

#### **BONAFIDE CERTIFICATE**

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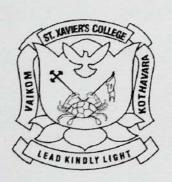
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# A Study On India - Srilanka Relations – Challenges and Opportunities

Project submitted in partial fulfilment of the requirement of the Bachelor of Arts in

B.A. POLITICAL SCIENCE MODEL-II MASS COMMUNICATION AND JOURNALISM

MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA



Submitted by

ARYAN REGHU, ADARSH P SHAJI, AKASH BABU, HARISANKAR PP, AMMU A.V, NIZAMUL HAQUE V.M, MOHAMMED RASHID, VARSHA K.V

Department of Political science and journalism

ST. XAVIER'S COLLEGE VAIKOM

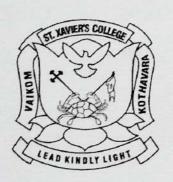
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RADHU K RAJU, ALDHI MANOJ, ARJUN S, NANDU UDAYAN,
BINCY BIJU, ATHUL CHATTERJI, AKSHARA SHAJI,
ASWATHY SANTHOSH

Project submitted in partial fulfilment of the requirement of the

Bachelor of Arts in

#### B.A. POLITICAL SCIENCE MODEL-II MASS COMMUNICATION AND JOURNALISM

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B.A. POLITICAL SCIENCE MODEL-II
MASS COMMUNICATION AND JOURNALISM
MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA



Submitted by

VINAYAK N.G, BINCY K.M, TINTU XAVIER, THARAMOL SABU, HARILAL N.S, JEEVA N.O, JYOTHSNA V.R AND REVATHY VINOD

DEPARTMENT OF POLITICAL SCIENCE AND JOURNALISM

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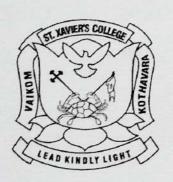
DEPARTMENT OF POLITICAL SCIENCE AND JOURNALISM

### A Study On India - Srilanka Relations – Challenges and Opportunities

Project submitted in partial fulfilment of the requirement of the Bachelor of Arts in

B.A. POLITICAL SCIENCE MODEL-II MASS COMMUNICATION AND JOURNALISM

MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA



Submitted by

ARYAN REGHU, ADARSH P SHAJI, AKASH BABU,
HARISANKAR PP, AMMU A.V, NIZAMUL HAQUE V.M,
MOHAMMED RASHID, VARSHA K.V

Department of Political science and journalism

ST. XAVIER'S COLLEGE VAIKOM

A Project report submitted in partial fulfilment of the requirement for the award of the degree of Bachelor of Arts in

B.A. POLITICAL SCIENCE MODEL-II
MASS COMMUNICATION AND JOURNALISM
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Department of Political science and journalism

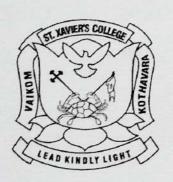
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#### B.A. POLITICAL SCIENCE MODEL-II MASS COMMUNICATION AND JOURNALISM

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ASWATHY SANTHOSH

Project submitted in partial fulfillment of the requirement of the

Bachelor of Arts in

# B.A. POLITICAL SCIENCE MODEL-II MASS COMMUNICATION AND JOURNALISM MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA



Submitted by

ANAKHA PRADEEP, ANJALI T M, SIVASREE M U, SNEHA JOHN M J,
SREELAKSHMI P, AISWARY A LEKSHMI P, ALAN ANTONY,
ASWAROODA RAJENDRA BHOOMINADHAN THAMPURAN

Department of Political science and journalism

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B.A. POLITICAL SCIENCE MODEL-II

MASS COMMUNICATION AND JOURNALISM

MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA



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MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA



Submitted by

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DEPARTMENT OF POLITICAL SCIENCE AND JOURNALISM

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Submitted by

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Department of Political science and journalism

ST. XAVIER'S COLLEGE VAIKOM

ST XAVIERS COLLEGE, VAIKOM, KOTHAVARA
DEPARTMENT OF PHYSICS

STUDENTS PROJECT, ACADEMIC YEAR 2020-2023

#### KOTHAVARA, VAIKOM

Affiliated to Mahatma Gandhi University, Kottayam



Submitted in partial fulfilment of the requirement for the degree of the

### **BACHELOR OF SCIENCE IN PHYSICS**

Project report

**Vame** 

: AADITHYA.K.S

Project

: THERMOELECTRIC GENERATOR

Reg no.

: 200021038379

'ear of work

: 2023

KOTHAVARA, VAIKOM

### CERTIFICATE

PROJECT ENTITLED IS TO CERTIFY THAT THE THIS THERMOELECTRIC GENERATOR DONE BY AADITHYA.K.S IN THE PARTIAL FULFILMENT OF THE DEGREE OF BACHELOR'S OF SCIENCE IN PHYSICS UNDER MAHATMA GANDHI UNIVERSITY IS THE FACULTY OF SCIENCE UNDER OUR SUPERVISION AND GUIDANCE.

DR .BIJUMON.C.C

DEPARTMENT OF PHYSICS.

