRICT”** submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **AMRITHAPRIYAN T R** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D 
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathy

Mrs. ANU M P 
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathy

Place: Sulthan Bathy

Date 28/03/2022



**A STUDY ON COLLEGE TEACHERS AWARENESS
TOWARDS ONLINE EDUCATIONAL APPLICATIONS
WITH SPECIAL REFERENCE TO ST. MARY'S
COLLEGE, SULTHAN BATHERY**

PROJECT REPORT

Submitted to University of Calicut partial fulfillment of the award degree
of
BACHELOR OF COMMERCE

Submitted by

GOPIKA C J

Reg. No. SMATBCM011

Under the guidance of

Asst. Prof. STEPHY MARIA THOMAS

(PG Dept. of Commerce's. Mary's College, Sulthan Bathery)



ESTD. IN 1965

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE

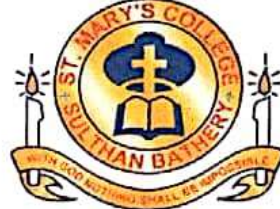
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SULTHAN BATHERY

2019-2022



PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD - 673592



ESTD. IN 1965

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON COLLEGE TEACHERS AWARENESS TOWARDS ONLINE EDUCATIONAL APPLICATIONS WITH SPECIAL REFERENCE TO ST. MARY'S COLLEGE, SULTHAN BATHERY" submitted to Calicut university in partial fulfillment of the award of bachelor's of commerce is a record of the original work done by **GOPIKA C J** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS

Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

**“A STUDY ON CONSUMER AWARENESS TOWARDS
CYBER SECURITY IN BANKING SECTOR”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

JYOTHIKA M S

Register No. SMATBCM014

Under the guidance of

Ms. CHIPPY SURENDRAN

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



PG DEPARTMENT OF COMMERCE

ST MARY' S COLLEGE, SULTHAN BATHERY

(NACC Re-accredited with 'A' Grade)

2019-2022



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled “**A STUDY ON CONSUMER AWARENESS TOWARDS CYBER SECURITY IN BANKING SECTOR**” submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by **JYOTHIKA M S** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Ms. CHIPPY SURENDRAN

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Bathery

**“A STUDY ON EFFECTIVENESS OF SALES PROMOTION
TECNIQUES WITH SPECIAL REFERENCE TO THE FRONTIER
INDUSTRIAL CO-OPERATIVE TEA FACTORY LTD, ERUMAD”**

PROJECT REPORT

**Submitted to University of Calicut in Partial Fulfillment for the award of the degree of
BACHILOR OF COMMERCE**

Submitted By

NAYANA SANTHOSH

Reg no: SMATBCM018

Under The Guidance Of

Ms. CHIPPY SURENDRAN

(PG Department Of Commerce, St. Mary's College Sulthan Bathery)

UNIVERSITY OF CALICUT



2019-2022

DEPARTMENT OF COMMERCE

ST MARYS COLLEGE SULTHAN BATHERY, WAYANAD

NACC Re-accredited with 'A' Grade

**ST MARY'S COLLEGE
SULTHAN BATHERY**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON EFFECTIVENESS OF SALE PROMOTION TECHNIQUES WITH SPECIAL REFERENCE TO THE FRONTIER INDUSTRIAL CO-OPERATIVE TEA FACTORY LTD, ERUMAD”** submitted to Calicut University in partial fulfillment of the requirement for the award of UG of Bachelor of Commerce is a record of the original work done by **NAYANA SANTHOSH** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Ms.CHIPPY SURENDRAN

Assistant Professor

P G Dept. of Commerce

St. Mary's College

Sulthan Bathery

Mrs.ANU M P

HOD

P G Dept. of commerce

St. Mary's College

Sulthan Bathery

**A STUDY ON DAIRY FARMING AND SAVING HABIT
OF DAIRY FARMERS WITH SPECIAL REFERENCE TO
PULPALLY GRAMA PANCHAYATH**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
ARCHANA A C
Reg. No. SMATBCM009**

**Under the supervision of
Mrs. ANU M P
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**




**2019-2022
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY
(NAAC Re -accredited With 'A' Grade)**


SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON DAIRY FARMING AND SAVING HABIT OF DAIRY FARMERS WITH SPECIAL REFERENCE TO PULPALLY GRAMA PANCHAYATH”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ARCHANA A C** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. ANU M P
Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANU M P
H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: *S. Bathery*
Date *28/3/22*

Anu M P

**A STUDY ON EFFECTIVENESS OF EMPLOYEE
MOTIVATION IN TEXTILES WITH SPECIAL
REFERENCE TO LULU WEDDING CENTRE,SULTHAN
BATHERY**

PROJECT REPORT

Submitted to university of Calicut in partial fulfillment for the award of the
degree of

BACHELOR OF COMMERCE

Submitted by
NAFRAS K
Reg.No :SMATBCM052

Under the guidance of
Mrs. DHILSHA P D
(Asst. professor PG Dept. of Commerce, St. Mary's College, SulthanBathery)



2019-2022
PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
(NAAC Re-accredited with 'A' Grade)
SULTHAN BATHERY
WAYANAD

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY**



CERTIFICATE

This is to certify that the project work entitled with "A STUDY ON EFFECTIVENESS OF EMPLOYEE MOTIVATION IN TEXTILES WITH SPECIAL REFERENCE TO LULU WEDDING CENTRE, SULTHAN BATHERY" submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by NAFRAS K under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D

Assistant Professor

Dept. of Commerce

St. Mary's College

SulthanBathery SulthanBathery

Mrs. ANU M P

H.O.D

Dept. of Commerce

St. Mary's College

Place: Sulthan Bathery

Date 28/03/2022

**“A STUDY ON SWOT ANALYSIS AND MARKETING
STRATEGIES OF MILMA PRODUCTS WITH SPECIAL
REFERANCE TO KALPETTA MILMA”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

NIKHIL N

Register No. SMATBCM051

Under the guidance of

Mrs. STEPHY MARIA THOMAS

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



**PG DEPARTMENT OF COMMERCE
ST MARY' S COLLEGE, SULTHAN BATHERY
(NACC Re-accredited with 'A' Grade)**

2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON THE SWOT ANALYSIS AND MARKETING STRATEGIES OF KALPETTA MILMA" submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by NIKHIL N under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. STEPHY MARIA THOMAS

Assistant professor
PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

H.O.D
PG Dept. Of Commerce

St Mary's College

Sulthan Bathery

**“A STUDY ON CUSTOMER PERCEPTION TOWARDS
E- BANKING WITH SPECIAL REFERENCE TO SULTHAN
BATHERY THALUK”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

AMULYA MANOJ

Register No. SMATBCM003

Under the guidance of

Mrs. DHILSHA P D

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



**PG DEPARTMENT OF COMMERCE
ST MARY' S COLLEGE, SULTHAN BATHERY
(NACC Re-accredited with 'A' Grade)**

2019-2022

PG DEPARTMENT OF COMMERCE

ST MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled “A STUDY ON CUSTOMER PERCEPTION TOWARDS E-BANKING WITH SPECIAL REFERENCE TO SULTHAN BATHERY THALUK” submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by **AMULYA MANOJ** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

H.O.D

PG Dept. of Commerce

St Mary's College

Sulthan Bathery

**A STUDY ON THE SAVING AND INVESTMENT HABIT
OF GOVERNMENT EMPLOYEES WITH SPECIAL
REFERENCE TO SULTHAN BATHERY**

PROJECT REPORT

*Submitted to University of Calicut in partial fulfilment for the award of
degree of*

BACHELOR OF COMMERCE

Submitted by

ABHISHEK V V

Reg.No.SMATBCM023

Under the guidance of

Mrs ANU M P

(PG Department of Commerce, St. Mary's College, Sulthan Bathery)



2019-2022

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
(NAAC Re-accredited with 'A' Grade)
SULTHAN BATHERY, WAYANAD**

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY**



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON THE SAVING AND INVESTMENT HABIT OF GOVERNMENT EMPLOYEES SPECIAL REFERENCE TO SULTHAN BATHERY”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **ABHISHEK V V** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs ANU M P

Assistant Professor
PG Dept. of commerce
St. Mary's college
Sulthan Bathery


Mrs ANU M P

H.O.D
PG Dept. of commerce
St. Mary's college
Sulthan Bathery



**“A STUDY ON CONSUMER PERCEPTION TOWARDS OTT
PLATFORMS WITH SPECIAL REFERENCE TO THE SULTHAN
BATHERY TALUK”**

PROJECT REPORT

Submitted by

ANN MARIA I S

Reg. No.

SMATBCM006

Under the guidance of

Mrs. SOPHIYA GEORGE

(Assistant professor of St. Mary's College, Sulthan Bathery)

Submitted in partial fulfillment of the requirements of the award of the degree of

BACHELOR OF COMMERCE

UNIVERSITY OF CALICUT



ESTD. IN 1965

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE,
SULTHAN BATHERY, WAYANAD, KERALA
(NAAC Re-accredited with „A“ Grade)**

2019-2022

**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled with "CONSUMER PERCEPTION TOWARDS OTT PLATFORMS WITH SPECIAL REFERENCE TO THE SULTHAN BATHERY TALUK" submitted to Calicut University in partial fulfillment of the requirement for the award of Bachelor of Business Administration is a record of the original work done by ANN MARIA I S under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. Sophiya George
Assistant professor
Dept. of Commerce
St. Mary's college
Sulthan Bathery

Mrs. Anu M P
HOD
Dept of commerce
St. Mary's college
Sulthan Bathery

Place: Sulthan Bathery

Date: 28/3/22

**A STUDY ON PASSENGERS PREFERENCE TOWARDS
'KSRTC' SERVICES IN WAYANAD DISTRICT**

PROJECT REPORT

*Submitted to the university of Calicut in partial fulfilment for the award of the
degree of*
BACHELOR OF COMMERCE

Submitted by
NIKHIL DAS
Reg .No. SMATBCM053

Under the guidance of
Asst. Prof. ANU M P
(PG Dept. of Commerce, St Mary's College, Sulthan Bathery)



2019-2022


**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
(NAAC Re- accredited with 'A' Grade)
SULTHAN BATHERY**


**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
WAYANAD**



CERTIFICATE

This is to certify that the project Work entitled with **A STUDY ON PASSENGERS PREFERENCE TOWARDS 'KSRTC' SERVICES IN WAYANAD DISTRICT** Submitted to Calicut University in partial fulfilment of the requirement for the award of the Degree of Bachelor of Commerce is a record of the original work done by **NIKHIL DAS** Under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Mrs. ANU MP
Assistant professor
PG Dept. of Commerce
St Mary's College
Sulthan Bathery


Mrs. ANU MP
Head of the Department
PG Dept. of Commerce
St Mary's College
Sulthan Bathery

Place: Sulthan Bathery
Date 28/03/2022



**A STUDY ON CUSTOMER SATISFACTION TOWARDS
MILMA PRODUCUTS WITH SPECIAL REFRENCE TO
WAYANAD**

PROJECT REPORT

**Submitted to the Calicut University in partial fulfilment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE**

**Submitted By
MANU JAMES
Reg. No.SMATBCM041**

**Under the supervision of
Mrs.SOPHIYA GEORGE
(PG Department of Commerce, St. Mary's College , Sulthan Bathery)**



**2019-2022
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE
SULTHAN BATHERY
(NAAC Re –accredited With 'A' Grade)**

SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON CUSTOMER SATISFACTION TOWARDS MILMA PRODUCUTS WITH SPECIAL REFERENCE TO WAYANAD”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **MANU JAMES** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. SOPHIYA GEORGE

Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: Sulthan Bathery

Date 28/03/2022

**“A STUDY ON CUSTOMERS AWARENESS ON
GREEN BANKING INITIATIVES OF BANKS – WITH
SPECIAL REFERENCE TO SULTHAN BATHERY
TALUK”**

PROJECT REPORT

Submitted in partial fulfillment of the requirements of the award of
degree of

BACHELOR OF COMMERCE

Submitted by

AMEENUL MUKTHAR

Reg. No. SMATBCM032

Under the guidance of

Asst. prof. AMRUTHAMBIKA N K

(PG Dept. of Commerce, St. Mary's College, Sulthan Bathery)

UNIVERSITY OF CALICUT



ESTD. IN 1965

**PG DEPARTMENT OF
COMMERCE. MARY'S
COLLEGE,**

SULTHAN BATHERY, WAYANAD, KERALA

**(NAAC Re-accredited with 'A'
Grade)**

2019-2022



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD-673592**



CERTIFICATE

This is to certify that the project work entitled “A STUDY ON CUSTOMERS AWARENESS ON GREEN BANKING INITIATIVES OF BANKS – WITH SPECIAL REFERENCE TO SULTHAN BATHERY TALUK” submitted to Calicut university in partial fulfillment of the award of bachelors of commerce is a record of the original work done by **AMEENUL MUKTHAR** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Ms. AMRUTHAMBIKA N K

Assistant professor
Dept. of Commerce
St mary's College
Sulthan Bathery

Mrs. Anu M P

H.O.D
Dept. of Commerce
St.Mary's College
Sulthan Bathery

**“A COMPARITIVE STUDY ON CUSTOMER SATISFACTION IN
PUBLIC SECTOR COMMERCIAL BANKS AND PRIVATE
SECTOR COMMERCIAL BANKS IN WAYANAD DISTRICT
WITH SPECIAL REFERENCE TO SBI AND AXIS BANK**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

AHMED SAFVAN S

Reg.No. SMATBCM027

Under the guidance of

Ms. SOPHIYA GEORGE

(Asst. Professor, PG Dept. of Commerce,
St Mary’s College, Sulthan Bathery)



PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

(NACC Re-accredited with 'A' Grade)

SULTHAN BATHERY

2019 – 2022

**PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled " A COMPARITIVE STUDY OF CUSTOMER SATISFACTION IN PUBLIC SECTORCOMMERCIAL BANKS AND PRIVATE SECTOR COMMERCIAL BANKS WITH SPECIAL REFERENCE TO SBI AND AXIS IN WAYANAD DISTRICT" submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **AHMED SAFVAN S** under my supervisor and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.



