

# Holy Cross College (Autonomous)

Nagercoil-629004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle
An ISO 9001: 2015 Certified Institution

SSR 2019-2020 to 2023-2024

#### **Project Report**

#### **DEPARTMENT OF MATHEMATICS**

#### A STUDY ON DOMINATING SETS

Project report submitted to the Holy Cross College (Autonomous), Nagercoil in partial fulfilment of the award of the Degree of

#### BACHELOR OF SCIENCE IN MATHEMATICS

By

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DEPARTMENT OF MATHEMATICS (AIDED)

HOLY CROSS COLLEGE (AUTONOMOUS)

RE- ACCREDITED WITH A+ GRADE (CGPA 3.35) (IV CYCLE)

(AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY)

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We hereby declare that this project work entitled "A STUDY ON DOMINATING SETS" submitted by us for the Degree of BACHELOR OF SCIENCE IN MATHEMATICS is done under the guidance of Dr. V. Sujin Flower, Assistant Professor, Department of Mathematics (Aided), Holy Cross College (Autonomous) and it has not been submitted for the award of degree, diploma, associate ship or fellowship of any other University or Institution.

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#### **ACKNOWLEDGEMENT**

First and foremost, we thank God Almighty for giving us the strength, knowledge, ability and opportunity to undertake this project and to persevere and complete it satisfactorily. Without His blessings, this project would not have been possible.

Next we thank our College Secretary Dr. Sr. Gerardin Jeyam, Principal Dr. Sr. Anne Perphet Sophy, Controller of Examinations Dr. J. Vinoliya Josephine Mary, and our Librarian Dr. Sr. Mary Johnsy for allowing us to utilize the facilities of the college for the project work and also for their well wishes.

Our sincere thanks to our project guide Dr. V. Sujin Flower, Assistant Professor, Department of Mathematics, Holy Cross College (Autonomous), Nagercoil for the valuable suggestions, guidance and help rendered by her during the course of our work.

We are also thankful to the other faculty members of the Department of Mathematics (Aided) for their encouragement and help.

We owe our thanks to our dear parents and sisters and brothers for their timely help. Also, we thank our friends and well-wishers who helped us during the course of this project work.

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# A STUDY ON QUEUING THEORY AND ITS APPLICATIONS

Project report submitted to Holy Cross College (Autonomous), Nagercoil in partial fulfilment of the requirements for the award of the Degree of

#### BACHELOR OF SCIENCE IN MATHEMATICS

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Place: Nagercoil

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Next we thank our college Secretary Dr. Sr. Gerardin Jayam, Principal Dr. Sr.S.Anne

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Our sincere thanks to our project guide **Dr. A. Jancy Vini,** Assistant Professor of Mathematics, Holy Cross College (Autonomous), Nagercoil for the valuable suggestions, guidance and help rendered by her during the course of our work.

We are also thankful to the other faculty members of the Department of Mathematics (Aided) for their encouragement and help.

We owe our thanks to our dear parents and sisters for their timely help. Also we thank our friends and well wishers who helped us during the course of this project work.

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#### **FUZZY MATRIX**

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# ACKNOWLEDGEMENT

First and foremost, we thank god almighty for giving us the strength, knowledge, Ability and opportunity to undertake this project and to preserve and complete it satisfactorily. Without his blessings, this project would not have been possible.

Next we thank our college secretary Dr. Sr. Gerardin Jeyam, Principal Dr. Sr. Anne Perpet Sophy, Controller of Examination Dr. J. Vinoliya Josephine Mary, and our Librarian Dr. Sr. Mary Johnsy for allowing us to utilize the facilities of the college for the project work and also for their well wishes.

Our sincere thanks to our project guide Dr. L.Jesmalar, Assistant Professor of Department of Mathematics (Aided), Holy Cross College (Autonomous), Nagercoil for the valuable suggestions, guidance and help rendered by her during the course our work.

We are also thankful to the other faculties members of the Department of Mathematics (Aided) for their encouragement and help.

We owe our thanks to our dear parents and sisters for their timely help. Also we thank our friends and well-wishers who helped us during the course of this project.

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# ANALYSIS OF EFFECTIVENESS OF VACCINATION USING STATISTICAL ANALYSIS AND FUZZY LOGIC

Project report submitted to the PG and Research department of Mathematics, Holy Cross College (Autonomous), Nagercoil in partial fulfilment of the requirements for the award of the Degree of

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### **DECLARATION**

We hereby declare that this project work entitled submitted by us for the Degree of Bachelor of Science in Mathematics is done under the guidance of Dr. J. BEFIJA MINNIE, Assistant professor, Department of Mathematics (Aided), Holy Cross College (Autonomous) and it has not been submitted for the award of degree, diploma, associate ship or fellowship of any other University or Institution.