**DR.TOMY JOSEPH** 

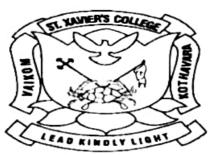
DEPARTMENT OF PHYSICS

**EXAMINER:** 

1) John. C John. Coopy Jones Cololis

### KOTHAVARA, VAIKOM

Affiliated to Mahatma Gandhi University, Kottayam



Submitted in partial fulfilment of the requirement for the degree of the

### **BACHELOR OF SCIENCE IN PHYSICS**

Project report

Name

AKSHITHA V

Project

: AIR COOLER

Year of work : 2023

Kothavara vaikom

#### **CERTIFICATE**

THIS IS TO CERTIFY THAT THE PROJECT ENTITIED AIR COOLER DONE BY AKSHITHA V IN THE PARTIAL FULFILMENT OF THE DEGREE OF BACHELOR'S OF SCINENCE IN PHYSICS UNDER MAHATMA GANDHI UNIVERSITY IS THE FACULTY OF SCINENCE UNDER OUR SUPERVISION AND GUIDANCE.

DR. TOMY JOSEPH

H.O.D OF DEPARTMENT OF PHYSICS +

DR.BIJUMON.C. C

DEPARTMENT OF PHYSICS

**EXAMINER:** 

1) John Coseps Comments

KOTHAVARA, VAIKOM-686 607

Affiliated to Mahatma Gandhi University, Kottayam



In partial fulfilment of the requirement for the award of the Bachelor's Degree in Physics

#### PROJECT REPORT

Name

: ALFIN THOMAS

University reg no

: 200021038380

**Project** 

: Study of the dependence of the

refractive index of sugar and salt

solution on concentration and

temperature

Year of work

: 2023

This is to certify that the project is the work done by ALFIN THOMAS under the guidance of Dr. BIJUMON C.C

# ST. XAVIER'S COLLEGE, VAIKOM

This is to that project entitled "Study of the dependence of the refractive index of sugar and salt solution on concentration and temperature" done by Alfin Thomas partial fulfilment of the degree of Bachelor of Science in Physics under Mahatma Gandhi University under the faculty of science under my supervision and guidance,

Dr. BIJUMON C.C Department of Physics Dr. TOMY JOSEPH

Head of Department of Physics

BETTYMOL JOY Guiding Teacher

Examiners

1. John.C

2. Do Domy Joseph Glst

#### KOTHAVARA, VAIKOM

Affiliated to Mahatma Gandhi University, Kottayam



○ ○ ○ ○ ○ ○ ○ ○ Submitted in partial fulfilment of the requirement for the degree of the

### BACHELOR OF SCIENCE IN PHYSICS

#### Project report

16:19 18 19 19 11

Name : AMINA.K.M

Project : THERMOELECTRIC GENERATOR

Reg no.

: 200021038381

Year of work : 2023

# ST XAVIER'S COLLEGE

KOTHAVARA, VAIKOM

# **CERTIFICATE**

THIS IS TO CERTIFY THAT THE PROJECT ENTITLED THERMOELECTRIC GENERATOR DONE BY AMINA.KM IN THE PARTIAL FULFILMENT OF THE DEGREE OF BACHELOR'S OF SCIENCE IN PHYSICS UNDER MAHATMA GANDHI UNIVERSITY IS THE FACULTY OF SCIENCE UNDER OUR SUPERVISION AND GUIDANCE.

DR .BIJUMON.C.C

DEPARTMENT OF PHYSICS.

DR.TOMY JOSEPH

**DEPARTMENT OF PHYSICS** 

**EXAMINER:** 

1) John.

2) Do. Tomy

10542) (12/2)

# ST. XAVIER'S COLLEGE VAIKOM, KOTHAVARA



In partial fulfillment of the requirements for the award of the

**Bachelor Degree in PHYSICS** 

PROJECT REPORT

Name

ANJALI.A

University Reg. No.

200021038382

Project

Effect of direction and tilt angle of solar

cells on power generated

Year of work

2023

# ST.XAVIER'SCOLLEGE VAIKOM,KOTHAVARA

# **CERTIFICATION**

This is to that the project entitled "Effect of direction and tilt angle of solar cells on power generated" done by Anjali. A in the partial fulfillment of the degree of Bachelor of Science in Physics under Mahatma Gandhi University under the faculty of Science under my supervision and guidance.

Prof. Dr. Bijumon C. C

Supervising Teacher

Dr. Tomy Joseph

**Head of Department of Physics** 

Valued By

Examiner 2 Do. Porry Poscyts Lemon Glatins

# ST.XAVIER'S COLEGE VAIKOM KOTHAVARA

Affiliated to mahatma gandhi university, kottayam



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

# PROJECT REPORT

Name.

ANJALI RAJ

University reg no:

200021038366

Project

: Automatic plant irrigation using

soil moisture sensor

Year of work

2023

# ST.XAVIER'S COLLEGE VAIKOM

# <u>CERTIFICATE</u>

This is to certify that the project entitled' AUTOMATIC PLANT IRRIGATION SYSTEM' done by ANJALI RAJ in partial fulfilment of the award of bachelor's degree in physics under mahatma gandhi university, under faculty of science under my supervision and guidance.