Ms. SOPHIYA GEORGE

Assistant professor

PG Dept. of Commerce

St. Mary's College

Sulthan Bathery



Mrs. ANU M P

Head Of Department

PG Dept. ofCommerce

St. Mary's College

Sulthan Bathery



**A STUDY ON ROLE OF CO-OPERATIVE BANKS IN
AGRICULTURAL SECTOR WITH SPECIAL REFERANCE
TO MANANTHAVADY MUNICIPALITY**

PROJECT REPORT

Submitted to the Calicut University in partial fulfillment for the
Requirements for the award of the Degree of
BACHELOR OF COMMERCE

Submitted By

YADHU KRISHNA M

Reg. No. SMATBCM060

Under the supervision of

Ms.CHIPPY SURENDRAN

(PG Department of Commerce, St. Mary's College , Sulthan Bathery)



ESTD. IN 1965

2019-2022

PG DEPARTMENT OF COMMERCE

ST. MARY'S COLLEGE

SULTHAN BATHERY

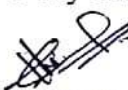
(NAAC Re –accredited With 'A' Grade)

SULTHAN BATHERY, WAYANAD
PG DEPARTMENT OF COMMERCE
ST. MARY'S COLLEGE



CERTIFICATE

This is to certify that the project work entitled with **“A STUDY ON ROLE OF CO-OPERATIVE BANKS IN AGRICULTURAL SECTOR WITH SPECIAL REFERANCE TO MANANTHAVADY MUNICIPALITY”** submitted to Calicut University in partial fulfilment of the requirement for the award of Bachelor of Commerce is a record of the original work done by **YADHU KRISHNA M** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.


Ms. CHIPPY SURENDRAN

Assistant Professor
Dept. of Commerce
St. Mary's College
Sulthan Bathery


Mrs. ANU M P

H.O.D
Dept. of Commerce
St. Mary's College
Sulthan Bathery

Place: *Sulthan Bathery*

Date *28/03/2022*



**“A COMPARATIVE STUDY ON CUSTOMER
PREFERENCE WITH THE SERVICE PROVIDED BY
ANDROID AND IOS WITH SPECIAL REFERENCE TO
SULTHAN BATHERY THALUK”**

PROJECT REPORT

Submitted to University of Calicut in partial fulfillment for the award of

BACHELOR OF COMMERCE

Submitted by

MUHAMMED SUDAIS C M

Register No. SMATBCM051

Under the guidance of

Mrs. DHILSHA P D

(Asst. professor, PG Dept. of commerce, St Mary's college, Sulthan Bathery)



**PG DEPARTMENT OF COMMERCE
ST MARY' S COLLEGE, SULTHAN BATHERY
(NACC Re-accredited with 'A' Grade)**

2019-2022



**PG DEPARTMENT OF COMMERCE
ST MARY'S COLLEGE**



CERTIFICATE

This is to certify that the project work entitled “A COMPARATIVE STUDY ON CUSTOMER PREFERENCE WITH THE SERVICE PROVIDED BY ANDROID AND IOS WITH SPECIAL REFERENCE TO SULTHAN BATHERY THALUK” submitted to Calicut university in partial fulfillment of the requirement for the award of Bachelor of commerce is a record of the original work done by **MUHAMMED SUDAIS C M** under my supervision and guidance and that this project work has not formed on the basis for the award of any degree/diploma/fellowship or similar title to any candidate of any university.

Mrs. DHILSHA P D

Assistant professor

PG Dept. of commerce

St Mary's College

Sulthan Bathery

Mrs. ANU M P

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St Mary's College

Sulthan Bathery

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**POST GRADUATE DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY**

WAYANAD-673579

2019-2022



ESTD. IN 1965

STUDY OF SUPRAMOLECULAR CHEMISTRY

*A project report submitted in partial fulfilment for the award of
the degree of Bachelor of Science in Chemistry*

Executed by

ANEESHA K S	SMATSCH003
ARATHY NAIR P	SMATSCH004
DELNA PAUL	SMATSCH007
DHIYA MARIYA THOMAS	SMATSCH023
EVONA JOSEPH	SMATSCH024
MINNU K S	SMATSCH027
SANDRA MARIYA	SMATSCH030

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BATHERY WAYANAD-673579**



CERTIFICATE

This is to certify that dissertation entitled "STUDY OF SUPRAMOLECULAR CHEMISTRY" submitted to the UNIVERSITY OF CALICUT, in partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Chemistry is a record of original project done by ANEESHA K S, ARATHY NAIR P, DELNA PAUL, DHIYA MARIYA THOMAS, EVONA JOSEPH, MINNU K S, SANDRA MARIYA during the period of her study in DEPARTMENT OF CHEMISTRY, ST.MARY'S COLLEGE SULTHAN BATHERY, under my supervision and guidance.

JAI THOMAS
(Supervising Lecture)

Dr. NIRMALA K N
(HOD)

Examinor:

1.
2.

(Handwritten signature and date 5/5/22)

**Preparation and Fourier Transform Infrared
Characterisation of Polyaniline and its Metal Complexes**

PROJECT REPORT



ESTD. IN 1965

Submitted by

VINESHA SHAJI (SMATSCH010)

ABHISHEK MD (SMATSCH011)

ANOOP SREENIVASAN (SMATSCH012)

NAFIH K A (SMATSCH014)

ANJUMOL VG (SMATSCH017)

PRAVEENA KP (SMATSCH029)

Under the guidance of

Dr. GEORGE MATHEW

(Assistant Professor, Department of Chemistry)

Submitted in partial fulfillment of the requirements for the award of
the Degree Of

**BACHELOR OF SCIENCE PROGRAMME IN CHEMISTRY
UNIVERSITY OF CALICUT**

BACHELOR OF SCIENCE PROGRAMME IN CHEMISTRY
UNIVERSITY OF CALICUT

ST.MARY'S COLLEGE, SULTHAN BATHERY



ESTD. IN 1965

CERTIFICATE

This is to certify that the dissertation entitled **Preparation and Fourier Transform Infrared Characterisation of Polyaniline and its Metal Complexes** is an original work carried out at St.Mary's college, SulthanBathery under the supervision of Dr.Georgemathew, Assistant Professor in Chemistry, St. Mary's College, SulthanBathery during the period 2021-22. I further declare that the dissertation work has not formed the basis for the award of any degree, diploma, fellowship, associateship or similar title of any university or institution.

Dr. George Mathew

Assistant Professor
Department of Chemistry
St.Mary's College
SulthanBathery

Dr.Nirmala K N

HOD
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St.Mary's College
SulthanBathery

Examiner:

SYNTHESIS AND APPLICATIONS OF MXENES: 2D NANOMATERIALS

Project Report Submitted to the University of Calicut for the Partial Fulfillment of

Bachelor of Science in Chemistry

By

SREELAKSHMI P.V	-	SMATSCH009
ASWATHY LAL	-	SMATSCH006
ANN SNEHA JOY	-	SMATSCH018
SYAMA S.N	-	SMATSCH033
KEERTHANA THYAGI	-	SMATSCH041
ARYA K.S	-	SMATSCH005
ANNU LAYA ABRAHAM	-	SMATSCH019

Under the Guidance of

Dr. Sanoop A. P.

Department of Chemistry



POSTGRADUATE DEPARTMENT OF CHEMISTRY

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SULTHAN BATHERLY-673 592

May 2022

POSTGRADUATE DEPARTMENT OF CHEMISTRY


St. Mary's College

Sulthan Bathery




CERTIFICATE

This is to certify that the work embodied in the project report entitled "*Synthesis and Applications of MXenes: 2D nanomaterials*" has been carried out by Mrs. SREELAKSHMI P.V, ASWATHY LAL, ANN SNEHA JOY, SYAMA S.N, KEERTHANA THYAGI, ARYA K.S. and ANNU LAVYA ABRAHAM under my guidance and supervision and the same has not been submitted elsewhere for any degree.


Dr. Sanooop A. P.
Supervisor

Dept. Chemistry
St. Mary's College


Mrs. Nirmala K. N.
Head of the Department
Dept. Chemistry
St. Mary's College



**PLANT EXTRACT MEDIATED SYNTHESIS OF SILVER NANO
PARTICLES FOR ANTIMICROBIAL APPLICATION**

PROJECT REPORT



Submitted by

ANAMIKA BHASKARAN : SMATSC001

ANENA T : SMATSC002

ADITHYA RAVEENDRAN : SMATSC015

DEEPA GEORGE : SMATSC022

SHIFNA : SMATSC031

SONA JOSE : SMATSC032

Under the guidance of

Mrs. JIJA THOMAS

(Asst. Professor, Department of Chemistry)

Submitted in partial Fulfillment of the Requirements for the Award of the

Degree

Of

BACHELOR OF SCIENCE PROGRAMME IN CHEMISTRY

UNIVERSITY OF CALICUT

BACHELOR OF SCIENCE PROGRAMME IN CHEMISTRY

UNIVERSITY OF CALICUT

ST. MARYS COLLEGE, SULTHAN BATHERY

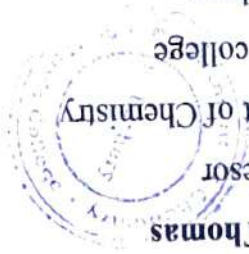



CERTIFICATE

This is to certify that the dissertation entitled "PLANT EXTRACT MEDIATED SYNTHESIS OF SILVER NANO PARTICLES FOR ANTIMICROBIAL APPLICATION" is an original work carried out at St Mary's College, Sulthan Bathery under the supervision of Mrs. Jija Thomas, Assistant professor in Chemistry, St Mary's College, Sulthan Bathery during the period 2021-2022. I further declare that the dissertation work has not formed the basis for the award of any degree, diploma, fellowship, associateship or similar title of any university or institution.

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Sulthan Bathery

Mrs. Jija Thomas
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St. Mary's college
Sulthan Bathery



**POST GRADUATE DEPARTMENT OF CHEMISTRY
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*A project report submitted in partial fulfilment for the award of
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JAI THOMAS
(Supervising Lecture)

Dr. NIRMALA K N
(HOD)

Examinor:

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**Preparation and Fourier Transform Infrared
Characterisation of Polyaniline and its Metal Complexes**

PROJECT REPORT



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Dr. George Mathew

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Examiner:



SYNTHESIS AND APPLICATIONS OF MXENES: 2D NANOMATERIALS

Project Report Submitted to the University of Calicut for the Partial Fulfillment of

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By

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KEERTHANA THYAGI	-	SMATSCH041
ARYA K.S	-	SMATSCH005
ANNU LAYA ABRAHAM	-	SMATSCH019

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POSTGRADUATE DEPARTMENT OF CHEMISTRY

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May 2022

POSTGRADUATE DEPARTMENT OF CHEMISTRY

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CERTIFICATE

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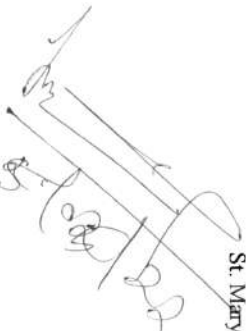


Dr. Sanooop A. P.
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**PLANT EXTRACT MEDIATED SYNTHESIS OF SILVER NANO
PARTICLES FOR ANTIMICROBIAL APPLICATION**

PROJECT REPORT



Submitted by

ANAMIKA BHASKARAN : SMATSC001

ANENA T : SMATSC002

ADITHYA RAVEENDRAN : SMATSC015

DEEPA GEORGE : SMATSC022

SHIFNA : SMATSC031

SONA JOSE : SMATSC032

Under the guidance of

Mrs. JIJA THOMAS

(Asst. Professor, Department of Chemistry)

Submitted in partial Fulfillment of the Requirements for the Award of the

Degree

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BACHELOR OF SCIENCE PROGRAMME IN CHEMISTRY

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ST. MARYS COLLEGE, SULTHAN BATHERY

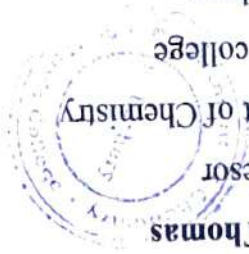



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Dr. Nirmala K.N
Asso. Professor
Department of Chemistry
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Sulthan Bathery



Magnetic and Structural analysis of manganese doped Fe₃O₄ nanoparticles obtained by co-precipitation method

*A Dissertation submitted to the **University of Calicut** in partial fulfilment for the award of the Degree of*

BACHELOR OF SCIENCE IN PHYSICS

Submitted by

SMATSPH002

ANSU VINOD

SMATSPH019

LAKSHMI NIRANJANA

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ASWIN LAVAN



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POST GRADUATE DEPARTMENT OF PHYSICS

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SULTHAN BATHERY

POST GRADUATE DEPARTMENT OF PHYSICS

ST.MARY'S COLLEGE SULTHAN BATHERY



CERTIFICATE

This is to certify that, Ms. Jeena K, Ms. Kavya Ganesh, Ms. Liya Lulu, Mr. Sooraj K S, and Mr. Ssivaprasd P C, are sixth semester B.Sc. Physics student of St.Mary's college Sulthan Bathery, Wayanad has worked on the project topic **“Magnetic and Structural analysis of manganese doped Fe₃O₄ nanoparticles obtained by co-precipitation method”** under the guidance of Dr Pramod K S, Asst. prof. Department of Physics St. Mary's college Sulthan Bathery. Being a bonafide it has been approved and forwarded to the University Examination of Calicut university.