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#### **ACKNOWLEDGEMENT**

First and foremost, we thank God Almighty for giving us the strength, knowledge, ability and project to undertake this project and to persevere and complete it satisfactorily. Without His blessings, this project would not have been possible.

Next, we thank our College Secretary Dr. Sr. Gerardin Jayam, Principal Dr. Sr. S. Anne Perphet Sophy, Controller of Examination Dr. Josephine Vinoliya Mary and our Librarian Dr. Sr. A. Mary Johnsy for allowing us to utilize the facilities of the college for the project work and also for their well wishes.

Our sincere thanks to our project guide Dr. J. Befija Minnie, Assistant professor Mathematics, Holy Cross College (Autonomous), Nagercoil for the valuable suggestions, guidance and help rendered by her during the course of work.

We owe our thanks to our dear parents and sisters for their timely help. Also, we thank our friends and well-wishers who helped us during the course of this project work.

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### PROBABILITY DISTRIBUTIONS

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Date: 15.12.2021

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#### **DECLARATION**

We hereby declare that this project work entitled submitted by us for the Degree of Bachelor of Science in Mathematics is done under the guidance of Mrs. J. C.MAHIZHA, Assistant professor, Department of Mathematics (Aided), Holy Cross College (Autonomous) and it has not been submitted for the award of degree, diploma, associate ship or fellowship of any other University or Institution.

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#### ACKNOWLEDGEMENT

First and foremost, we thank God Almighty for giving us the strength, knowledge, ability and project to undertake this project and to persevere and complete it satisfactorily. Without His blessings, this project would not have been possible.

Next we thank our College Secretary Dr. Sr. Gerardin Jayam, Principal Dr. Sr. S. Annie Perphet Sophy, Controller of Examination Dr. Josephine Vinoliya Mary and our Librarian Dr. Sr. A. Mary Johnsy for allowing us to utilize the facilities of the college for the project work and also for their well wishes.

Our sincere thanks to our project guide Mrs. J. C. Mahizha, Assistant professor Mathematics, Holy Cross College (Autonomous), Nagercoil for the valuable suggestions, guidance and help rendered by her during the course of work.

We owe our thanks to our dear parents and sisters for their timely help. Also we thank our friends and well-wishers who helped us during the course of this project work.

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#### **DEPARTMENT OF MATHEMATICS (SF)**

#### A STUDY ON FUZZY LOGIC

Dissertation submitted to Holy Cross College (Autonomous) affiliated to Manonmaniam Sundaranar University in partial fulfilment of the requirement of the award of the degree of

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Also certified that this dissertation has not previously formed the basis for the award of any degree, diploma or any other similar title from the same university or any other institution.

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# STUDY ON PRIME Γ-RADICALS IN Γ-SEMIGROUPS

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#### Dissertation submitted to

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S. SAHAYA SMITHA ARSIKA (Reg. No: 2019082)

Under the guidance of

Mrs. R.N. RAJALEKSHMI, M.Sc., B.Ed., M.Phil., SET.

Assistant Professor of Mathematics



#### **DEPARTMENT OF MATHEMATICS (SELF-FINANCED)**

**HOLY CROSS COLLEGE (AUTONOMOUS)** 

ACCREDITED WITH A+ GRADE (CGPA - 3.35)

(AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY)

NAGERCOIL - 629 004.

**DECEMBER - 2021** 

NAAC V Cycle Self Study Report (SSR)

DECLARATION

We hereby declare that this project work entitled "A STUDY ON SOFT SET

THEORY" submitted by us for the Degree of Bachelor of Science in Mathematics

is done under the guidance of Mrs. R.N. RAJALEKSHMI, M.Sc., B.Ed.,

M.Phil., SET, Assistant Professor. Department of Mathematics (Self-Financed),

Holy Cross College (Autonomous), Nagercoil and it has not been submitted for the

award of degree, diploma, associateship or fellowship of any other University or

Institution.

Place: Nagercoil

Date: 15-12-2021

Arul Sasthra. A

A. ARUL SASTHRA

7kzy

Binoshima .D

D. BINOSHIMA

8. Haxona Beai

S. Sahaya Smitha drike

S. SAHAYA SMITHA ARSIKA

# ROOT SQUARE MEAN LABELING OF GRAPHS

Dissertation submitted to Holy Cross College (Autonomous) affiliated to

Manonmaniam Sundaranar University in partial fulfillment of the

requirements for the award of the Degree of

### **Bachelor of Science in Mathematics**

#### Submitted by

M. ANU SHALINI (Reg.No:2019057)

A. S. ASWATHY (Reg.No:2019062)

B.V. BARIT SAHAI DHANA (Reg.No:2019063)

P. EVANGELIN STEPHANI (Reg.No:2019067)

M. MICHEAL SANCIA (Reg.No:2019078)

A. SELVA RISHIBA (Reg.No:2019083)

Under the guidance of

Mrs. V. PRINCY KALA, M.Sc., M.Phil., SET.