Prof. Dr. Bijumon c.c

Dr. Tomy josph

Supervising teacher

head of department physics

Valued by

Examiner 1

ohnic Ti

Examiner 2 Do Pomy Joseph Comon 615/23

# ST. XAVIER'S COLLEGE VAIKOM, KOTHAVARA



In partial fulfilment of the requirements for the award of the

# **Bachelor Degree in Physics**

### **PROJECT REPORT**

Name

:Anjali Rathiyappan

University Reg. No :200021038383

Project

:Effect of Temperature on Viscosity

Year of work

:2023

THIS IS TO CERTIFY THAT THE PROJECT ENTITLED "EFFECT OF TEMPERATURE ON VISCOSITY" DONE BY ANJALI RATHIYAPPAN IN THE PARTIAL FULFILMENT OF THE DEGREE OF BACHELOR'S OF SCIENCE IN PHYSICS UNDER MAHATMA GANDHI UNIVERSITY IS THE FACULITY OF SCIENCE UNDER OUR SUPERVISION AND GUIDANCE.

DR.BIJUMON.C.C

**DR.TOMY JOSEPH** 

Department of physics

Department of physics

#### **EXAMINER:**

1) Johnic Joseph Comments

# ST. XAVIERS COLLEGE

VAIKOM, KOTHAVARA, 686607

Affiliated to Mahatma Gandhi University, Kottayam



In partial fulfilment of the requirement for the award of the Bachelor's Degree in Physics

### **PROJECT REPORT**

NAME

: ASWANI BABU

PRN

: 200021038369

PROJECT

: STUDY OF YOUNGS MODULUS OF DIFFERENT KINDS

**OF WOODS** 

YEAR OF WORK: 2022-2023

This is to certify that the project entitled "STUDY OF YOUNGS MODULUS OF DIFFERENT KINDS OF WOODS" done by Aswani Babu in the partial fulfilment of the degree of bachelors of science in physics from Mahatma Gandhi university under the faculty of science is under my guidance and supervision.

Dr. Bijumon C C  $\nearrow$ 

Department of physics

Dr. Tomy Joseph

H.O.D, Physics

External examiner

Do. Domy Sup Command GIS/23

# ST. XAVIER'S COLLEGE VAIKOM, KOTHAVARA

Affiliated to Mahatma Gandhi University, Kottayam



In partial fulfillment of the requirements for the award of the

**Bachelor Degree in PHYSICS** 

PROJECT REPORT

Name

ATHIRA. PRADEEP

University Reg. No.

200021038384

**Project** 

Effect of direction and tilt angle of solar

cells on power generated

Year of work

2023

# ST. XAVIER'S COLLEGE VAIKOM, KOTHAVARA

# CERTIFICATION

his is to that the project entitled "Effect of direction and tilt angle of solar ells on power generated" done by Athira. Pradeep in the partial fulfillment of the degree of Bachelor of Science in Physics under Mahatma Gandhi Iniversity under the faculty of Science under my supervision and guidance.

Prof. Dr. Bijumon C. C

Head of Department of Physics

√alued By

Examiner 2 Do. Torry Joseph Common Glo (2)

# ST XAVIER'S COLLEGE

# VAIKOM, KOTHAVARA

Affiliated to Mahatma Gandhi University, Kottayam



Submitted in partial fulfilment of the requirement for the degree of

# BACHELOR OF SCIENCE IN PHYSICS

#### **PROJECT REPORT**

NAME

: AVANI REMESH

UNIVERSITY REG NO

: 200021038385

**PROJECT** 

: SOLAR COOKING ARRANGEMENT

YEAR OF WORK : 2023

This is to certify that the project is the work done By AVANI REMESH

Under the Guidance of Dr.BIJUMON C C

This is to certify that this dissertation entitled as "SOLAR COOKING ARRANGEMENT" is an authentic record of the work carried out by AVANI REMESH final year student of BSc physics under my guidance.

Dr. BIJUMON C.C

Supervising Teacher

**HOD** of Physics

Mis. BETTYMOL

Guiding teacher

**VALUED BY:** 

Examiner 2 Do. Tomy Joseph Comments

# ST.XAVIER'S COLLEGE VAIKOM, KOTHAVARA



In partial fulfillment of the requirements for the award of the

Bachelor Degree in PHYSICS

#### PROJECT REPORT

Name.

: GEETHU GIRISH

University Reg. No.

: 200021038372

Project.

: Effect of Temperature on Viscosity

Year of work.

:2023

THIS IS TO CERTIFY THAT THE PROJECT ENTITLED" EFFECT OF TEMPERATURE ON VISCOSITY"DONE BY GEETHU GIRISH IN THE PARTIAL FULFILLMENT OF THE DEGREE OF BACHELOR'S OF SCIENCE IN PHYSICS UNDER MAHATMA GANDHI UNIVERSITY IS THE FACULTY OF SCIENCE UNDER OUR SUPERVISION AND GUIDENCE.

DR. BIJUMON.C.C.

DR TOM

DEPARTMENT OF PHYSICS.