Dr Pramod K S
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Shibina T
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Fiber Optics

*A Dissertation submitted to the **University of Calicut** in partial
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Submitted by

SMATSPH003

ATHIRA K S

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POULOSE A G



2019-2022

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Mr Fabin Varghese T V
Supervising Teacher

Shibina T
Head Of The Department

Cosmic microwave background: a review of recent progress

*A Dissertation submitted to the **University of Calicut** in partial
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Metamaterials

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Submitted by

SMATSPH009

AKASH C CHANDRAN

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NITHYA SUDHEER

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NIRMAL JOSE



2019-2022

POST GRADUATE DEPARTMENT OF PHYSICS

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POST GRADUATE DEPARTMENT OF PHYSICS

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Dr Joby N G
Supervising Teacher

Shibina T
Head Of The Department

Metamaterials

*A Dissertation submitted to the **University of Calicut** in partial
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BACHELOR OF SCIENCE IN PHYSICS

Submitted by

SMATSPH009

AKASH C CHANDRAN

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Dr Joby N G
Supervising Teacher

Shibina T
Head Of The Department

Semiconductor gas sensor: materials, fabrication, applications

*A Dissertation submitted to the **University of Calicut** in partial
fulfilment for the award of the Degree of*

BACHELOR OF SCIENCE IN PHYSICS

Submitted by

SMATSPH004

JEEVA SAJAN

SMATSPH012

RISTIN RAMESH P

SMATSPH025

ADITHYA VIJAY

SMATSPH030

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HENIL JOY



2019-2022

POST GRADUATE DEPARTMENT OF PHYSICS

St.MARY'S COLLEGE

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Mrs Shibina T
Supervising Teacher

Shibina T
Head Of The Department

Applications of Graphene

*A Dissertation submitted to the **University of Calicut** in partial
fulfilment for the award of the Degree of*

BACHELOR OF SCIENCE IN PHYSICS

Submitted by

SMATSPH001	ANJALA KURIAN
SMATSPH011	JESWIN JOSEPH
SMATSPH013	VIBIN DAS
SMATSPH031	HARSHAD C
SMATSPH035	NOBIN P JOSE



2019-2022

POST GRADUATE DEPARTMENT OF PHYSICS

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Dr Bhagyaraj C
Supervising Teacher

Shibina T
Head Of The Department

Theory and detection of Gravitational waves

*A Dissertation submitted to the **University of Calicut** in partial
fulfilment for the award of the Degree of*

BACHELOR OF SCIENCE IN PHYSICS

Submitted by

SMATSPH006

MILIN MARIA BENNY

SMATSPH010

ASHIQUE A B

SMATSPH014

ADITHYA AJI

SMATSPH028

BRAVO BINU

SMATSPH039

SIDHARTH T D



2019-2022

POST GRADUATE DEPARTMENT OF PHYSICS

St.MARY'S COLLEGE

[Naac accredited A grade]

SULTHAN BATHERY

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Mr Sreejith C S
Supervising Teacher

Shibina T
Head Of The Department

Particle Accelerators

*A Dissertation submitted to the **University of Calicut** in partial
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BACHELOR OF SCIENCE IN PHYSICS

Submitted by

SMATSPH005

MERLIN MARY KOSHY

SMATSPH017

EDVINA TERES
GEORGE

SMATSPH024

ABHIRAM

SMATSPH033

JAIN BABY

SMATSPH038

SHRAVAN VINCENT



ESTD. IN 1965

2019-2022

POST GRADUATE DEPARTMENT OF PHYSICS

St.MARY'S COLLEGE

[Naac accredited A grade]

SULTHAN BATHERY

POST GRADUATE DEPARTMENT OF PHYSICS

ST.MARY'S COLLEGE SULTHAN BATHERY



CERTIFICATE

This is to certify that, Ms. Jeena K, Ms. Kavya Ganesh, Ms. Liya Lalu, Mr. Sooraj K S, and Mr. Ssivaprasd P C, are sixth semester B.Sc. Physics student of St.Mary's college Sulthan Bathery, Wayanad has worked on the project topic “ **Particle Accelerators**” under the guidance of Mr Jayesh George Joseph, Asst. prof. Department of Physics St. Mary's college Sulthan Bathery. Being a bonafide it has been approved and forwarded to the University Examination of Calicut university.

Mr Jayesh George Joseph
Supervising Teacher

Shibina T
Head Of The Department

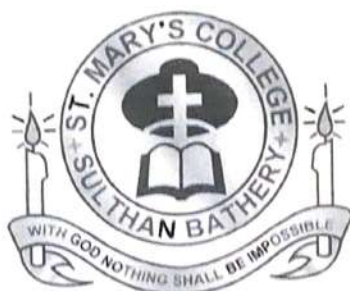
STUDY ON SOIL AND WATER QUALITY PARAMETERS OF KOTTOOR WATERSHED

Project report submitted to the University of Calicut in partial fulfillments of the
requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY



ESTD. IN 1965

2021-2022

Submitted by

RESHMA K

Reg No:SMAUMCH013

POST GRADUATE DEPARTMENT OF CHEMISTRY

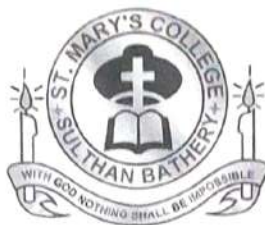
ST.MARY'S COLLEGE , S.BATHERY, WAYANAD

[NAAC Accredited with A grade]

Project done at the laboratory of Rural Industries ,Centre of Brahmagiri Development
Society, Meenangadi.

**Under the guidance of
Dr. THOMAS THEVERA**

POST GRADUATE DEPARTMENT OF CHEMISTRY
ST.MARY'S COLLEGE
SULTHAN BATHERY



ESTD. IN 1965

2020-2022

CERTIFICATE

This is to certify that **Ms. Reshma K** has worked on topic "**Study on soil and water quality parameters of Kottoor Watershed**". This work has been carried out as partial fulfillment of the requirements for the Degree of Master of Science in Chemistry. Being a bonafide record it has been approved and forwarded to the Univeristy Examination of Calicut University.

Dr.Nimala K.N

Head of Department of Chemistry

St. Mary's College Sulthan Batherly

**EVALUATION OF ESTERIFIED RENDERED CHICKEN OIL(RCO) AND REVIEW ON
POLYMERISATION OF OILS**

Project report submitted to the

University of Calicut

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

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

ASHALAKSHMI K GOPI



ESTD. IN 1965

Reg.No.SMAUMCH008

Under the guidance of

Dr. GEORGE MATHEW

(Emblem)

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST.MARY'S COLLEGE

SULTHAN BATHERY

KERALA

2020-2022

CERTIFICATE

This is to certify that the project entitled "EVALUATION OF ESTERIFIED RENDERED CHICKEN OIL(RCO) AND REVIEW ON POLYMERISATION OF OILS" is an Authentic record of the project work done by **Ms.ASHALAKSHMI K GOPI** under my Supervision and guidance in partial fulfillment of the requirements for the award of Degree of MASTER OF SCIENCE IN CHEMISTRY through department of chemistry , St.Mary's college , Sulthan Bathery ,affiliated to the University of Calicut.



Dr. George Mathew

Supervising Teacher

Dr. Nirmala k N

Head, Department of Chemistry

Department of Chemistry
St. Mary's College
Sulthan Bathery

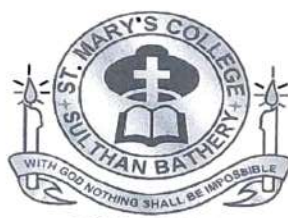
**STUDY ON SOIL AND WATER QUALITY PARAMETERS
OF CHETHALAYAM WATERSHED**

Project report submitted to the University of Calicut in partial fulfillments of the
requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY



ESTD. IN 1965

2021-2022

Submitted by

AISWARYA MARIA SAJU

Reg No:SMAUMCH001

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST.MARY'S COLLEGE , S.BATHERY, WAYANAD

[NAAC Accredited with A grade]

Project done at the laboratory of Rural Industries ,

Centre of Brahmagiri Development Society,

Meenangadi

Under the guidance of

Dr. THOMAS THEVERA

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE

SULTHAN BATHERY



ESTD. IN 1965

2020-2021

CERTIFICATE

This is to certify that Ms. AISWARYA MARIA SAJU has worked on topic "Study of soil and water quality parameters of Chethalayam watershed". This work has been carried out as partial fulfillment of the requirements for the Degree of Master of Science in Chemistry. Being a bonafide record it has been approved and forwarded to the Univeristy Examination of Calicut University.

Dr. Nimala K.N

Head of Department of Chemistry

St Mary's College, Sulthan Batherly

ELECTRONIC STRUCTURE CALCULATION OF

SnSe WITH QUANTUM ESPRESSO

Project report submitted to

UNIVERSITY OF CALICUT

In Partial Fulfillment of the Requirements for the Award of the Degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

VIKAS K. KUNJUMON

REGISTER NO: SMAUMCH016



DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE, SULTHAN BATHERY

Under the guidance of

Dr. RAJ SANKAR C



DEPARTMENT OF CHEMISTRY

SREE KERALA VARMA COLLEGE, THRISSUR

JUNE 2022

DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY



CERTIFICATE

This is to certify that the project work entitled "**ELECTRONIC STRUCTURE CALCULATION OF SnSe WITH QUANTUM ESPRESSO**" is a bonafide report of the work carried out by **Mr. VIKAS K. KUNJUMON** (Reg No: SMAUMCH016) at Sree Kerala Varma College, Thrissur, under the supervision of **Dr. Raj Sankar C**, Assistant Professor, Department of Chemistry, Sree Kerala Varma College, Thrissur, for the partial fulfillment of the requirement for the award of the degree of Master of Science in Chemistry.

Dr. Nirmala K. N
Head of the Department
Department of Chemistry
St. Mary's College
Sulthan Bathery

**STUDY ON SOIL AND WATER QUALITY PARAMETERS
OF AMARAKKUNI WATERSHED**

Project report submitted to the University of Calicut in partial fulfillments of the requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY

2020-2022

Submitted by

TELNA SIMON

Reg No: SMAUMCH015



POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE, S.BATHERY, WAYANAD

Project done at laboratory of Rural Industries,

Centre of Brahmagiri Development Society,

Mecangadi

Under the guidance of

Dr. THOMAS THEVERA

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE

SULTHAN BATHERY



2020-2021

CERTIFICATE

This is to certify that Ms. TELINA SIMON has worked on topic "Study of soil and water quality parameters of Amarakkuni watershed". This work has been carried out as partial fulfillment of the requirements for the Degree of Master of Science in Chemistry. Being a bonafide record it has been approved and forwarded to the University Examination of Calicut University.

Dr. Nirmala K.N

Head of Department of Chemistry

St. Mary's College Sulthan Bathery

**SUSTAINABLE SYNTHESIS OF RARE EARTH METAL ORTHO
VANADATE, DYSPROSIUM VANADATE USING NEXT
GENERATION GREEN SOLVENTS**

Project report submitted to

UNIVERSITY OF CALICUT

In Partial Fulfillment of the Requirements for the Award of Degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

VISHNU K P

REGISTER NO:SMAUMCH017



**DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY**

Under the guidance of

Dr. MARY GEORGE



**DEPARTMENT OF CHEMISTRY
STELLA MARIS COLLEGE (AUTONOMOUS)
CHENNAI, TAMILNADU**

JUNE 2022

DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY



CERTIFICATE

This is certified that the work incorporated in this project entitled **“SUSTAINABLE SYNTHESIS OF RARE EARTH METAL ORTHO VANADATE, DYSPROSIUM VANADATE USING NEXT GENERATION GREEN SOLVENTS”** submitted by Mr. **VISHNU K P** for the award of Master of Science in Chemistry under the supervision of **Dr. MARY GEORGE** Associate Professor Department of Chemistry, Stella Maris College (Autonomous) on 1st April to 30th June 2022.