#### DEPARTMENT OF MATHEMATICS (SELF FINANCED)

HOLY CROSS COLLEGE (AUTONOMOUS)

ACCREDITED WITH A+GRADE (CGPA 3.35) IVth CYCLE

(AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY)

NAGERCOIL -629004

**DECEMBER-2021** 



Mrs. V. PRINCY KALA, M.Sc., M.Phil., SET.,

Assistant Professor,

Department of Mathematics (Self Financed),

Holy Cross College (Autonomous), Nagercoil - 629 004

#### **CERTIFICATE**

This is to certify that this project work entitled "ROOT SQUARE MEAN

LABELING OF GRAPHS" submitted by Ms. M. ANU SHALINI (Reg.No:2019057),

Ms. A. S. ASWATHY (Reg.No:2019062), Ms. B. V. BARIT SAHAI DHANA

(Reg.No:2019063), Ms. P. EVANGELIN STEPHANI (Reg.No:2019067),

Ms. M. MICHEAL SANCIA (Reg.No:2019078), Ms. A. SELVA RISHIBA

(Reg. No:2019083) of III B. Sc. MATHEMATICS (Self Financed) to the Holy Cross

College (Autonomous), Nagercoil, in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF SCIENCE IN MATHEMATICS is a bonafied record of the work done by them under my supervision and guidance.

Mrs. V. PRINCY KALA

(Guide and Supervisor)

Place: Nagercoil

Date: 15 /12/2021

External Examiner apla as a

Dr. V. Anusuya, Msc., M.Phil., Ph.D Assistant Professor of Mathematics S.T. Hindu College, Nagercoil 629 002, Kanyakumari District, Tamil Nadu J. Anne Mary Leema.

Head of the Department

Department of Mathematics (S.F)

Department of Mathematics (S.C.)
Holy Cross College (Autonomous)
Nagercoil - 629 004.

# A STUDY ON MAGIC GRAPHS

Project report submitted to Holy Cross College (Autonomous), Nagercoil in partial fulfillment of the requirements for the award of the degree of

### BACHELOR OF SCIENCE IN MATHEMATICS

#### Submitted by

S. ABITHA Register No: 2019049

C. AKSHA Register No: 2019052

S. ANCY Register No: 2019054

A. ANTON BALA AJITHA Register No: 2019056

L. SAHAYA NISHA Register No: 2019081

C. SHILY SHANICA Register No: 2019085

Under the guidance of

Dr. S. KAVITHA, M.Sc., M.Phil., SET., Ph.D.

Assistant Professor of Mathematics



DEPARTMENT OF MATHEMATICS (SELF – FINANCED)

HOLY CROSS COLLEGE (AUTONOMOUS)

(RE – ACCREDITTED WITH A+ GRADE (CGPA 3.35))

(AFFILATED TO MANONMANIAM SUNDARANAR UNIVERSITY)

NAGERCOIL – 629 004.

DECEMBER - 2021

#### A STUDY ON RANDOMIZED BLOCK DESIGN

Project report submitted to Holy Cross College (Autonomous) Nagercoil.

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

#### BACHELOR OF SCIENCE IN MATHEMATICS

by

M .Fathima Ancy -2019069

S.S. Shalooh -2019084

J. Ancy Mega -2019714

S. Subathra -2019088

G. Jenany -2019072

Under the guidance of

Mrs. C.JOSELIN JENISHA, M. Sc, B. Ed, M. Phil., SET

Assistant professor of Mathematics



DEPARTMENT OF MATHEMATICS (SELF – FINANCED)

HOLY CROSS COLLEGE (AUTONOMOUS)

RE-ACCREDITED WITH A+GRADE(CGPA 3.35)

(AFFILIATED TO MANONMANIAMSUNDARANAR UNIVERSITY)

NAGERCOIL-629 004

DECEMBER-2021



# rs. C. JOSELIN JENISHA, M. Sc, B .Ed, M .Phil, SET

sistant Professor.

partment of Mathematics(Self-finance).

ly Cross College(Autonomous).

gercoil -629004.

#### CERTIFICATE

LESIGN" submitted by Ms. M.FATHIMA ANCY(Reg.no 2019069), Ms. S.S. HALOOH(Reg.no 2019084), Ms. S. SUBATHRA(Reg.no 2019088), Ms. J.ANCY [EHA(Reg.no 2019714) Ms. G.JENANY(Reg.no 2019069) of III B. Sc mathematics(self-nanced) to Holy Cross College(Autonomous), in partial fulfillment of the requirements for award of the degree of BACHELOR OF SCIENCE IN MATHEMATICS is a bonafide cord of the work done by them under my supervision and guidance.

lace :Nagercoil

Mrs. C. JOSELIN JENISHA, M.SC., B.Ed., M. Phil., SET

Date: 15/12/2021

(Guide and supervisor)

External Examiner

Dr. V. American Msc., M.Phil., Ph.D. f Mathematics

J. Anne Mary Leems

Head of the Department

Department of Mathematics(S.F)

Department of Mathematics (S.F.)
Holy Cross College (Autonomous)
Nagercoil - 629 004.