DEPARTMENT OF PHYSICS

EXAMINER

1) Johnic Tooks 2) Por Joney Jacques Commission

# ST. XAVIER'S COLLEGE

KOTHAVARA, VAIKOM-686 607

Affiliated to Mahatma Gandhi University, Kottayam



In partial fulfilment of the requirement for the award of the Bachelor's Degree in Physics

#### PROJECT REPORT

Name

: HARISANKAR B

University reg no

: 200021038386

**Project** 

: Study of the dependence of the

refractive index of sugar and salt

solution on concentration and

temperature

Year of work

: 2023

This is to certify that the project is the work done by HARISANKAR B under the guidance of Dr. BIJUMON C.C

# ST. XAVIER'S COLLEGE, VAIKOM

#### CERTIFICATE

This is to that project entitled "Study of the dependence of the refractive index of sugar and salt solution on concentration and temperature" done by Harisankar B partial fulfilment of the degree of Bachelor of Science in Physics under Mahatma Gandhi University under the faculty of science under my supervision and guidance,

Dr. BIJUMON C.C Department of Physics

Dr. TOMY JOSEPH Head of Department of Physics

**BETTYMOLJOY Guiding Teacher** 

Examiners

1. John: Joseph Joseph Comp. 2. Do. Pomy Joseph Comp. 32.3

# ST.XAVIER'S COLLEGE VAIKOM

KOTHAVARA, VAIKOM -686 607

AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM



Submitted in partial fulfilment of the requirement for the degree of the

#### **BACHELOR OF SCIENCE IN PHYSICS**

#### **PROJECT REPORT**

Name : JITHU JOSEPH

UNIVERSITY REG NO : 200021038372

PROJECT : SEA WALL

YEAR OF WORK : 2023

This is to certify that the project is the work done by JITHU JOSEPH under the guidance of Dr.BIJUMON CC

# ST.XAVIER'S COLLEGE, VAIKOM

### **CERTIFICATE**

This is to that project entitled "SEA WALL" done by JITHU JOSEPH in partial fulfillment of the degree of Bachelor of Science in Physics under Mahatma Gandhi University under the faculty of Science under my supervision and guidance,

Dr. BIJUMON C.C.

Department of Physics.

Dr. TOMY JOSEPH

**Head of Department of Physics** 

**BETTYMOL JOY** 

**Guiding Teacher** 

Examiners

1. John. c John 2. Do. Pomy Joseph Commy 615(2)

# ST XAVIER'S COLLEGE

# VAIKOM, KOTHAVARA

Affiliated to Mahatma Gandhi University, Kottayam



Submitted in partial fulfilment of the requirement for the degree of

# **BACHELOR OF SCIENCE IN PHYSICS**

#### PROJECT REPORT

NAME

: KRISHNA MADHU

UNIVERSITY REG NO

: 200021038373

**PROJECT** 

: SMART FIRE DETECTION SYSTEM

WITH WATER HEAD SPRINKLER

YEAR OF WORK

: 2023

This is to certify that the project is the work done by KRISHNA MADHU

Under the Guidance of Dr.BIJUMON C C

This is to certify that the main project entitled "Smart fire detection system with water head sprinkler" done by Krishna Madhu in the partial fulfillment of the degree of Bachelor of Science in Physics under Mahatma Gandhi University under the faculty of science under my supervision and guidance.

Dr. TOMY JOSEPH

Supervising Teacher

**HOD** of Physics

Valued By

Examiner 2 Do. Tony Joseph Compy South Colstis

# ST.XAVIER'S COLLEGE VAIKOM

KOTHAVARA, VAIKOM -686 607

AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM



Submitted in partial fulfilment of the requirement for the degree of the

#### **BACHELOR OF SCIENCE IN PHYSICS**

#### PROJECT REPORT

Name : NAVEEN JOY

UNIVERSITY REG NO : 200021038374

PROJECT : SEA WALL

YEAR OF WORK : 2023

This is to certify that the project is the work done by NAVEEN JOY under the guidance of Dr.BIJUMON CC

# ST.XAVIER'S COLLEGE, VAIKOM

#### **CERTIFICATE**

This is to that project entitled "SEA WALL" done by NAVEEN JOY in partial fulfillment of the degree of Bachelor of Science in Physics under Mahatma Gandhi University under the faculty of Science under my supervision and guidance,

Dr. BIJUMON C.C.

Department of Physics.

Dr. TOMY JOSEPH

**Head of Department of Physics** 

**BETTYMOL JOY** 

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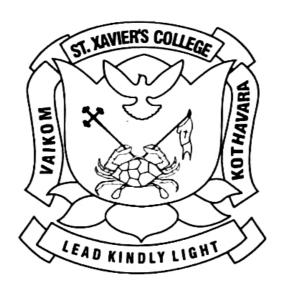
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# ST.XAVIER'S COLLEGE

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Year of work

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**NUMBER OF A LIQUID** 

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#### Supporting Documents of Internship, OJT& Project Work Year 2022-2023

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Place: Kochi

Date: 18.02.2023



# A STUDY OF THE NATURE AND CHALLENGES OF HOUSE KEEPING WORKERS OF KERALA:

A case study of Indo-American Hospital Chemmanakari

Project submitted to the Mahatma Gandhi University in partial fulfillment of the requirement for the award of degree of

Bachelor Degree in Economics submitted by

AMRUTHA LAKSHMI -Reg. No . 200021015759

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Under the supervision and guidance of Dr. Tomy Joseph



Department of Economics
St. Xavier's College, Vaikom
May 2023

# A STUDY ON THE IMPACT OF PRIMARY HEALTH CENTRE ON THE GENERAL PUBLIC HEALTH

# A CASE STUDY IN THALAYAZHAM PANCHAYATH

Project work submitted to the mahatma Gandhi University in practical

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March 2023

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### "SOCIO ECONOMIC STATUS OF INLAND FISHERMAN IN KERALA WITH SPECIAL REFERENCE TO T V PURAM PANCHAYATH"

Project submitted to the Mahatma Gandhi University, Kottayam for the partial fulfilment of the requirement for the award of Degree in BATCHELOR OF ECONOMICS

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# CONSUMER BEHAVIOUR TOWARDS ONLINE SHOPPING IN RURAL AREAS OF KERALA: AN ANALYTICAL STUDY WITH SPECIAL REFERENCE TO THALAYAZHAM GRAMA PANCHAYAT

Project work submitted to Mahatma Gandhi University, Kottayam for the partial fulfillment of the requirement of the award of Bachelor's Degree in Economics

By

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St. Xavier's College

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MAY 2023

"Economic condition of coir industry in Kerala special references to coir workers in TV Puram Panchayat"

Dissertation submitted to Mahatma Gandhi University, Kottayam.