Dr. NIRMALA K N
Head of the Department
Department of Chemistry
St. Mary's College
Sulthan Bathery

A REVIEW ON SYNTHESIS AND BIOLOGICAL APPLICATIONS OF QUINOLINE-CARBOXAMIDE DERIVATIVES

A Literature Review

Submitted to

ST MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

Affiliated to the

UNIVERSITY OF CALICUT

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

Master of Science in Chemistry

By

SIMPLE T R

(Reg. No: SMAUMCH014)



ESTD. IN 1965

Under the Guidance of

Dr. JANARDHAN BANOTHU



**DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
CALICUT, KERALA – 673 601**

JUNE, 2022



Department of Chemistry

राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट
National Institute of Technology Calicut

एन आई टी. कौपरा (पी.ओ), कलिकट, केरल - 673 601, भारत. NIT Campus (P.O.), Calicut, Kerala-673 601, India

Contact Details:
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Head : 0495-2285300
Fax : 0495-2287250
Website : www.nitc.ac.in
e-mail: chemistry@nitc.ac.in

Ref No. :


Date :


CERTIFICATE

This is to certify that the Literature review entitled “**A Review on Synthesis and Biological Applications of Quinoline–Carboxamide Derivatives**” is a bona-fide record of the project work carried out by **Ms. Simple T R** (Reg. No: SMAUMCH014) under my guidance at Heterocyclic Chemistry Laboratory, Department of Chemistry, National Institute of Technology, Calicut during January, 2022 – June, 2022. The review has been carried out in partial fulfilment of the award of degree in Master of Science in Chemistry under Calicut University.

NIT Calicut
June 2022




30/6/22
Dr. Janardhan Banothu
Assistant Professor
Department of Chemistry
NIT Calicut


Dr. A. Sujith
Head of Department
Associate Professor
Department of Chemistry
NIT Calicut

METHODS FOR THE SYNTHESIS OF CHROMENE DERIVATIVES

A Literature Review Submitted to

St Marys College Sulthan Bathery Wayanad

Affiliated to the

UNIVERSITY OF CALICUT

For the award of the Degree of

MASTERS OF SCIENCE IN CHEMISTRY

By

MUJMINA K

(Reg. No. SMAUMCH011)



Under the guidance of

Dr. JANARDHAN BANOTHU



DEPARTMENT OF CHEMISTRY

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

CALICUT, KERALA-673601

MAY 2022



Department of Chemistry

राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट

National Institute of Technology Calicut

एन.आई.टी. कैंपस (पी.ओ.), कालिकट, केरल - 673 601, भारत. NIT Campus (P.O.), Calicut, Kerala-673 601, India

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e-mail: chemistry@nitc.ac.in

Ref. No.


Date:


CERTIFICATE

This is to certify that the Literature review entitled “**Methods for the Synthesis of Chromene Derivatives**” is a bona-fide record of the project work carried out by **Ms. Mujmina K** (Reg. No.: SMAUMCH011) under my guidance at Heterocyclic Chemistry Laboratory, Department of Chemistry, National Institute of Technology Calicut during January, 2022 – June, 2022. The review has been carried out in partial fulfilment of the award of degree in Master of Science in Chemistry under Calicut University.

NIT Calicut
June 2022




Dr. A. Sujith
Head of the Department
Department of Chemistry
NIT Calicut


30/6/22
Dr. Janardhan Banothu
Assistant Professor
Department of chemistry
NIT Calicut

SYNTHETIC STRATEGIES OF COUMARIN-1,3,4 OXADIAZOLE HYBRIDS

A Literature Review Submitted to
St Marys College Sulthan Bathery Wayanad
Affiliated to the
UNIVERSITY OF CALICUT
For the award of the Degree of
MASTERS OF SCIENCE IN CHEMISTRY

By
MANJU G NAIR
(Registration No. SMAUMCH010)



Under the guidance of
Dr. JANARDHAN BANOTHU



DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
CALICUT, KERALA-673601

MAY 2022



Department of Chemistry

राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट

National Institute of Technology Calicut

एन.आई.टी. कॉम्पस (पी.ओ.), कलिकट, केरल - 673 601, भारत. NIT Campus (P.O.), Calicut, Kerala-673 601, India

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Fax: 0495-2287250

Website: www.nitc.ac.in

e-mail: chemistry@nitc.ac.in

Ref. No.:

Date:

CERTIFICATE

This is to certify that the Literature review entitled “**Synthetic Strategies of Coumarin-1,3,4 Oxadiazole Hybrids**” is a bona-fide record of the project work carried out by **Ms. Manju G Nair** (Reg. No.: SMAUMCH010) under my guidance at Heterocyclic Chemistry Laboratory, Department of Chemistry, National Institute of Technology Calicut during January, 2022 – June, 2022. The review has been carried out in partial fulfilment of the award of degree in Master of Science in Chemistry under Calicut University.

NIT Calicut
June 2022

Janardhan Banothu 30/6/22

Dr. Janardhan Banothu
Assistant Professor
Department of Chemistry
NIT Calicut



A. Sujith
Dr. A. Sujith
Head of the Department
Department of Chemistry
NIT Calicut

**REVIEW ON THE DIELS ALDER REACTION FOR THE SYNTHESIS OF
POLYCYCLIC AROMATIC COMPOUNDS**

Submitted to the University of Calicut in partial fulfillments of the
requirements for the award of the degree of

**MASTER OF SCIENCE
IN
CHEMISTRY**

2020-2022

Submitted by

ASHNA ABRAHAM

Reg No: SMAUMCH009



**POST GRADUATE DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, S. BATHERY, WAYANAD**

[NAAC Accredited with A grade]
Under the guidance of

Dr. GEORGE MATHEW

Asst. Professor, St Mary's College Sulthan Bathery, Wayanad.

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE

SULTHAN BATHERY



2020-2021

CERTIFICATE

This is to certify that literature review entitled ' REVIEW ON THE DIELS ALDER REACTION FOR THE SYNTHESIS OF POLYCYCLIC AROMATIC COMPOUNDS', Submitted to Department of Chemistry St. Mary's Collage Sulthan Bathery Wayanad in a Partial fulfillment for the award of degree in Master of Science in chemistry is an authentic record of work done by Ashna Abraham under the guidance of Dr. George Mathew, Assistant Professor Department of Chemistry St.Mary's Collage Sulthan Bathery.

Dr. George Mathew

Assistant Professor

Chemistry Department

St.Mary's Collage

Dr. Nirmala K N

Head of the Department

Chemistry Department

St.Mary's Collage

Signature of External Examiners

**NOVEL FABRICATION OF PRASEODYMIUM VANADATE
BASED ON CHOLINE CHLORIDE-UREA DEEP EUTECTIC
SOLVENTS**

Project report submitted to

UNIVERSITY OF CALICUT

In Partial Fulfillment of the Requirements for the Award of Degree of
MASTER OF SCIENCE IN CHEMISTRY

Submitted by

ANJANA A S

REGISTER NO:SMAUMCH005



**DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY**

Under the guidance of

Dr. MARY GEORGE



**DEPARTMENT OF CHEMISTRY
STELLA MARIS COLLEGE (AUTONOMOUS)
CHENNAI, TAMILNADU**

JUNE 2022

DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY



CERTIFICATE

This is certified that the work incorporated in this project entitled **“NOVEL FABRICATION OF PRASEODYMIUM VANADATE BASED ON CHOLINE CHLORIDE-UREA DEEP EUTECTIC SOLVENTS”** submitted by Miss **ANJANA A S** for the award of Master of Science in Chemistry under the supervision of **Dr. MARY GEORGE** Associate Professor Department of Chemistry, Stella Maris College (Autonomous) on 1st April to 30th June 2022.

Dr. NIRMALA K N
Head of the Department
Department of Chemistry
St. Mary's College
Sulthan Bathery

**EVALUATION OF ESTERIFICATION WITH
FLOURINATION OF RENDERED CHICKEN OIL AND
REVIEW ON FLUORINATION OF OILS**

Project report submitted to the
UNIVERSITY OF CALICUT

In partial Fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE
IN
CHEMISTRY

Submitted by
AMAL SCARIA
Reg.No.SMAUMCH003

Under the guidance of
Dr. GEORGE MATHEW



POST GRADUATE DEPARTMENT OF CHEMISTRY
ST.MARY'S COLLEGE SULTHAN BATHERY
KERALA
2020-2022

CERTIFICATE

This is to certify that the project entitled “**EVALUATION OF ESTERIFICATION WITH FLOURINATION OF RENDERED CHICKEN OIL AND REVIEW ON FLUORINATION OF OILS**” is an Authentic record of the project work done by **Mr. AMAL SCARIA** under my Supervision and guidance in partial fulfillment of the requirements for the award of Degree of *MASTER OF SCIENCE IN CHEMISTRY* through department of chemistry, St.Mary’s college, Sulthan Bathery, affiliated to the University of Calicut.



Dr. George Mathew

Supervising Teacher

Dr. Nirmala k N

Head, Department of chemistry

Department of Chemistry
St. Mary's College
Sulthan Bathery

PROJECT REVIEW ON MULTICOMPONENT REACTIONS

Submitted by

ANANYA V JOSEPH

(Reg.No. SMAUMCH004)

2021-2022

DISSERTATION ADVISOR: DR. GEORGE MATHEW

(ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY)



Submitted in partial fulfillment of the requirements for the award of the Degree Of

MASTER OF SCIENCE PROGRAMME IN CHEMISTRY

UNIVERSITY OF CALICUT

ST. MARY'S COLLEGE, SULTHAN BATHERY

CERTIFICATE

This is to certify that **ANANYA V JOSEPH (Reg.No. SMAUMCH004)** has carried out a review work entitled **REVIEW ON MULTICOMPONENT REACTIONS** is an authentic record of the review work carried by my supervision and guidance in the Department of Chemistry, St. Mary's College, Sulthan bathery. It is further certified that this review work has not previously formed the basis for the award of, any degree, Diploma fellowship or other similar title of recognition by any other University or institution.

Dr George Mathew

Assistant Professor

Dr. Nirmala K.N

Head of department

Signature of external examiners

“PARTIAL DIFFERENTIAL EQUATIONS”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

AKSHAYA SATHYAN

Reg No : SMATSMT001

Under the guidance of,

Mrs. TEENA MARY THOMAS

(Assistant Professor, Department of Mathematics)



DEPARTMENT OF MATHEMATICS

ST. MARY'S COLLEGE,

(NAAC-ACCREDITED WITH 'A' GRADE)

SULTHAN BATHERY

WAYANAD

2019-2022

ST. MARY'S COLLEGE
SULTHAN BATHERY
(Affiliated to University of Calicut & Accredited A grade by NAAC)



CERTIFICATE

This is to certify that **AKSHAYA SATHYAN** is a student of Department of MATHEMATICS, St. Mary's College, Sulthan Bathery and this project entitled "**PARTIAL DIFFERENTIAL EQUATIONS**" has been prepared by her in the partial fulfillment of the requirements of the award of Degree of Bachelor of Science in Mathematics by the University of Calicut during the academic year 2019-2022.

Mrs. Teena Mary Thomas
Assistant Professor
Dept. of Mathematics
St. Mary's College,
Sulthan Bathery

Dr. Latheesh Kumar A R
HOD, Dept. of Mathematics
St. Mary's College,
Sulthan Bathery

METHODS TO SOLVE SECOND ORDER DIFFERENTIAL EQUATIONS

Submitted to University of Calicut in partial fulfillment for the Award of the Degree of Bachelor of Science in Mathematics

Submitted by

VIDHYADAS K

Reg.No: SMATSMT004

Under the supervision of

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics



2019-2022

DEPARTMENT OF MATHEMATICS

ST. MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

(NAAC Re-accredited with 'A' Grade)

ST MARY'S COLLEGE

SULTHAN BATHERY, WAYANAD

(Affiliated to University of Calicut & Accredited A Grade by NAAC)



CERTIFICATE

This is to certify that the project work entitled with “**METHODS TO SOLVE SECOND ORDER DIFFERECIAL EQUATIONS**” submitted to Calicut university in partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Mathematics is a record of the original work done by **VIDHYADAS K** under my supervision and guidance and that this project work has not formed the basis for the award of any Degree/diploma/fellowship or similar title to any candidate of any university.

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics

St. Mary's College

Sulthan Bathery

Dr. LATHEESHKUMAR A.R.

HOD , Department of Mathematics

St. Mary's College

Sulthan Bathery

A handwritten signature in blue ink, appearing to read 'Dr. Latheeshkumar A.R.', is written over a horizontal line.

METHODS TO SOLVE SECOND ORDER DIFFERENTIAL EQUATIONS

Submitted to University of Calicut in partial fulfillment for the Award of the Degree of Bachelor of Science in Mathematics

Submitted by

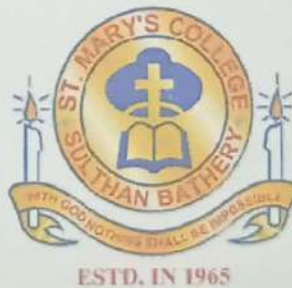
TINU V THOMAS

Reg.No: **SMATSMT008**

Under the supervision of

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics



2019-2022

DEPARTMENT OF MATHEMATICS

ST. MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

(NAAC Re-accredited with 'A' Grade)

ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD

(Affiliated to University of Calicut & Accredited A Grade by NAAC)



CERTIFICATE

This is to certify that the project work entitled with “**METHODS TO SOLVE SECOND ORDER DIFFERENTIAL EQUATIONS**” submitted to Calicut university in partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Mathematics is a record of the original work done by **TINU V THOMAS** under my supervision and guidance and that this project work has not formed the basis for the award of any Degree/diploma/fellowship or similar title to any candidate of any university.