#### **DEPARTMENT OF PHYSICS**

# FABRICATION OF MUSSEL BASED COMPOSITES

Skill Based Course - Project work submitted to Holy Cross college (Autonomous) in partial fulfillment of the

requirements for the award of the Degree of

Bachelor of Science in Physics

#### Submitted by

Miss, ABISHA, V Reg.No: 2019093

Miss. MARY GRIFFIKA. G Reg.No: 2019123

Miss. NAFLA NAZEER Reg.No: 2019125

Miss. NITHILA MOL. A RegNo: 2019128

Miss. PAYAL. A RegNo: 2019129

Under the guidance of

Dr. R. Krishna Priya, M.Sc., M.Phil., Ph.D



DEPARTMENT OF PHYSICS
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629 004
MAY-2022

# PREPARATION OF EPOXY COMPOSITES USING NATURAL WASTE MATERIALS

Skill Based Course-Project report submitted for the Fulfillment of the requirements for the award of the Degree of Bachelor of Science in Physics of Holy Cross College (Autonomous) affiliated to Manonmanium Sundaranar University.

#### Submitted by

Miss. GEERTHIKA. V Reg.no:2019107

Miss. JAFRIN ASHIMA. A Reg.no:2019113

Miss. NISHA. R Reg.no:2019126

Miss. TOSHMA EVANGELIN LIBERA Reg.no:2019138

Under the guidance of

Dr. M. Priya Dharshini, M.Sc., M.Phil., Ph.D.



DEPARTMENT OF PHYSICS

HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL - 629 004

MAY-2022

# REFRACTIVE INDEX OF DIFFERENT LIQUIDS USING HOLLOW PRISM

Dissertation submitted to Holy cross college (Autonomous), Nagercoil in partial fulfilment of the requirement for the award of the degree of

## BACHELOR OF SCIENCE IN PHYSICS

## Project team

Name	Reg.No
C. Anslin Jhony	2019100
J. Arockia Arthi	2019101
R. Fathima Naseeha	2019105
J.L. Jenifa	2019116

Under the Guidance of

Ms. S. Virgin Jeba, M.Sc., B.Ed., M.Phil., SET, (Ph.D)



DEPARTMENT OF PHYSICS & RESEARCH CENTER
HOLY CROSS COLLEGE (AUTONOMOUS),
NAGERCOIL-629004
2021-2022

## SUPER HYDROPHOBIC ACTIVITY OBSERVED IN NATURE AND HOW IT CAN BE UTILIZED IN SCIENTIFIC AND INDUSTRIAL FIELD

Submitted to Manomaniam Sundaranar University in partial fulfilment of the requirements for the award of Degree of Bachelor of Science in Physics.

Under the guidance of

Mrs. S. Sonia M.Sc., Ph.D.

Submitted by

R.S.Dharshini 2019103

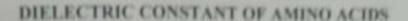
Y.Julit 2019119

M.S.Mallika 2019122

J.Mridula pearly 2019124



DEPARTMENT OF PHYSICS
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629004
2021-2022



Skill Based Course - Project report submitted for the fulfillment of the requirements for the seward of the Degree of Bachelor of Science in Physics of Holy Cross College (Autonomous) affiliated to Manusemanium Sundaranar University

#### Submitted by

Name

Ancy Jose G.S

Arockiya Ashely S

Fathima Arshi A

Jenisha R

Register Number

2019098

2019102

2019104

2019117

Under the guidance of Dr. M. Abila Jeba Queen, M.Sc., M. Phil., SET., Ph.D.



DEPARTMENT OF PHYSICS
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629004
MAY-2022

## **SOLAR FAN**

## SKILL BASED COURSE PROJECT

Submitted to holy cross college (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University in the partial fulfilment of the requirement for the award of the degree of in partial

## BACHELOR OF SCIENCE IN PHYSICS

Project team

R.ANCY 2019097
M.HERIN 2019110
P.JAMUNA PREETHI 2019114
V.LUTHISHMA 2019121

Under the guidance of

Ms. P. AJI UDHAYA, M.Sc., M.Phil., SET, (Ph.D)



DEPARTMENT OF PHYSICS AND RESEARCH CENTER
HOLY CROSS COLLEGE (AUTONOMOUS),
NAGERCOIL-629004
2021-2022

# ELECTRICAL WIRES THICKNESS

Skill based course-project work submitted to Holy Cross College (Autonomous), in fulfilment of the requirements for the award of the Degree of Bachelor of Science in physics

## **Project Team**

NAME	REG.NO
M.GOWRI	2019108
J. JELINA JEDLY	2019115
S.PRIYA	2019130
S.M.SHANIYA	2019136

Under the guidance of Dr.C.Nirmala Louis, M.Sc., Ph.D, PGDCA.