In partial fulfillment of the requirement for BA Economics (CBCSS)

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# MAHATMA GANDHI NATIONAL RURAL EMPLOYMENT GURANTEE SCHEME IN KERALA: A STUDY WITH REFERENCE TO THALAYAZHAM GRAMA PANCHAYAT

Dissertation submitted to the Mahatma Gandhi University. Kottayam in partial fulfillment of the requirement for the Degree of BACHELOR OF ARTS IN ECONOMICS

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# A CONSUMER LEVEL STUDY ON THE EFFECTIVE FUNCTIONING OF PUBLIC DISTRIBUTION SYSTEM WITH REFERENCE TO UDAYANAPURAM PANCHAYAT

Project submitted to

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1	ANUPAMA K S	200021041947	Study of butterfly fauna in Thalayazham Panchayath
2	ASWATHYKUTTY P T	200021041948	locality Study of odonates in Thalayazham Panchayath
3	ATHULYA MANOJ	200021041949	Study of Vulvovaginis among student community of Valkom area
4	DON ANN SABU	200021041950	Comparison of Water Quality Parameters in an Aquaponics System
5	JOEL THOMAS	200021041951	Comparison of Hatching Efficiencies of Artemia cysts in different salinities
6	OLOL ANZOL	200021041952	Comparative study of TPC in peeled prawn and unpeeled prawn
7	MADHAV S	200021041953	Studies on the Morphometrics of three species of catfishes from Vaikom backwaters  Detection of adulterant in commonly used food
8	NAYANA K V	200021041954	ingredients  Comparative study of TPC in fresh flesh and boiled flesh
9	SANDRA RAMESAN	200021041955	of oil sardine  Effects of different concentrations of salinity in seed
10	SREEJITH R	200021041956	germination
11	YADHUKRISHAN K S	200021041957	Covid-19 impact on Human kind  Comparative study of TPC in Fresh silver belly and Dried
12	AHANA CHANDRAN	200021041958	Silver Belly Study of comparison between BMI and pulse rate of
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15	ANANDU C A	200021041961	Analysis and Comparative Study of Retention Factor Values Of Lamiaceae Plants Using Paper Chromatography Study of diversity of pteridophytes in St Xavier's Colleg
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17 18	JEENA ANTONY	200021041964	Comparative study of TPC in fresh clam and boiled clar Study on common disesases found in cattle of vechoor
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21	KRISHNAPRIYA M	200021041967	black clam (Villorita cyprinoides) from Valkon Estation waters  Coudies on the Relative Gut Length and Relative stome
22	LAKSHMY M S	200021041968	length in some indigenous fishes  Comparitive study of TPC in fresh prawn and dried
23	PRIYANKA PRAKASHAN	200021041969	prawn
24	SANDRA K S	200021041971	Study of relationship between but

This is to certify that this dissertataion entitled "Study of butterfly fauna in THALAYAZHAM PANCHAYATH LOCALITY is an authentic record of the work carried out by **ANUPAMA KS**, final year student of B.Sc Zoology[Vocational]Aquaculture, under my guidance.

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This is to certify that this dissertation entitled **COMPARISON OF HATCHING EFFICIENCIES OF ARTEMIA CYSTS IN DIFFERENT SALINITIES** is an authentic record of the work carried out by **JOEL THOMAS** final year student of B.Sc. Zoology (Vocational) Aquaculture, under my guidance.

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This is to certify that this dissertation entitled 'STUDIES ON THE MORPHOMETRICS OF THREE SPECIES OF CATFISHES FROM VAIKOM BACKWATERS is an authentic record of the work carried out by MADHAV S final year student of B.Sc. Zoology (Vocational) Aquaculture, under my guidance.

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for Smt. SHIJINA K.R

(Supervising Teacher)

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This is to certify that this dissertation entitled "COMPARITIVE STUDY OF DELLY" is an TPC IN FRESH SILVER BELLY AND DRIED SILVER BELLY" is an authentic record of the work carried by AHANA CHANDRAN final year student of Bsc. Zoology (Vocational) aquaculture, under my guidance.

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### **CERTIFICATE**

This is to certify that this dissertation entitled "COMPARISON BETWEEN BMI & PULSE RATE IN ATHLETIC & NON-ATHLETIC STUDENTS" is an authentic record of the work carried out by ALEEMA A final year student of B. Sc. Zoology (Vocational) Aquaculture, under my guidance.

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This is to certify that this dissertation entitled

"Study of Medicinal plants in Udayamperoor Panchayath" is an authentic record of work carried out by AMALKRISHNA B, final year student of BSc. Zoology (Vocational) Aquaculture, under my guidance.