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics

St. Mary's College

Sulthan Bathery

Dr. LATHEESHKUMAR A.R.

HOD , Department of Mathematics

St. Mary's College

Sulthan Bathery

A handwritten signature in blue ink, appearing to read 'Latheeshkumar A.R.', is written over the printed name and address of the Head of Department.

METHODS TO SOLVE SECOND ORDER DIFFERENTIAL EQUATIONS

Submitted to University of Calicut in partial fulfillment for the Award of the Degree of Bachelor of Science in Mathematics

Submitted by

MELVIN JOHN

Reg.No: SMATSMT006

Under the supervision of

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics



2019-2022

DEPARTMENT OF MATHEMATICS

ST. MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

(NAAC Re-accredited with 'A' Grade)

**ST MARY'S COLLEGE
SULTHAN BATHERY, WAYANAD**

(Affiliated to University of Calicut & Accredited A Grade by NAAC)



CERTIFICATE

This is to certify that the project work entitled with “**METHODS TO SOLVE SECOND ORDER DIFFERENTIAL EQUATIONS**” submitted to Calicut university in partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Mathematics is a record of the original work done by **MELVIN JOHN** under my supervision and guidance and that this project work has not formed the basis for the award of any Degree/diploma/fellowship or similar title to any candidate of any university.

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics

St. Mary's College

Sulthan Bathery

Dr. LATHEESHKUMAR A.R.

HOD , Department of Mathematics

St. Mary's College

Sulthan Bathery

A handwritten signature in blue ink, appearing to read 'Dr. Latheeshkumar A.R.', is written over a horizontal line.

“CARDINALITY”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

AISWARYA K S

Reg No : SMATSMT010

Under the guidance of,

Dr. LATHEESH KUMAR A R

(Associate Professor, Department of Mathematics)



DEPARTMENT OF MATHEMATICS
ST. MARY'S COLLEGE,
(NAAC-ACCREDITED WITH 'A' GRADE)
SULTHAN BATHERY
WAYANAD
2019-2022

ST. MARY'S COLLEGE
SULTHAN BATHERY
(Affiliated to University of Calicut & Accredited A grade by NAAC)



CERTIFICATE

This is to certify that **AISWARYA K S** is a student of Department of MATHEMATICS, St. Mary's College, Sulthan Batherly and this project entitled "**CARDINALITY**" has been prepared by her in the partial fulfillment of the requirements of the award of Degree of Bachelor of Science in Mathematics by the University of Calicut during the academic year 2019-2022.

Dr. Latheesh Kumar A R
Associate Professor
Dept. of Mathematics
St. Mary's College,
Sulthan Batherly

Dr. Latheesh Kumar A R
HOD, Dept. of Mathematics
St. Mary's College,
Sulthan Batherly

“PARTIAL DIFFERENTIAL EQUATIONS”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

BETSY BIJU

Reg No : SMATSMT002

Under the guidance of,

Mrs. TEENA MARY THOMAS

(Assistant Professor, Department of Mathematics)



DEPARTMENT OF MATHEMATICS

ST. MARY'S COLLEGE,

(NAAC-ACCREDITED WITH 'A' GRADE)

SULTHAN BATHERLY

WAYANAD

2019-2022

ST. MARY'S COLLEGE

SULTHAN BATHERY

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This is to certify that **BETSY BIJU** is a student of Department of MATHEMATICS, St. Mary's College, Sulthan Bathery and this project entitled "**PARTIAL DIFFERENTIAL EQUATIONS**" has been prepared by her in the partial fulfillment of the requirements of the award of Degree of Bachelor of Science in Mathematics by the University of Calicut during the academic year 2019-2022.

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“DIAGONALIZATION AND TRIANGULARIZATION OF MATRICES”

A project submitted in the partial fulfillment of the requirement of the award of the
degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

TINU ULAHANNAN

Reg No : SMATSMT026

Under the guidance of,

Mrs. ANCY RANI DEVASIA

(Assistant Professor, Department of Mathematics)



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SULTHAN BATHERLY

WAYANAD

2019-2022



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“DIAGONALIZATION AND TRIANGULARIZATION OF MATRICES”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

TOJISHA TOMY

Reg No : SMATSMT019

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“DIAGONALIZATION AND TRIANGULARIZATION OF MATRICES”

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“PARTIAL DIFFERENTIAL EQUATIONS”

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Submitted by,

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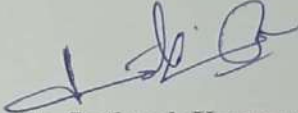
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“DIAGONALIZATION AND TRIANGULARIZATION OF MATRICES”

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Submitted by,

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“RINGS AND FIELD”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

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This is to certify that **MEGHNA SABU** is a student of Department of Mathematics, St. Mary's College, Sulthan Batherly and this project entitled "**RINGS AND FIELD**" has been prepared by her in the partial fulfillment of the requirements of the award of Degree of Bachelor of Science in Mathematics by the University of Calicut during the academic year 2019-2022.

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“RINGS AND FIELD”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

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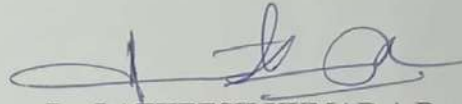


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“RINGS AND FIELD”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

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“RINGS AND FIELD”

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“CARDINALITY”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

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Reg No : SMATSMT021

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“CARDINALITY”

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Submitted by,

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This is to certify that **AKSHAY K V** is a student of Department of MATHEMATICS, St. Mary's College, Sulthan Bathery and this project entitled "**CARDINALITY**" has been prepared by her in the partial fulfillment of the requirements of the award of Degree of Bachelor of Science in Mathematics by the University of Calicut during the academic year 2019-2022.

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METHODS TO SOLVE SECOND ORDER DIFFERENTIAL EQUATIONS

Submitted to University of Calicut in partial fulfillment for the Award of the Degree of Bachelor of Science in Mathematics

Submitted by

JANINA P V

Reg.No: SMATSMT003

Under the supervision of

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics



2019-2022

DEPARTMENT OF MATHEMATICS

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CERTIFICATE

This is to certify that the project work entitled with “**METHODS TO SOLVE SECOND ORDER DIFFERECIAL EQUATIONS**” submitted to Calicut university in partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Mathematics is a record of the original work done by **JANINA P.V** under my supervision and guidance and that this project work has not formed the basis for the award of any Degree/diploma/fellowship or similar title to any candidate of any university.

Asst. Prof. ANCY RANI DEVASIA

Department of Mathematics

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“PARTIAL DIFFERENTIAL EQUATIONS”

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

BASIL THOMBRA

Reg No : SMATSMT005

Under the guidance of,

Mrs. TEENA MARY THOMAS

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“ VITAL STATISTICS”

A project submitted in the partial fulfillment of the requirement of the award of the degree of bachelor of science in Mathematics of

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Submitted by,

ASWANI A U

Reg.No:**SMATSMT014**

Under the guidance of,

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“ VITAL STATISTICS”

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WAYANAD 2019-22

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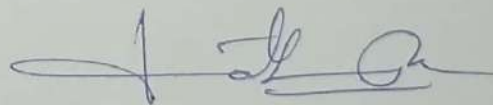
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" VITAL STATISTICS"

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ANAN NASREEN

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"CARDINALITY"

A project submitted in the partial fulfillment of the requirement of the award of the degree of Bachelor of Science in Mathematics of University of Calicut.

Submitted by,

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“CARDINALITY”

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Submitted by,

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**NANOCELLULOSE EXTRACTED FROM NUTSHELLS AS A
POTENTIAL FILLER FOR POLYMERS : A GREEN APPROACH**

Project report submitted to

UNIVERSITY OF CALICUT

*In Partial Fulfilment of the Requirements for the Award of Degree
of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

ANUPAMA MATHEW

REGISTER NO: SMAUMCH006

DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE, SULTHAN BATHERY

Under the guidance of

Mrs. JIJA THOMAS



DEPARTMENT OF CHEMISTRY

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WAYANAD, KERALA

JUNE 2022

DEPARTMENT OF CHEMISTRY ST. MARY'S
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CERTIFICATE

This is certified that the work incorporated in this project entitled "NANOCELLULOSE EXTRACTED FROM NUTSHELLS AS A POTENTIAL FILLER FOR POLYMERS: A GREEN APPROACH" submitted by miss ANUPAMA MATHEW for the award of Master of Science in chemistry under the supervision of Mrs. JIJA THOMAS Assistant professor department of chemistry, St. Mary's college during 2020- 2022 June.

Dr. NIRMALA K

Head of the Department

Department of Chemistry

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Department of Chemistry
St. Mary's College
& Sulthan Bathery

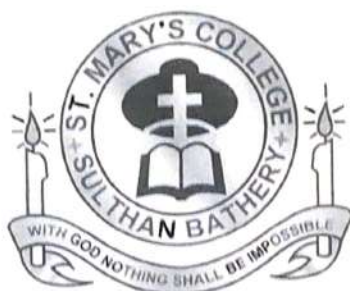
STUDY ON SOIL AND WATER QUALITY PARAMETERS OF KOTTOOR WATERSHED

Project report submitted to the University of Calicut in partial fulfillments of the requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY



ESTD. IN 1965

2021-2022

Submitted by

RESHMA K

Reg No:SMAUMCH013

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST.MARY'S COLLEGE , S.BATHERY, WAYANAD

[NAAC Accredited with A grade]

Project done at the laboratory of Rural Industries ,Centre of Brahmagiri Development Society, Meenangadi.

Under the guidance of

Dr. THOMAS THEVERA

POST GRADUATE DEPARTMENT OF CHEMISTRY
ST.MARY'S COLLEGE
SULTHAN BATHERY



ESTD. IN 1965

2020-2022

CERTIFICATE

This is to certify that **Ms. Reshma K** has worked on topic "**Study on soil and water quality parameters of Kottoor Watershed**". This work has been carried out as partial fulfillment of the requirements for the Degree of Master of Science in Chemistry. Being a bonafide record it has been approved and forwarded to the Univeristy Examination of Calicut University.

Dr.Nimala K.N

Head of Department of Chemistry

St. Mary's College Sulthan Batherly

**EVALUATION OF ESTERIFIED RENDERED CHICKEN OIL(RCO) AND REVIEW ON
POLYMERISATION OF OILS**

Project report submitted to the

University of Calicut

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

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

ASHALAKSHMI K GOPI



ESTD. IN 1965

Reg.No.SMAUMCH008

Under the guidance of

Dr. GEORGE MATHEW

(Emblem)

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST.MARY'S COLLEGE

SULTHAN BATHERY

KERALA

2020-2022

CERTIFICATE

This is to certify that the project entitled "EVALUATION OF ESTERIFIED RENDERED CHICKEN OIL(RCO) AND REVIEW ON POLYMERISATION OF OILS" is an Authentic record of the project work done by **Ms.ASHALAKSHMI K GOPI** under my Supervision and guidance in partial fulfillment of the requirements for the award of Degree of MASTER OF SCIENCE IN CHEMISTRY through department of chemistry , St.Mary's college , Sulthan Bathery ,affiliated to the University of Calicut.



Dr. George Mathew

Supervising Teacher

Dr. Nirmala k N

Head, Department of Chemistry

Department of Chemistry
St. Mary's College
Sulthan Bathery

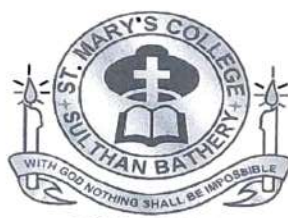
**STUDY ON SOIL AND WATER QUALITY PARAMETERS
OF CHETHALAYAM WATERSHED**

Project report submitted to the University of Calicut in partial fulfillments of the
requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY



ESTD. IN 1965

2021-2022

Submitted by

AISWARYA MARIA SAJU

Reg No:SMAUMCH001

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST.MARY'S COLLEGE , S.BATHERY, WAYANAD

[NAAC Accredited with A grade]

Project done at the laboratory of Rural Industries ,

Centre of Brahmagiri Development Society,

Meenangadi

Under the guidance of

Dr. THOMAS THEVERA

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE

SULTHAN BATHERY



ESTD. IN 1965

2020-2021

CERTIFICATE

This is to certify that Ms. AISWARYA MARIA SAJU has worked on topic "Study of soil and water quality parameters of Chethalayam watershed". This work has been carried out as partial fulfillment of the requirements for the Degree of Master of Science in Chemistry. Being a bonafide record it has been approved and forwarded to the Univeristy Examination of Calicut University.