Department of Physics
Holy Cross College (Autonomous)
Nagercoil - 629004
April - 2022

# WEATHER MONITERING SYSTEM USING BLYNK APPLICATION

Skill Based Course – Project work submitted to

Holy Cross college (Autonomous) in partial fulfillment of the

Requirements for the award of the Degree of

Bachelor of Science in Physics

#### Submitted by

Miss.M. ABISHA Reg.No: 2019092

Miss.J. AJI ALAN FEMI Reg.No: 2019094

Miss.HELENA, F. IGNATIUS Reg.No: 2019109

Miss.C. SAJANI Reg.No: 2019134

Under the guidance of

Dr. A. Lesly Fathima, M.Sc., M.Phil., Ph.D



DEPARTMENT OF PHYSICS HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL-629 004

# SOLAR CAR WITH WIRELESS CHARING STATION

#### SHC PROJECT REPORT

Submitted to Manonmanian Sundaranar University in partial fulfilment of the requirements for the award of degree of Bachelor of Science in physics

#### Submitted by

FINIBHA JEBAL, J. S 2019106

JOSPHINE SARANYA, A 2019118

LERSHA HEBONL J 2019120

NISHITHA, C 2019127

Under the guidance of Dr. Mrs. V. SHALLY, M.Sc., M.phil., Ph.D.



HOLY CROSS COLLEGE (AUTONOMOUS)

DEPARTMENT OF PHYSICS

NAGERCOIL

#### **DEPARTMENT OF CHEMISTRY**

#### COMPARISON OF THE SALT QUALITY PARAMETERS OF SELECT REFINED AND PINK SALT SAMPLES

Project report submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University in partial fulfilment of the requirements for the award of the degree of

#### BACHELOR OF SCIENCE IN CHEMISTRY

By

Name of the student	Register Number
G. Abiga	2019139
A. Abisha	2019140
S. Ancy	2019141
S. Anni Rajisha	2019142
M. Anto Snowfita	2019143
M. Antony Rashmin	2019144
S.J. Antony Sneka	2019145

Under the Guidance of Dr. G. Leema Rose

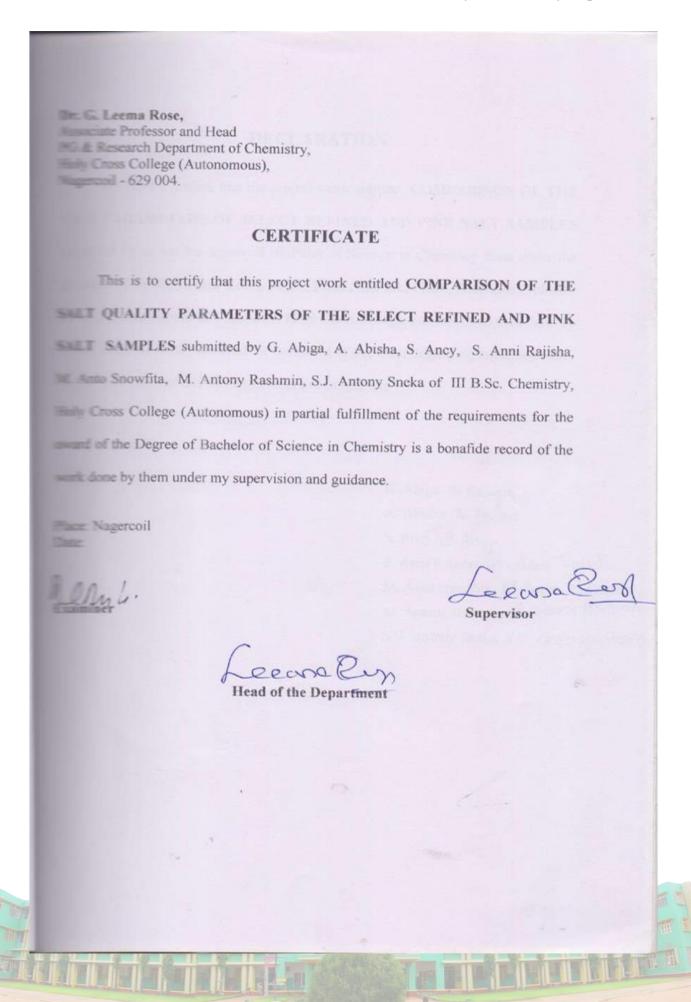


# PG & RESEARCH DEPARTMENT OF CHEMISTRY HOLY CROSS COLLEGE (AUTONOMOUS)

[RE-ACCREDITED WITH A\* GRADE (CGPA 3.35)]

NAGERCOIL - 629 004

APRIL - 2022



#### DECLARATION

We hereby declare that the project work entitled COMPARISON OF THE

SALT PARAMETERS OF SELECT REFINED AND PINK SALT SAMPLES

The degree of Bachelor of Science in Chemistry done under the large of Dr. G. Leema Rose., M.Sc., B.Ed., M.Phil., Ph.D., Associate Professor

Department of Chemistry, Holy Cross College (Autonomous) was done by

The has not been submitted for the award of any other degree, diploma, associate
Ellowship of any other University or Institution.