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This is to certify that the dissertation entitled "ANALYSIS AND COMPARITIVE STUDY OF RETENTION FACTOR VALUES OF LAMIACEAE PLANTS USING PAPER CHROMATOGRAPHY"is an authentic record of the work carried out by ANANDU C A, final year student of B.Sc. Zoology (Vocational) Aquaculture, under my guidance.

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This is to certify that this dissertation entitled COMPARITIVE STUDY OF TPC OF FRESH CLAM AND BOILED CLAM is an authentic record of the work carried by JEENA ANTONY final year student of B.Sc Zoology[Vocational]aquaculture ,under my guidance

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# **CERTIFICATE**

This is to certify that this dissertation entitled STUDIES ON THE MORPHOMETRICS AND CONDITION INDEX OF THE BLACK CLAM, VILLORITA CYPRINOIDES, FROM VAIKOM BACKWATERS, is an authentic record of the work carried out by KRISHNAPRIYA M, final year student of B.Sc. Zoology (Vocational) Aquaculture, under my guidance.

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This is to certify that this dissertation entitled STUDIES OF THE RELATIVE GUT LENGTH AND RELATIVE STOMACH LENGTH IN SOME INDIGENOUS FISHES is an authentic record of the work carried out by LAKSHMY M S final year student of B.Sc. Zoology (Vocational) Aquaculture, under my guidance.

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This is to certify that this dissertation "STUDY OF BODY MASS INDEX AND PULSE RATE IN STUDENTS" is an authentic record of the work carried out by SURYAMOL K. U final year student of B.Sc Zoology under my guidance.

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# "A STUDY ON FINANCIAL LITERACY AND FINANCIAL WELLBEING AMONG LOW INCOME PEOPLE"

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# "A STUDY ON THE IMPACT OF E-LEARNING APPS AMONG YOUNGSTERS"

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Place: Vaikom Date: 28-04-2023

# "A STUDY ON IMPACT OF SOCIAL MEDIA MARKETING ON CONSUMER PERCEPTION"

Dissertation submitted to Mahatma Gandhi University, Kottayam in partial fulfilment of the requirement for the award of the degree of Bachelor Degree of Commerce

#### Submitted by

ANUJA P SANTHOSH (REG. NO. 200021074794)

HARITHA C NARAYANAN (REG. NO. 200021074815)

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Under the supervision and guidance of MRS.DHANYA VIJAYAN



DEPARTMENT OF COMMERCE ST. XAVIERS COLLEGE VAIKOM 2020-2023

### "A STUDY ON IMPACT OF SOCIAL MEDIA MARKETING ON CONSUMER PERCEPTION"

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### CASHLESS ECONOMY: THE BEHAVIOR OF USING E-PAYMENT

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillment of the requirement for the degree of

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### CASHLESS ECONOMY: THE BEHAVIOR OF USING E-PAYMENT

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I hereby declare that the above project titled" Cashless Economy: The behavior of using E-payment system" Is a bonafide piece of research work done by Adheena Satheesan, Aryamol.S , G.Jyothi Lakshmi in partial fulfillment of the bachelor of Commerce in Mahatma Gandhi University under my supervision.

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# "A STUDY ON CUSTOMER SATISFACTION OF E – VEHICLES"

Mahatma Project submitted to the Gandhi University, Kottayam in partial fulfilment of the requirement for the degree of

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l, hereby declare that the project titled "A Study on the Customer Satisfaction of E-Vehicle" is a bonafide piece of research work done by Adarsh R, Binu T M, Issac Sony in partial fulfilment of the Bachelor of Commerce in Mahatma Gandhi University under my supervision.

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### "A STUDY ON AWARENESS AND PERCEPTION OF CUSTOMERS ABOUT GREEN BANKING PRACTICES IN SBI WITH SPECIAL REFERENCE TO VAIKOM TALUK"

Submitted to

Mahatma Gandhi University, Kottayam in partial fulfilment of the requirements for the award of Bachelor Degree in

BACHELOR OF COMMERCE

2020-2023

Submitted By

FEBHA VARGHESE

(Reg No: 200021074811)

NANDANA PRADEEP (Reg No: 200021074819)

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# "A STUDY ON AWARENESS AND PERCEPTION OF CUSTOMERS ABOUT GREEN BANKING PRACTICES IN SBI WITH SPECIAL REFERENCE TO VAIKOM TALUK"

Submitted to

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I, hereby declare that the project titled "A Study on Awareness and Perception of Customers about Green Banking Practices in SBI with Special Reference to Vaikom Taluk" is a bonafide piece of research work done by Febha Varghese and Nandana Pradeep in partial fulfilment of the Bachelor of Commerce in Mahatma Gandhi University under my supervision.

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### "A STUDY ON THE TOPIC GENDER STEREOTYPING IN INDIAN ADVERTISEMENTS"

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillment of the requirement for the degree of

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# "A STUDY ON THE TOPIC GENDER STEREOTYPING IN INDIAN ADVERTISEMENTS"

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillmentof the requirement for the degree of

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I, hereby declare that the project titled "A Study on the Topic Gender Stereotyping in Indian Advertisement" is a bonafide piece of research work done by Amal Antony, Anjali Shaji and Hemanth V L in the partial fulfilment of Bachelor of Commerce in Mahatma Gandhi University under my supervision.