Dr. Nimala K.N

Head of Department of Chemistry

St Mary's College, Sulthan Batherly

ELECTRONIC STRUCTURE CALCULATION OF

SnSe WITH QUANTUM ESPRESSO

Project report submitted to

UNIVERSITY OF CALICUT

In Partial Fulfillment of the Requirements for the Award of the Degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

VIKAS K. KUNJUMON

REGISTER NO: SMAUMCH016



DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE, SULTHAN BATHERY

Under the guidance of

Dr. RAJ SANKAR C



DEPARTMENT OF CHEMISTRY

SREE KERALA VARMA COLLEGE, THRISSUR

JUNE 2022

DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY



CERTIFICATE

This is to certify that the project work entitled "**ELECTRONIC STRUCTURE CALCULATION OF SnSe WITH QUANTUM ESPRESSO**" is a bonafide report of the work carried out by **Mr. VIKAS K. KUNJUMON** (Reg No: SMAUMCH016) at Sree Kerala Varma College, Thrissur, under the supervision of **Dr. Raj Sankar C**, Assistant Professor, Department of Chemistry, Sree Kerala Varma College, Thrissur, for the partial fulfillment of the requirement for the award of the degree of Master of Science in Chemistry.

Dr. Nirmala K. N
Head of the Department
Department of Chemistry
St. Mary's College
Sulthan Bathery

**STUDY ON SOIL AND WATER QUALITY PARAMETERS
OF AMARAKKUNI WATERSHED**

Project report submitted to the University of Calicut in partial fulfillments of the requirements for the award of the degree of

MASTER OF SCIENCE

IN

CHEMISTRY

2020-2022

Submitted by

TELNA SIMON

Reg No: SMAUMCH015



POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE, S.BATHERY, WAYANAD

Project done at laboratory of Rural Industries,

Centre of Brahmagiri Development Society,

Mecangadi

Under the guidance of

Dr. THOMAS THEVERA

POST GRADUATE DEPARTMENT OF CHEMISTRY

ST. MARY'S COLLEGE

SULTHAN BATHERY



2020-2021

CERTIFICATE

This is to certify that Ms. TELINA SIMON has worked on topic "Study of soil and water quality parameters of Amarakkuni watershed". This work has been carried out as partial fulfillment of the requirements for the Degree of Master of Science in Chemistry. Being a bonafide record it has been approved and forwarded to the University Examination of Calicut University.

Dr. Nirmala K.N

Head of Department of Chemistry

St. Mary's College Sulthan Bathery

**SUSTAINABLE SYNTHESIS OF RARE EARTH METAL ORTHO
VANADATE, DYSPROSIUM VANADATE USING NEXT
GENERATION GREEN SOLVENTS**

Project report submitted to

UNIVERSITY OF CALICUT

In Partial Fulfillment of the Requirements for the Award of Degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

VISHNU K P

REGISTER NO:SMAUMCH017



**DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY**

Under the guidance of

Dr. MARY GEORGE



**DEPARTMENT OF CHEMISTRY
STELLA MARIS COLLEGE (AUTONOMOUS)
CHENNAI, TAMILNADU**

JUNE 2022

DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY



CERTIFICATE

This is certified that the work incorporated in this project entitled **“SUSTAINABLE SYNTHESIS OF RARE EARTH METAL ORTHO VANADATE, DYSPROSIUM VANADATE USING NEXT GENERATION GREEN SOLVENTS”** submitted by Mr. **VISHNU K P** for the award of Master of Science in Chemistry under the supervision of **Dr. MARY GEORGE** Associate Professor Department of Chemistry, Stella Maris College (Autonomous) on 1st April to 30th June 2022.

Dr. NIRMALA K N
Head of the Department
Department of Chemistry
St. Mary's College
Sulthan Bathery

A REVIEW ON SYNTHESIS AND BIOLOGICAL APPLICATIONS OF QUINOLINE-CARBOXAMIDE DERIVATIVES

A Literature Review

Submitted to

ST MARY'S COLLEGE SULTHAN BATHERY, WAYANAD

Affiliated to the

UNIVERSITY OF CALICUT

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

Master of Science in Chemistry

By

SIMPLE T R

(Reg. No: SMAUMCH014)



ESTD. IN 1965

Under the Guidance of

Dr. JANARDHAN BANOTHU



**DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
CALICUT, KERALA – 673 601**

JUNE, 2022



Department of Chemistry

राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट
National Institute of Technology Calicut

एन आई टी. कौपरा (पी.ओ), कलिकट, केरल - 673 601, भारत. NIT Campus (P.O.), Calicut, Kerala-673 601, India

Contact Details:
Office: 0495-2285301
Head : 0495-2285300
Fax : 0495-2287250
Website : www.nitc.ac.in
e-mail: chemistry@nitc.ac.in

Ref No. :


Date :


CERTIFICATE

This is to certify that the Literature review entitled “**A Review on Synthesis and Biological Applications of Quinoline–Carboxamide Derivatives**” is a bona-fide record of the project work carried out by **Ms. Simple T R** (Reg. No: SMAUMCH014) under my guidance at Heterocyclic Chemistry Laboratory, Department of Chemistry, National Institute of Technology, Calicut during January, 2022 – June, 2022. The review has been carried out in partial fulfilment of the award of degree in Master of Science in Chemistry under Calicut University.

NIT Calicut
June 2022




30/6/22
Dr. Janardhan Banothu
Assistant Professor
Department of Chemistry
NIT Calicut


Dr. A. Sujith
Head of Department
Associate Professor
Department of Chemistry
NIT Calicut

METHODS FOR THE SYNTHESIS OF CHROMENE DERIVATIVES

A Literature Review Submitted to

St Marys College Sulthan Bathery Wayanad

Affiliated to the

UNIVERSITY OF CALICUT

For the award of the Degree of

MASTERS OF SCIENCE IN CHEMISTRY

By

MUJMINA K

(Reg. No. SMAUMCH011)



Under the guidance of

Dr. JANARDHAN BANOTHU



DEPARTMENT OF CHEMISTRY

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

CALICUT, KERALA-673601

MAY 2022



Department of Chemistry

राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट

National Institute of Technology Calicut

एन.आई.टी. कैंपस (पी.ओ.), कालिकट, केरल - 673 601, भारत. NIT Campus (P.O.), Calicut, Kerala-673 601, India

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Website : www.nitc.ac.in

e-mail: chemistry@nitc.ac.in

Ref. No.

Date:


CERTIFICATE

This is to certify that the Literature review entitled “**Methods for the Synthesis of Chromene Derivatives**” is a bona-fide record of the project work carried out by **Ms. Mujmina K** (Reg. No.: SMAUMCH011) under my guidance at Heterocyclic Chemistry Laboratory, Department of Chemistry, National Institute of Technology Calicut during January, 2022 – June, 2022. The review has been carried out in partial fulfilment of the award of degree in Master of Science in Chemistry under Calicut University.

NIT Calicut
June 2022




Dr. A. Sujith
Head of the Department
Department of Chemistry
NIT Calicut


30/6/22
Dr. Janardhan Banothu
Assistant Professor
Department of chemistry
NIT Calicut

SYNTHETIC STRATEGIES OF COUMARIN-1,3,4 OXADIAZOLE HYBRIDS

A Literature Review Submitted to
St Marys College Sulthan Bathery Wayanad
Affiliated to the
UNIVERSITY OF CALICUT
For the award of the Degree of
MASTERS OF SCIENCE IN CHEMISTRY

By
MANJU G NAIR
(Registration No. SMAUMCH010)



Under the guidance of
Dr. JANARDHAN BANOTHU



DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
CALICUT, KERALA-673601

MAY 2022



Department of Chemistry

राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट

National Institute of Technology Calicut

एन.आई.टी. कॉम्पस (पी.ओ.), कलिकट, केरल - 673 601, भारत. NIT Campus (P.O.), Calicut, Kerala-673 601, India

Contact Details:

Office: 0495-2285301

Head: 0495-2285300

Fax: 0495-2287250

Website: www.nitc.ac.in

e-mail: chemistry@nitc.ac.in

Ref. No.:

Date:

CERTIFICATE

This is to certify that the Literature review entitled “**Synthetic Strategies of Coumarin-1,3,4 Oxadiazole Hybrids**” is a bona-fide record of the project work carried out by **Ms. Manju G Nair** (Reg. No.: SMAUMCH010) under my guidance at Heterocyclic Chemistry Laboratory, Department of Chemistry, National Institute of Technology Calicut during January, 2022 – June, 2022. The review has been carried out in partial fulfilment of the award of degree in Master of Science in Chemistry under Calicut University.

NIT Calicut
June 2022

Dr. A. Sujith
Head of the Department
Department of Chemistry
NIT Calicut



30/6/22

Dr. Janardhan Banothu
Assistant Professor
Department of Chemistry
NIT Calicut

**REVIEW ON THE DIELS ALDER REACTION FOR THE SYNTHESIS OF
POLYCYCLIC AROMATIC COMPOUNDS**

Submitted to the University of Calicut in partial fulfillments of the
requirements for the award of the degree of

**MASTER OF SCIENCE
IN
CHEMISTRY**

2020-2022

Submitted by

ASHNA ABRAHAM

Reg No: SMAUMCH009



**POST GRADUATE DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, S. BATHERY, WAYANAD**

**[NAAC Accredited with A grade]
Under the guidance of**

Dr. GEORGE MATHEW

Asst. Professor, St Mary's College Sulthan Batherly, Wayanad.

**POST GRADUATE DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE
SULTHAN BATHERY**



2020-2021

CERTIFICATE

This is to certify that literature review entitled ' REVIEW ON THE DIELS ALDER REACTION FOR THE SYNTHESIS OF POLYCYCLIC AROMATIC COMPOUNDS', Submitted to Department of Chemistry St. Mary's Collage Sulthan Bathery Wayanad in a Partial fulfillment for the award of degree in Master of Science in chemistry is an authentic record of work done by Ashna Abraham under the guidance of Dr. George Mathew, Assistant Professor Department of Chemistry St.Mary's Collage Sulthan Bathery.

Dr. George Mathew

Assistant Professor

Chemistry Department

St.Mary's Collage

Dr. Nirmala K N

Head of the Department

Chemistry Department

St.Mary's Collage

Signature of External Examiners

**NOVEL FABRICATION OF PRASEODYMIUM VANADATE
BASED ON CHOLINE CHLORIDE-UREA DEEP EUTECTIC
SOLVENTS**

Project report submitted to

UNIVERSITY OF CALICUT

In Partial Fulfillment of the Requirements for the Award of Degree of
MASTER OF SCIENCE IN CHEMISTRY

Submitted by

ANJANA A S

REGISTER NO:SMAUMCH005



**DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY**

Under the guidance of

Dr. MARY GEORGE



**DEPARTMENT OF CHEMISTRY
STELLA MARIS COLLEGE (AUTONOMOUS)
CHENNAI, TAMILNADU**

JUNE 2022

DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE, SULTHAN BATHERY



CERTIFICATE

This is certified that the work incorporated in this project entitled **“NOVEL FABRICATION OF PRASEODYMIUM VANADATE BASED ON CHOLINE CHLORIDE-UREA DEEP EUTECTIC SOLVENTS”** submitted by Miss **ANJANA A S** for the award of Master of Science in Chemistry under the supervision of **Dr. MARY GEORGE** Associate Professor Department of Chemistry, Stella Maris College (Autonomous) on 1st April to 30th June 2022.

Dr. NIRMALA K N
Head of the Department
Department of Chemistry
St. Mary's College
Sulthan Bathery

**EVALUATION OF ESTERIFICATION WITH
FLOURINATION OF RENDERED CHICKEN OIL AND
REVIEW ON FLUORINATION OF OILS**

Project report submitted to the
UNIVERSITY OF CALICUT

In partial Fulfillment of the requirements for the award of the degree of
MASTER OF SCIENCE
IN
CHEMISTRY

Submitted by
AMAL SCARIA
Reg.No.SMAUMCH003

Under the guidance of
Dr. GEORGE MATHEW



POST GRADUATE DEPARTMENT OF CHEMISTRY
ST.MARY'S COLLEGE SULTHAN BATHERY
KERALA
2020-2022

CERTIFICATE

This is to certify that the project entitled “**EVALUATION OF ESTERIFICATION WITH FLOURINATION OF RENDERED CHICKEN OIL AND REVIEW ON FLUORINATION OF OILS**” is an Authentic record of the project work done by **Mr. AMAL SCARIA** under my Supervision and guidance in partial fulfillment of the requirements for the award of Degree of *MASTER OF SCIENCE IN CHEMISTRY* through department of chemistry, St.Mary’s college, Sulthan Bathery, affiliated to the University of Calicut.



Dr. George Mathew

Supervising Teacher

Dr. Nirmala k N

Head, Department of chemistry

Department of Chemistry
St. Mary's College
Sulthan Bathery

PROJECT REVIEW ON MULTICOMPONENT REACTIONS

Submitted by

ANANYA V JOSEPH

(Reg.No. SMAUMCH004)

2021-2022

DISSERTATION ADVISOR: DR. GEORGE MATHEW

(ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY)



Submitted in partial fulfillment of the requirements for the award of the Degree Of

MASTER OF SCIENCE PROGRAMME IN CHEMISTRY

UNIVERSITY OF CALICUT

ST. MARY'S COLLEGE, SULTHAN BATHERY

CERTIFICATE

This is to certify that **ANANYA V JOSEPH (Reg.No. SMAUMCH004)** has carried out a review work entitled **REVIEW ON MULTICOMPONENT REACTIONS** is an authentic record of the review work carried by my supervision and guidance in the Department of Chemistry, St. Mary's College, Sulthan bathery. It is further certified that this review work has not previously formed the basis for the award of, any degree, Diploma fellowship or other similar title of recognition by any other University or institution.