Page Nagercoil

G. Abiga G. Abiga

A. Abisha A. Abisha

S. Ancy S. Ancy

S. Anni Rajisha & Anni Rajisha

M. Anto Snowfita M. Anto Snowfita.

M. Antony Rashmin M. Antony Rashmin

S. J. Antony Sneka S. J. Antony Sneka

# FACILE SYNTHESIS, CHARACTERIZATION ANDANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES USING PLANT EXTRACTS

Project report submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University in partial fulfilment of the requirements for the award of the degree of

#### BACHELOR OF SCIENCE IN CHEMISTRY

By

Name of the student	Register Number
Anusha M	2019146
Arul Manju A	2019147
Ashwini S	2019148
Asia Najeema S	2019149
Aswitha R P	2019150
Aswitha T	2019151
Babitha S	2019152

Under the Guidance of Dr. M. Anitha Malbi

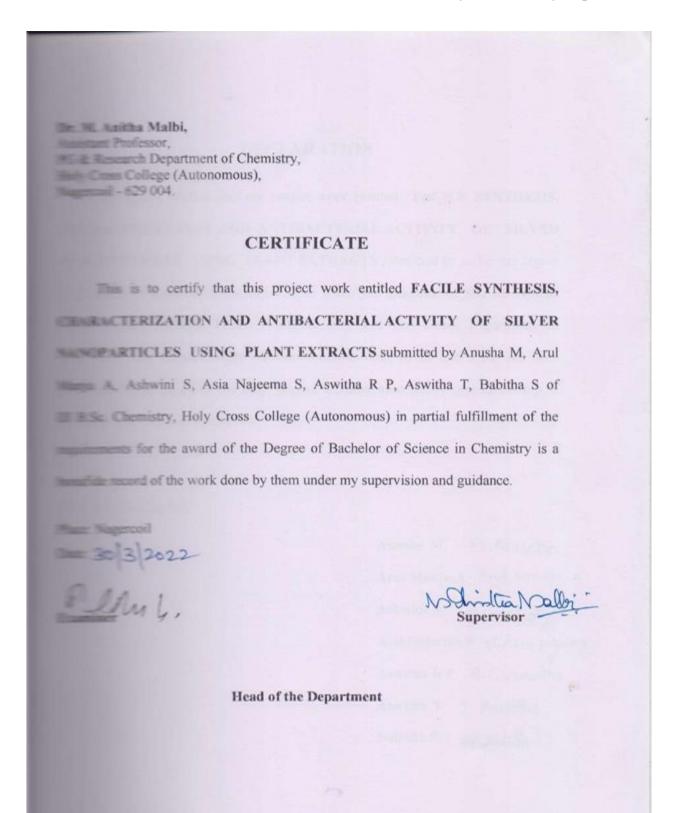


#### PG & RESEARCH DEPARTMENT OF CHEMISTRY

HOLY CROSS COLLEGE (AUTONOMOUS)
[RE-ACCREDITED WITH A\* GRADE (CGPA 3.35)]

NAGERCOIL - 629 004

MARCH-2022



#### DECLARATION

The hereby declare that the project work entitled FACILE SYNTHESIS,

THE ACTIVITY OF SILVER

PARTICLES USING PLANT EXTRACTS submitted by us for the degree of Science in Chemistry done under the guidance of Dr. M. Anitha M.Sc., M.Phil., Ph.D., Associate Professor and Head, Department of Holy Cross College (Autonomous)was done by us and it has not been for the award of any other degree, diploma, associate-ship or fellowship of University or Institution.

Nagercoil 30 3 20 22

Arul Manju A Avul Manju A

Ashwini S & Ashwini

Asia Najeema S & Asia Najeung

Aswitha R P R P Aswitha.

Aswitha T T. Aswitha

08 Babitta

Babitha S

# PHYSICO-CHEMICAL CHARACTERISTICS OF SOME SELECTED NATURAL INDICATORS

Project report submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University in Partial fulfilment of the requirements for the award of the Degree of

#### BACHELOR OF SCIENCE IN CHEMISTRY SUBMITTED BY

NAME OF THE STUDENT	REG. NO.
S.J. BHUVANESHWARI	2019153
J.S. BLESSY	2019154
K.M. DEEPIKA	2019155
M. FARHANA	2019156
H. FELCIA	2019157
J. GINCY PRIYA	2019158
R. HENSHA RIYANA	2019160

Under the guidance of

Dr. R. GLADIS LATHA



P.G & Research Department of Chemistry Holy Cross College (Autonomous)

[Reaccredited with A<sup>+</sup> Grade (CGPA 3.35)]

Nagercoil-629004

March 2022

Dr. R. Gladis Latha, Assistant Professor, PG and Research Department of Chemistry, Body Cross College (Autonomous), Nagercoil.