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# TOPIC:- A STUDY ON INVESTMENT BEHAVIOR AND PATTERN OF INVESTMENT WITH SPECIAL REFERENCE TO KOTTAYAM DISTRICT

Dissertation Submitted to the Mahatma Gandhi University in Partial Fulfilment of the requirement for the award of the degree of

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Submitted by

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Place: Vaikom

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# "A STUDY ON USER PERCEPTION AND SATISFACTION TOWARDS OTT PLATFORMS WITH REGARD TO BINGE-WATCHING"

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# "The Impact Of Work Family Conflict On Work Life Balance

And Job Performance: A Study On Nurses"

Dissertation Submitted to the Mahatma Gandhi University in Partial Fulfilment of the requirement for the award of the degree of

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POST GRADUATE DEPARTMENT OF COMMERCE

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MARCH 2023

# "The Impact Of Work Family Conflict On Work Life Balance And Job Performance: A Study On Nurses"

Dissertation Submitted to the Mahatma Gandhi University in Partial Fulfilment of the requirement for the award of the degree of

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2001-2023

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**MARCH 2023** 



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Countersigned by:

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Place: Vaikom

Date: 30-03-2023

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### **CERTIFICATE**

Certified that the dissertation work entitled "A STUDY ON AWARENESS AND PERCEPTION TOWARDS MOBILE BANKING APPILICATIONS AMONG PG STUDENTS WITH SPECIAL REFERENCE TO KOTTAYAM DISTRICT" is a Bonafede record of work done independently by Ms. Treesa Mariya Joseph a fourth semester M.com student in Department of Commerce during the academic year 2021-2023 under my guidance and supervision.

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# "INFLUENCE OF SOCIAL MEDIA ADVERTISING ON CUSTOMER BUYING BEHAVIOUR OF GENERATION Y AND Z"

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillment of the requirement for the degree of

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Submitted by

### JAYALAKSHMI C S

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Under the guidance of

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I, hereby declare that the project titled "Influence of Social Media Advertising on Customer Buying Behaviour of Generation Y and Z" is a bonafide piece of research work done by Jayalakshmi C S in partial fulfillment of the Master of Commerce in Mahatma Gandhi University under my supervision.

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Date: 30-03-2023

P.G DEPT. OF COMMERCE ST. XAVIER'S COLLEGE VAIKOM ST. XAVIER'S COLLEGE VAIKOM KOTHAVARA P.O. 686607 KOTHAVARA (DIST)

### "A STUDY ON ONLINE BUYING BEHAVIOUR OF CONSUMERS IN KERARA

Dissertation submitted to Mahatma Gandhi University, Kottayam In Partial fulfillment of the Requirement for

M.Com Degree (C.S.S) Programme

Submitted by;

ATHIRA K A (REG.NO.210011026762)

Under the supervision and guidance of

**Dr. TITTO VARGHESE** 

(ASSISTANT PROFESSOR, PG DEPARTMENT OF COMMERCE)



P G DEPARTMENT OF COMMERCE St. Xavier's College, Vaikom MARCH 2023

### POSTGRADUATE DEPARTMENT OF COMMERCE

### ST. XAVIER'S COLLEGE VAIKOM



### **CERTIFICATE**

Certified that the dissertation work entitled "A Study on Online Buying Behavior of Consumers in Kerala" is a bonafide record of work done independently by MS.ATHIRA K A, a fourth semester M.Com student in the Department of Commerce during the academic year 2022-2023 under my guidance and supervision.

Titto Varghese, Ph. D

**Assistant Professor** 

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Counter Signed by:

Mrs. Anju T A

Head, PG Department of Commerce

St. Xaviers College, Vaikom

# "CONSUMER BEHAVIOUR TOWARDS INSTANT FOOD PRODUCTS IN ERNAKULAM DISTRICT"

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillment of the requirement of the degree of

### MASTER OF COMMERCE

Submitted by

### AISWARYA SABU K

(Reg No: 210011026758)

Under the guidance of

### Mrs. AMALA JOSEPH

(ASSISTANT PROFESSOR, PG DEPARTMENT OF COMMERCE)



### PROJECT REPORT

PG DEPARTMENT OF COMMERCE

ST. XAVIER'S COLLEGE VAIKOM

**MARCH 2023** 

# 

### **CERTIFICATE**

I, hereby declare that the project title "CONSUMER BEHAVIOUR TOWARDS INSTANT FOOD PRODUCTS IN ERNAKULAM DISTRICT" is a bonafide piece of research work done by Aiswarya Sabu K in partial fulfillment of the Master of Commerce in Mahatma Gandhi University under my supervision.

Mrs. Amala Joseph

**Assistant Professor** 

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Counter Signed by:

Mrs. Anju T A

Head, PG Department of Commerce

St. Xaviers College, Vaikom

# "The Impact Of Work Family Conflict On Work Life Balance And Job Performance: A Study On Nurses"

Dissertation Submitted to the Mahatma Gandhi University in Partial Fulfilment of the requirement for the award of the degree of

### **MASTER OF COMMERCE**

Submitted by

### PRIYANKA PRASAD

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# Dr. ATHENA JOY ( ASSISTANT PROFESSOR, P.G.DEPARTMENT OF COMMERCE)



# PROJECT REPORT POST GRADUATE DEPARTMENT OF COMMERCE ST. XAVIER'S COLLEGE, VAIKOM MARCH 2023

# POSTGRADUATE DEPARTMENT OF COMMERCE ST. XAVIER'S COLLEGE VAIKOM



### **CERTIFICATE**

Certified that the dissertation work entitled "The Impact Of Work Family Conflict On Work Life Balance And Job Performance: A Study On Nurses" is a bonafide record of work done independently by priyanka prasad a fourth semester m.com student in the department of commerce during the academic year 2022-2023 under my guidance and supervision.