Dr George Mathew

Assistant Professor

Dr. Nirmala K.N

Head of department

Signature of external examiners

BINARY AND TERNARY FISSION BARRIER FOR SPONTANEOUS FISSION OF CALIFORNIUM 252

Project report submitted to **UNIVERSITY OF CALICUT**. In partial fulfilment of the requirement of the aware for the degree

MASTER OF SCIENCE

IN

PHYSICS

July 2022

Submitted by

ABIN JOSE

Reg.no: SMAUMPH001



2020-2022

Under the guidance

Of

Mr. Jayesh George Joseph

Assistant Professor

Department of Physics,

St. Marys College, Sulthan Bathery

BONAFIDE CERTIFICATE



This is to certify that this project entitled '**BINARY AND TERNARY FISSION BARRIER FOR SPONTANEOUS FISSION OF CALIFORNIUM 252**', is the Bonafede record of independent work by 'ABIN JOSE'. Student of St. Marys College, Sulthan Bathery, during his period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide

Jayesh George Joseph
Assistant Professor
Department of Physics
St.Marys College,S.bathery

Head Of The Department

Ms. Shibina T
Assistant Professor
Department of Physics
St.Marys College,S.bathery



Head of the Department
P.G. Department of Physics
St. Mary's College S. Bathery

ROLE OF POTENTIAL VORTICITY INTRUSIONS ON TROPICAL CYCLONE LIFECYCLE

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
fulfilment of the requirement of the aware for the degree

MASTER OF SCIENCE

IN

PHYSICS

July 2022

Submitted by

AGNUS JOSEPH

Reg.no: SMAUMPH002



2020-2022

Under the guidance

Of

Dr. Sandhya M

BONAFIDE CERTIFICATE



This is to certify that this project entitled '**ROLE OF POTENTIAL VORTICITY INTRUSIONS ON TROPICAL CYCLONE LIFE CYCLE**', is the Bonafede record of independent work by 'AGNUS JOSEPH'. Student of St. Marys College, Sulthan Bathery, during Her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide

Dr. Sandhya M

Head Of The Department

Ms. Shibina T
Assistant Professor
Department of Physics
St.Marys College,S.bathery



Head of the Department
P.G. Department of Physics
St. Mary's College S. Bathery

ACCENTED SPEECH RECOGNITION: A REVIEW

Dissertation submitted to

University of Calicut

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

Master of Science in Physics

July 2021

By

AISWARYA M K

Reg. No.: SMAUMPH003

Department of Physics

St. Mary's College Sulthan Bathery



Under the guidance

Of

MR. SUNIL JOHN

Assistant Professor

Department of Physics,

St. Marys College, Sulthan Bathery

BONAFIDE CERTIFICATE



This is to certify that this project entitled ‘**ACCENTED SPEECH RECOGNITION: A REVIEW**’, is the Bonafede record of independent work by ‘**AISWARYA M K**’. Student of St. Marys College, Sulthan Bathery, during her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide



Mr. Sunil John
Assistant Professor
Department of Physics
St.Marys College,S.bathery

Head Of The Department



Ms. Shibina T
Assistant Professor
Department of Physics
St.Marys College,S.bathery



**Head of the Department
P.G. Department of Physics
St. Mary's College S. Bathery**

A STUDY ON NON- LINEAR FEATURE IN SPEECH PROCESSING

Dissertation submitted to

University of Calicut

In partial fulfilment for the award

of the Degree of

Master of Science in Physics

July 2021

By

AMBILY P S

Reg. No.: **SMAUMPH004**

Department of Physics

St. Mary's College Sulthan Bathery



Under the guidance

Of

MR. SUNIL JOHN

Assistant Professor

Department of Physics,

St. Marys College, Sulthan Bathery

BONAFIDE CERTIFICATE



This is to certify that this project entitled 'A STUDY ON NON LINEAR FEATURE IN SPEECH PROCESSING', is the Bonafede record of independent work by 'AMBILY P S'. Student of St. Marys College, Sulthan Bathery, during her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide



Mr. Sunil John
Assistant Professor
Department of Physics
St.Marys College,S.bathery

Head Of The Department



Ms. Shibina T
Assistant Professor
Department of Physics
St.Marys College,S.bathery



Head of the Department
P.G. Department of Physics
St. Mary's College S. Bathery

QUANTUM HAMILTON-JACOBI FORMALISM FOR CERTAIN EXACTLY SOLVABLE AND QUASI EXACTLY SOLVABLE MODELS

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
fulfilment of the requirement of the aware for the degree

MASTER OF SCIENCE

IN

PHYSICS

July 2022

Submitted by

ANN MARIA GEORGE

Reg.no: SMAUMPH005



ESTD. IN 1965

2020-2022

Under the guidance

Of

Dr. M. SENTHILVELAN

Professor

Department of Nonlinear Dynamics

Bharathidasan University

Tiruchirappalli

Tamilnadu, India

BONAFIDE CERTIFICATE



This is to certify that this project entitled '**QUANTUM HAMILTON-JACOBI FORMALISM FOR CERTAIN EXACTLY SOLVABLE AND QUASI EXACTLY SOLVABLE MODELS**', is the Bonafide record of independent work by '**ANN MARIA GEORGE**'. Student of St. Marys College, Sulthan Bathery, during Her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide

Dr. M. SENTHILVELAN
Professor
Department of Nonlinear Dynamics
Bharathidasan University
Tiruchirappalli, Tamil Nadu

Head Of The Department

Ms. Shibina T
Assistant Professor
Department of Physics
St.Marys College,S.bathery



Head of the Department
P.G. Department of Physics
St. Mary's College S. Bathery

INTERTWINING, SUPERSYMMETRY AND DARBOUX TRANSFORMATION OF DIRAC EQUATION

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
fulfilment of the requirement of the aware for the degree

MASTER OF SCIENCE

IN

PHYSICS

July 2022

Submitted by

ANUPRIYA P S

Reg.no: SMAUMPH005



ESTD. IN 1965

2020-2022

Under the guidance

Of

Dr. M. SENTHILVELAN

Professor

Department of Nonlinear Dynamics

Bharathidasan University

Tiruchirappalli

Tamilnadu, India

BONAFIDE CERTIFICATE



This is to certify that this project entitled '**INTERTWINING, SUPERSYMMETRY AND DARBOUX TRANSFORMATION OF DIRAC EQUATION**', is the Bonafede record of independent work by 'ANUPRIYA P S'. Student of St. Marys College, Sulthan Bathery, during Her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide

Dr. M. SENTHILVELAN
Professor
Department of Nonlinear Dynamics
Bharathidasan University
Tiruchirappalli, Tamil Nadu

Head Of The Department

Ms. Shibina T
Assistant Professor
Department of Physics
St.Marys College,S.bathery

Head of the Department
P.G. Department of Physics
St. Mary's College S. Bathery



**A STUDY ON ACCENT RECOGNITION USING MEL
FREQUENCY
CEPSTRAL COEFFICIENTS
(MFCC) AND AUTOCORRELATION MFCC (ACR
MFCC)**

Dissertation submitted to

University of Calicut

In partial fulfilment for the award

of the Degree of

Master of Science in Physics

July 2021

By

ARJUN P T

Reg. No.: **SMAUMPH007**

Department of Physics

St. Mary's College Sulthan Bathery



Under the guidance

Of

MR. SUNIL JOHN

Assistant Professor

*Department of Physics,
St. Marys College, Sulthan Bathery*

BONAFIDE CERTIFICATE



This is to certify that this project entitled 'A STUDY ON ACCENT RECOGNITION USING MEL FREQUENCY CEPSTRAL COEFFICIENTS (MFCC) AND AUTOCORRELATION MFCC (ACR MFCC)', is the Bonafide record of independent work by 'ARJUN P T'. Student of St. Marys College, Sulthan Bathery, during her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

Supervising Guide



Mr. Sunil John
Assistant Professor
Department of Physics
St.Marys College,S.bathery

Head Of The Department



Ms. Shibina T
Assistant Professor
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STUDY ON TWO DIMENSIONAL PHOTONIC CRYSTALS: A REVIEW

Dissertation submitted to

University of Calicut

In partial fulfilment for the award

of the Degree of

Master of Science in Physics

July 2022

By

ASWINI VASU T K

Reg. No.: SMAUMPH008

Department of Physics

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Under the guidance

Of

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BONAFIDE CERTIFICATE



This is to certify that this project entitled ‘**STUDY ON TWO DIMENSIONAL PHOTONIC CRYSTALS: A REVIEW**’, is the Bonafede record of independent work by ‘**ASWINI VASU T K**’. Student of St. Marys College, Sulthan Bathery, during her period of study under my guidance and this work has not been included in any other project submitted previously for the award of any Post Graduation degree.

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THE PERFORMANCE ANALYSIS OF DIFFERENT TEXTURED SURFACES OF PHOTOVOLTAIC MODULE

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
fulfilment of the requirement of the aware for the degree

MASTER OF SCIENCE

IN

PHYSICS

July 2022

Submitted by

GRACEN K OOMMEN

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QUASIPARTICLE MODEL OF QUARK GLUON PLASMA

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
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MASTER OF SCIENCE

IN

PHYSICS

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ISOSPIN DEPENDENCE OF NUCLEAR FORCE

Project report submitted to **UNIVERSITY OF CALICUT**. In partial fulfilment of the requirement of the aware for the degree

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IN

PHYSICS

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A REVIEW ON THREE DIMENSIONAL PHOTONIC CRYSTALS AND ITS APPLICATIONS

Dissertation submitted to

University of Calicut

In partial fulfilment for the award

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VARIATIONS STUDY OF PROPERTIES OF HALO NUCLEI

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
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MASTER OF SCIENCE

IN

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THE ANTIREFLECTIVE PROPERTIES OF THE ENCAPSULANTS OF THE PV MODULE-A STUDY OF THE OPTICAL PARAMETERSS

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
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CONFORMATIONS OF REAL CHAIN A THEORETICAL PERSPECTIVE

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
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IN

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THE REFLECTION, ABSORPTION, TRANSMISSION PROPERTIES OF DIFFERENT COLOURED GLASS COVERS OF PV MODULE-AN OPTICAL ANALYSIS

Project report submitted to **UNIVERSITY OF CALICUT**. In partial
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IN

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PROJECT REPORT
ON
BLOOD BANK MANAGEMENT SYSTEM
PROJECT WORK 2021-2022

Submitted By

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AMAL MANOJ (SMATBCA003)
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Under Guidance of

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

Of

BACHELOR OF COMPUTER APPLICATION

OF

UNIVERSITY OF CALICUT



DEPARTMENT OF BCA
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This is to certify that this project report entitled BLOOD BANK MANAGEMENT SYSTEM is a bonafide record of the project done by SNEHAPRIYA A S (SMATBCA001), AMAL MANOJ (SMATBCA003), ROBIN BABU (SMATBCA004), AJITHKUMAR M M (SMATBCA017), SARATH BABU E B (SMATBCA027), ZAHEER (SMATBCA031) of sixth semester BCA, St. Mary's college, S. Bathery, towards partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of University of Calicut.

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A PROJECT ON

ROU (Right Of Use)
[Multi Transaction Payment System at a Single Time]

SUBMITTED IN PARTIAL FULFILLMENT OF
REQUIREMENT FOR THE AWARD OF THE DEGREE

BACHELOR OF COMPUTER APPLICATIONS (BCA)

OF

CALICUT UNIVERSITY

SUBMITTED BY

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ST. MARY'S COLLEGE

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2021-2022

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This is to certify that the project entitled "**ROU (Right Of Use)**" submitted in partial fulfilment of the requirement for the award of BCA degree is a result of bona fide work carried out by

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**A PROJECT ON
WEBSITE FOR ONLINE EXAM PORTAL**

SUBMITTED IN PARTIAL FULFILLMENT OF REQUIREMENT FOR
THE AWARD OF THE DEGREE OF

BACHELOR OF COMPUTER APPLICATIONS (BCA)

OF

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**ST. MARY'S COLLEGE,
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2021-2022

**ST. MARY'S COLLEGE,
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This is to certify that the project entitled “**WEBSITE FOR ONLINE EXAM PORTAL**” submitted in partial fulfillment of the requirement for the award of BCA degree is a result of bonafide work carried out by **ABHINA MATHAI (SMATBCA005), ABIDHA RIZWAN CA (SMATBCA006), ADARSH RAVEENDRAN (SMATBCA002), AKHIN ROSHAN (SMATBCA018), AKSHAYA SURESH (SMATBCA007), ALBIN ROY (SMATBCA019)** and the year of 2021-2022.