#### CERTIFICATE

This is to certify that the project entitled "PHYSICO-CHEMICAL CHARACTERISTICS SOME SELECTED NATURAL INDICATORS" submitted by S.J. BHUVANESHWARI, J.S. BLESSY, K.M. DEEPIKA, M. FARHANA, H. FELCIA, J. GINCY PRIYA and R. HENSHA RIYANA of III. B.Sc. Chemistry, Holy Cross College (Autonomous) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Chemistry is a bonafide record of the work done by them under my supervision and guidance.

Place: Nagercoil

Date:

Head of the Department,

erma Rov

Dr. G. Leema Rose

Supervisor, Dr. R. Gladis Latha

Nem 4

#### DECLARATION

We hereby declare that the project work entitled "PHYSICO-CHEMICAL CHARACTERISTICS OF SOME SELECTED NATURAL INDICATORS" submitted by us for the degree of Bachelor of Science in Chemistry done under the guidance of Dr. R. Gladis Latha., M.Sc., B.Ed., M.Phil., Ph.D., Assistant Professor, Department of Chemistry, Holy Cross College (Autonomous) was entirely carried out by us and it has not been submitted for the award of any other degree, diploma, associate-ship or fellowship of any other University or Institution.

Place: Nagercoil

Date: 26-03-2022

S.J. BHUVENESHWARI 3 J. Phuvaneshuari J.S. BLESSY J'S Blerry K. M. DEEPIKA K. M. Deyrila M. FARHANA Jonyaya H. FELCIA Felcia H

J. GINCY PRIYA J Gincy Priya R. HENSHA RIYANA R. Hensha Rigana

#### PHYSICO-CHEMICAL ANALYSIS OF SELECTED WATER SAMPLES IN AND AROUND KANYAKUMARI DISTRICT

Project work submitted to Holy Cross College (Autonomous) affiliated to Manonmaniam Sundaranar University in partial fulfilment of the requirement of the award of the degree of

#### BACHELOR OF CHEMISTRY

By

NAME OF THE STUDENT

J. JANISHA FLAVY FLORINA

S. JEEVA ARTHY

G.V. JENIKA

J. JENY SARMI

M. JOLINNILOFA

M. KASTHURI

REGISTER NUMBER

2019161

2019162

2019163

2019164

2019165

Under the Guidance of

K. Francy



PG & RESEARCH DEPARTMENT OF CHEMISTRY
HOLY CROSS COLLEGE (AUTONOMOUS)

[RE-ACCREDITED WITH A\* GRADE (CGPA 3.35)]

NAGERCOIL – 629 004

MARCH 2022

K. Francy,

Assistant Professor,

PG & Research Department of Chemistry.

Holy Cross College (Autonomous),

Nagercoil - 629 004.

#### CERTIFICATE

This is to certify that the project entitled PHYSICO CHEMICAL ANALYSIS OF SELECTED WATER SAMPLES IN AND AROUND KANYAKUMARI DISTRICT submitted by J. Janisha Flavy Florina, S. JeevaArthy, G.V. Jenika, J. JenySarmi, M. Jolinnilofa, M. Kasthuri of III. B.Sc. Chemistry, Holy Cross College (Autonomous) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Chemistry is a bonafide record of the work done by them under my supervision and guidance.

Place: Nagercoil

Date:

Head of the Department,

Dr. G. Leema Rose.

Supervisor,

bancy

K. Francy.

Memb.

#### DECLARATION

We hereby declare that the project work entitled "PHYSICO CHEMICAL ANALYSIS OF SELECTED WATER SAMPLES IN AND AROUND KANYAKUMARI DISTRICT" submitted by us for the degree of Bachelor of Science in Chemistry done under the guidance of K. Francy, Assistant Professor, Department of Chemistry, Holy Cross College (Autonomous) was done by us and it has not been submitted for the award of any other degree, diploma, associateship or fellowship of any other University or Institution.

Place: Nagercoil

Date: 26-03-2022

J. Janisha Flavy Florina J. Janisha Flavy

S. Jeeva Arthy S. Juva Arthy.

G.V. Jenika y.V. Jenika.