Dr.ATHENA JOY

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Mrs.ANJU T A

Head of the PG Department of Commerce

P.G D

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KOTTAYAM (DIS)

St.Xavier's College, Vaikom

### "A STUDY ON THE SAVINGS AND INVESTMENT PATTERN OF RURAL HOUSEHOLDS WITH SPECIAL REFERENCE TO MULANTHURUTHY GRAMA PANCHAYATH"

Dissertation submitted to the Mahatma Gandhi University in partial fulfilment of the Requirements for the award of the degree of

### MASTER OF COMMERCE

Submitted By

### **APARNA SURESH**

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Under the supervision and guidance of

### Mrs. AMALA JOSEPH

(ASSISTANT PROFESSOR, PG DEPARTMENT OF COMMERCE)



### PROJECT REPORT

PG DEPARTMENT OF COMMERCE

ST. XAVIER'S COLLEGE VAIKOM

MARCH-2023

This is to certify that the dissertation work entitled "A STUDY ON THE SAVINGS AND INVESTMENT PATTERN OF RURAL HOUSEHOLDS WITH SPECIAL REFERENCE TO MULANTHURUTHY GRAMA PANCHAYATH" is a bona fide piece of research done by APARNA SURESH, M Com final year student of the Department of commerce, in partial fulfilment of the requirements for the award of the degree of Master of commerce, under my guidance and supervision.

Mrs. Amala Joseph

**Assistant Professor** 

P.G Department of Commerce

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Mrs. Anju TA

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30-03-2023

# "IMPACT OF MARKETING THROUGH SOCIAL MEDIA AMONG YOUTH"

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillment of the requirement of the degree of

### MASTER OF COMMERCE

Submitted by

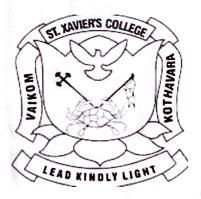
### ANAN P KUMAR

(Reg No: 210011026759)

Under the guidance of

### Dr. MATHEW ABRAHAM

(ASSISTANT PROFESSOR, P.G DEPARTMENT OF COMMERCE)



### PROJECT REPORT

P.G DEPARTMENT OF COMMERCE

ST. XAVIER'S COLLEGE VAIKOM

(Affiliated to Mahatma Gandhi University, Kottayam)

**MARCH 2023** 

I, hereby declare that the project titled "IMPACT OF MARKETING THROUGH SOCIAL MEDIA AMONG YOUTH" is a bonafide piece of research work done by Anan P Kumar in partial fulfillment of the Master of Commerce Degree in Mahatma Gandhi University under my supervision.

Dr. Mathew Abraham

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### "A STUDY ON THE SAVINGS AND INVESTMENT PATTERN OF RURAL HOUSEHOLDS WITH SPECIAL REFERENCE TO MULANTHURUTHY GRAMA PANCHAYATH"

Dissertation submitted to the Mahatma Gandhi University in partial fulfilment of the Requirements for the award of the degree of

### MASTER OF COMMERCE

Submitted By

### **APARNA SURESH**

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Under the supervision and guidance of

### Mrs. AMALA JOSEPH

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### PROJECT REPORT

PG DEPARTMENT OF COMMERCE

ST. XAVIER'S COLLEGE VAIKOM

MARCH-2023

This is to certify that the dissertation work entitled "A STUDY ON THE SAVINGS AND INVESTMENT PATTERN OF RURAL HOUSEHOLDS WITH SPECIAL REFERENCE TO MULANTHURUTHY GRAMA PANCHAYATH" is a bona fide piece of research done by APARNA SURESH, M Com final year student of the Department of commerce, in partial fulfilment of the requirements for the award of the degree of Master of commerce, under my guidance and supervision.

Mrs. Amala Joseph

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P.G DEPT. OF COMMERCE ST. XAVIER'S COLLEGE VAIKOM KOTHAVARA P.O-686607 KOTTAYAM (DIST)

### "ROLE OF INFLUENCER MARKETING ON CONSUMER BEHAVIOUR AND PURCHASE INTENTION WITH SPECIAL REFERENCE TO VAIKOM TALUK"

Project submitted to the Mahatma Gandhi University, Kottayam in partial fulfillment of the requirement for the degree of

### MASTER OF COMMERCE

Submitted by

### RAGENDHU R

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Under the guidance of

Mr. JOSEPH ABEY

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### PROJECT REPORT

PG DEPARTMENT OF COMMERCE

ST. XAVIER'S COLLEGE VAIKOM

(Affiliated to Mahatma Gandhi University, Kottayam)

**MARCH 2023** 

I, hereby declare that the project titled "Role of Influencer Marketing on Consumer Behaviour and Purchase Intention with Special Reference to Vaikom Taluk" is a bona fide piece of research work done by Ragendhu R in partial fulfillment of the Master of Commerce in Mahatma Gandhi University under my supervision.

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30-03-2023