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**A PROJECT ON
INSTITUTIONAL MANAGEMENT SYSTEM**

SUBMITTED IN PARTIAL FULFILLMENT OF REQUIREMENT FOR
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**ST. MARY'S COLLEGE,
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A PROJECT ON
WEBSITE FOR RESTAURANT MANAGEMENT SYSTEM

SUBMITTED IN PARTIAL FULFILLMENT OF
REQUIREMENT FOR THE AWARD OF THE DEGREE

BACHELOR OF COMPUTER APPLICATIONS (BCA)

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Mrs. Renie Mathews

**GREEN SYNTHESIS OF ZINC OXIDE
NANOPARTICLES FROM COSTUS STENOPHYLLUS**

*Dissertation Submitted to St. Mary's College affiliated to
University of Calicut, in partial fulfilment of the requirements
for the award of the degree of*

MASTER OF SCIENCE IN BOTANY

By

ANJANA S K

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**POST GRADUATE STUDIES IN BOTANY
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Date:

Examiners

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AQUATIC GRASSES OF KOYILANDY TALUK, KOZHIKODE DISTRICT

Dissertation submitted to the
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M.Sc. DEGREE IN BOTANY

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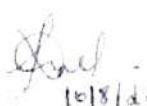


Certificate

This is to certify that this dissertation entitled **AQUATIC GRASSES OF KOYILANDI TALUK, KOZHIKODE DISTRICT, KERALA** is an authentic record of work carried out by **Ms. Arya Murali M D** (Reg. No. SMAUMBT002), Department of Botany, St. Mary's College, Sulthan Bathery in partial fulfillment of the M.Sc. Degree in Botany under my guidance.

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**TAXONOMIC STUDIES ON THE TRIBE ANDROPOGONEAE
(POACEAE: PANICOIDEAE) IN CHEMBRA HILLS,
WAYANAD DISTRICT**

Dissertation submitted to the
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In the partial fulfillment of the award of

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Certificate

This is to certify that this dissertation entitled **TAXONOMIC STUDIES ON THE TRIBE ANDROPOGONEAE (POACEAE: PANICOIDEAE) IN CHEMBRA HILLS, WAYANAD DISTRICT** is an authentic record of work carried out by Ms. **Ashajyothi** (Reg. No.: SMAUMBT003), Department of Botany, St. Mary's College, Sulthan Bathery in partial fulfillment of the M.Sc. Degree in Botany under my guidance.

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**COLONIZATION OF PTERIDOPHYTES IN LANDSLIDE
SUSCEPTIBLE AREA, PUTHUMALA**

*Dissertation Submitted to St. Mary's College affiliated to
University of Calicut, in partial fulfilment of the requirements*

for the award of the degree of

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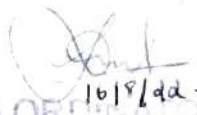
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Date: 16/08/22.

Head of the Department

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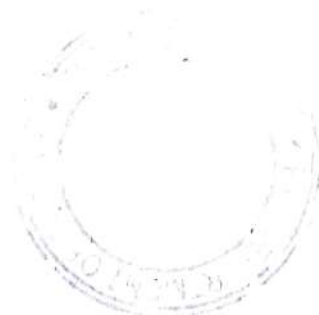
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GRASSES AND SEDGES OF MANIYANKODE RIVER BASIN, VYTHIRI TALUK, WAYANAD DISTRICT

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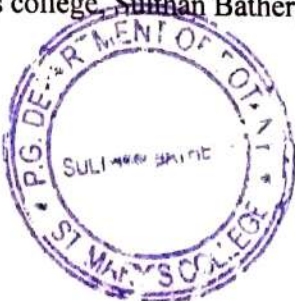
This is to certify that this dissertation entitled **GRASSES AND SEDGES OF MANIYANKODE RIVER BASIN, VYTHIRI TALUK, WAYANAD DISTRICT** is an authentic record of work carried out by Ms. **ATHIRA . C** (Reg. No. SMAUMBT005), Department of Botany, St. Mary's College, Sulthan Bathery in partial fulfillment of the M. Sc. Degree in Botany under my guidance.

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**COORDINATOR
M.Sc BOTANY**

**MORPHOLOGICAL AND ANATOMICAL STUDIES
ON SELECTED SPECIES OF PTERIDOPHYTES OF
PAITHALMALA, KANNUR DISTRICT**

Dissertation submitted to the
UNIVERSITY OF CALICUT
in the partial fulfilment of the AWARD of
MSc. DEGREE IN BOTANY

By

DELNA PAUL

(Reg.No: SMAUMBT007)



**POST GRADUATE DEPARTMENT OF BOTANY ST.MARY'S
COLLEGE, SULTHAN BATHERY,WAYANAD**

2022

**POST GRADUATE DEPARTMENT OF BOTANY
ST.MARY'S COLLEGE SULTAN BATHERY, WAYANAD**



CERTIFICATE

This is to certify that this dissertation entitled **MORPHOLOGICAL AND ANATOMICAL FEATURES OF SELECTED SPECIES OF PTERIDOPHYTES PAITHALMALA, KANNUR DISTRICT** is an authentic record of work carried out by **Ms.Delna Paul (SMAUMBT007)**, Department of Botany, St.Mary's, Sultan Bathery in partial fulfillment of the MSc. Degree in Botany under my guidance.

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Dr.Robi A. J

Assistant Professor

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**STUDIES ON SEDGES AND GRASSES OF
KOTTATHALACHI MOUNT, THABORE,
KANNUR DISTRICT**

Dissertation submitted to the
UNIVERSITY OF CALICUT
in the partial fulfilment of the AWARD of
DEGREE OF MASTER OF SCIENCE IN BOTANY

By

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2022**

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CERTIFICATE

This is to certify that this dissertation entitled **STUDIES ON SEDGES AND GRASSES OF KOTTATHALACHI MOUNT, THABORE, KANNUR DISTRICT** is an authentic record of work carried out by **Ms. Digna Paul** (Reg. No: SMAUMBT008), Department of Botany, St. Mary's College, Sulthan Bathery in partial fulfilment of the Degree of Master of Science in Botany under my guidance.

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**DIVERSITY OF INVASIVE PLANT SPECIES IN
LANDSLIDE AREA PUTHUMALA AND ITS IMPACTS**

*Dissertation Submitted to St. Mary's College affiliated to
University of Calicut, in partial fulfillment of the requirements
for the award of the degree of*

MASTER OF SCIENCE IN BOTANY

By

MAYA K RAJENDRAN

Reg.No: SMAUMBT009



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WAYANAD
JULY 2022**

**ST. MARY'S COLLEGE
DEPARTMENT OF BOTANY**



CERTIFICATE

This is to certify that the dissertation entitled "**Diversity of invasive species in landslide area, Puthumala and its impact**". It is an original research work carried out by **Ms. Maya K Rajendran** in partial fulfillment of the requirements for the Degree of Master Science in Botany of University of Calicut.

Place: BATHERY

Date: 16/8/22

**Head of the Department
Department of Botany**

St. Mary's College, Sulthan Bathery

CO...
MS...
16/8/22

Examiners

1.

2



MEDICINAL GRASSES OF SOUTH WAYANAD

Dissertation submitted to the
UNIVERSITY OF CALICUT
In the partial fulfillment of the award of

M.Sc. DEGREE IN BOTANY

By

RESHMA ROY
(Reg. No. SMAUMBT010)

Under the Guidance of

Dr. P. DILEEP
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July 2022

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Certificate

This is to certify that this dissertation entitled **MEDICINAL GRASSES OF SOUTH WAYANAD**, is an authentic record of work carried out by **Ms. RESHMA ROY** (Reg. No. SMAUMBT010), Department of Botany, St. Mary's College, Sulthan Bathery in partial fulfillment of the M.Sc. Degree in Botany under my guidance.

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**COLONIZATION OF TREES IN THE LANDSLIDE AREA
PUTHUMALA**

*Dissertation submitted to St. Mary's College affiliated to
University of Calicut, in partial fulfillment of the requirements
for the award of the degree of*

MASTER OF SCIENCE IN BOTANY

Submitted by

SHAHMA ABDULLA

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JULY 2022**

POST GRADUATE STUDIES IN BOTANY
ST. MARY'S COLLEGE SULTHAN BATHERY
WAYANAD



CERTIFICATE

This is to certify that the dissertation entitled **“COLONIZATION OF TREES IN THE LANDSLIDE AREA - PUTHUMALA”** submitted by **Shahma Abdulla** St. Mary's College, Sulthan Bathery, affiliated to the University of Calicut, in partial fulfillment of the **Degree of Master of Science in Botany** is a bonafide work carried out by her during the fourth semester of the course (2020-2022).

Place : **BATHERY**

Date : **16/08/2022**

Head of the Department

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St. Mary's College

Sulthan Bathery, Wayanad

Examiners

1.

2.



COORDINATOR
M.Sc BOTANY

GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLES FROM COSTUS SPICATUS

*Dissertation Submitted to St. Mary's College affiliated to
University of Calicut, in partial fulfilment of the requirements
for the award of the degree of*

MASTER OF SCIENCE IN BOTANY

By

SIBILA MATHEWS

Reg.No:SMAUMBT012

Under the guidance and supervision of

Dr. Satheesh George

Assistant Professor & Head of the Department of Botany(Autonomous),
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ST. JOSEPH'S COLLEGE (AUTONOMOUS), DEVAGIRI
KOZHIKODE - 673008**



CERTIFICATE

This is to certify that this dissertation entitled "**Green synthesis of zinc oxide nanoparticles from *Costus spicatus***" embodies the result of bonafide study and research carried out by **Mrs.Sibila Mathews** Department of Botany St. Mary's College, Sulthan Bathery under my guidance and supervision in partial fulfillment of Master of Science in Botany in St. Joseph's College (Autonomous), Devagiri, affiliated to University of Calicut. No part of this dissertation has been submitted for any other degree, diploma, title, or recognition before.

Dr. Satheesh George
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THE CULTIVATION METHOD AND VARIETIES OF
PEPPER IN WAYANAD: A REPORT



Project work submitted to the University of Calicut in partial fulfilment of the
requirement for awarding the Degree of
Bachelor of Science in Botany

By

Name:

Reg.No:

Under the guidance of
Rachel Thomas
(HOD & Associate Professor of Botany)



St. Mary's College, Sulthan Bathery

APRIL 2022

CERTIFICATE

This is to certify that the project entitled **The Cultivation Method And Varieties of Pepper in Wayanad : A Report** submitted to University of Calicut in the partial fulfillment of the requirement for awarding the degree of Bachelor of Science in Botany is a record of original work done by during the period of his/her study in the Department of Botany, St. Mary's college Sulthan Bathery, under my supervision and guidance.

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APRIL 2022

.....
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Examiners : -

1.

2.

*CULTIVATION METHODS AND VARIETIES OF
ARECANUT*



Project work submitted to University of Calicut in partial fulfilment of the requirement for awarding the Degree of Bachelor of Science in Botany By

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Reg No :

Under the guidance of

Dr. Simmi P S [Guest lecturer]



St. Mary's College, Sulthan Bathery

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This is to certify that the project titled "The Cultivation Method and Varieties of Arecanut" submitted to University of Calicut in the partial fulfilment of the requirement for awarding the Degree of Bachelor of Science in Botany is a record of original work done by

during the period of his/her study in the Department of Botany, St Mary's College, Sulthan Bathery, under my supervision and guidance.

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April 2022

April 2022

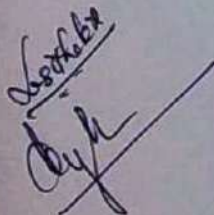
Valued with Reg.No.SMATSBO

of March /April 2022

EXAMINERS:

1.

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**THE CULTIVATION METHOD AND VARIETIES OF CASHEW IN
KERALA : A REPORT**



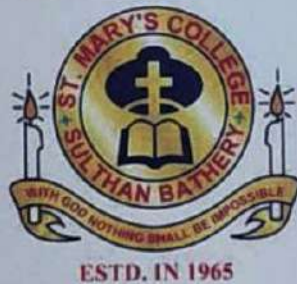
**Project work submitted to the University of Calicut in partial fulfilment of the
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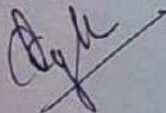
During the period of his/her study in the Department of Botany, St. Mary's college Sulthan Bathery, under my supervision and guidance.

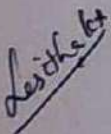
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Examiners: -

1) 

2) 

CULTIVATION METHOD AND VARIETIES OF COTTON



Project work submitted to the University of Calicut in partial fulfilment of the requirement for awarding the Degree of Bachelor of Science in Botany

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St. Mary's College, Sulthan Bathery

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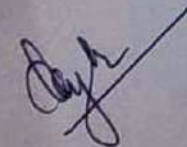
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MRS. RACHEL THOMAS
Head of the Department
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Examiners:-

1. 

2. 

CULTIVATION METHOD AND VARIETIES OF TEA



Project work submitted to University of Calicut in partial fulfillment of the requirement for awarding the Degree of Bachelor of Science in Botany

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EXAMINERS:

1.

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See the list

GOLDEN SPICE OF INDIA: CULTIVATION PRACTICES, VARIETIES AND USES



Project work submitted to the University of Calicut in partial fulfilment of the requirement for awarding the Degree of

Bachelor of Science in Botany

By

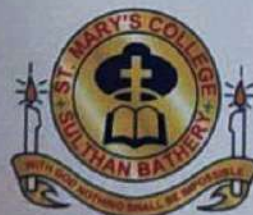
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Examiners:-

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