J. JenySarmi J. Jeny Sormi.

M. Jolinnilofa M. Jolinnilofa.

M. Kasthuri M. Lasthuri

### Green Route for Efficient Synthesis of Novel Amino Acid Schiff Base Metal Complexes as Potent Antimicrobial agents

Project report submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University in Partial fulfillment of the requirements for the award of the Degree of

#### BACHELOR OF SCIENCE IN CHEMISTRY

BY

Name of the Student	Reg.No
N. KEERTHIKA	2019167
LEENA SAJU	2019168
M. LISHA MALAR	2019169
K. MALATHI	2019170
R. MONISHA	2019171
K. MONISHKA	2019172

Under the guidance of

Dr. S. AJITH SINTHUJA



P.G & Research Department of Chemistry
Holy Cross College (Autonomous)
[Reaccredited with 'A+' Grade CGPA 3.350]
Nagercoil 629004
March-2022

Dr. S. Ajith Sinthuja, Assistant Professor, PG and Research Department of Chemistry, Holy Cross College (Autonomous), Nagercoil.

#### CERTIFICATE

This is to certify that the project entitled "Green Route for Efficient Synthesis of Novel Amino Acid Schiff Base Metal Complexes as Potent Antimicrobial agents" submitted by N. Keerthika, Leena Saju, M. Lisha Malar, K. Malathi, R. Monisha and K. Monishka of III. B.Sc. Chemistry, Holy Cross College (Autonomous) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Chemistry is a bonafide record of the work done by them under my supervision and guidance.

Place: Nagercoil

Date: 16-15-212.2

Head of the department, Dr. G. Leema Rose Supervisor, Dr. S. Ajith Sinthuja

#### DECLARATION

We hereby declare that the project work entitled "Green Route for Efficient Synthesis of Novel Amino Acid Schiff Base Metal Complexes as Potent Antimicrobial agents" submitted by us for the degree of Bachelor of Science in Chemistry done under the guidance of Dr. S. Ajith Sinthuja., M.Sc., B.Ed., M.Phil., Ph.D., Assistant Professor, Department of Chemistry, Holy Cross College (Autonomous)was entirely carried out by us and it has not been submitted for the award of any other degree, diploma, associate-ship or fellowship of any other University or Institution.

PLACE: Nagercoil DATE: 16-98-2022 N. KEERTHIKA Keertliks
LEENA SAJU Land Sa
M. LISHA MALAR M Lida Halas
K. MALATHI & Matathi
R. MONISHA R. Moniska
K. MONISHKA K. Moniska

#### **DEPARTMENT OF BOTANY**

# IMPACT OF PESTICIDES ON SEED GERMINATION AND EARLY SEEDLING GROWTH OF LADY'S FINGER (ABELMOSCHUS ESCULENTUS (L.)) AND CLUSTER BEANS (CYAMOPSIS TETRAGONOLOBA (L.) TAUB.)

Project work submitted to Manonmaniam Sundaranar University, Tirunelveli in partial fulfillment of the requirements for the award of the degree of

#### BACHELOR OF SCIENCE

#### By

V. Sneha	190183
R. Vinisha	190185
V. Vinoba	190186
A. Stapany Janusha	190442
M. R. Nasrin Shinu	190174

Under the Guidance of

Dr. C. Jespin Ida

(Associate Professor, Department of Botany)



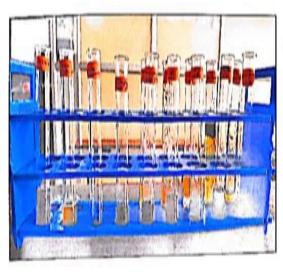
DEPARTMNET OF BOTANY
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL – 629 004
MAY 2022

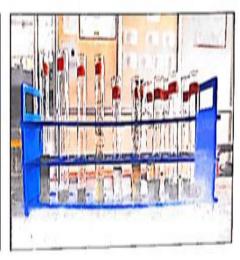
Plate-3 Seeds of Cyamopsis tetragonoloba (L.) Taub. germinated at different concentrations of fenvalerate after 10 days.



Plate-4 Seeds of *Cyamopsis tetragonoloba* (L.) Taub. germinated at different concentrations of chloropyriphos after 10 days

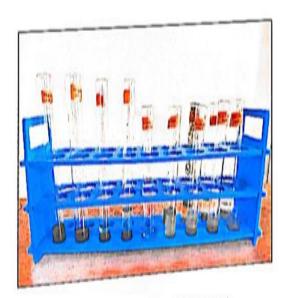






**Aqueous Plant Extract** 

Ethanol Plant Extract



Chloroform Plant Extract

Plate 4.3 Phytochemical screening of Azadirachta indica using Aqueous, Ethanol and Chloroform extracts

#### **DEPARTMENT OF ZOOLOGY**

# WATER QUALITY ASSESSMENT AND BIODIVERSITY STUDIES OF AN URBAN POND IN KANYAKUMARI DISTRICT

Project report submitted to Holy Cross College (Autonomous), Nagercoil, affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment of the requirements for the award of the Degree of

#### BACHELOR OF SCIENCE IN ZOOLOGY

#### Submitted By

D. ADLIN	- 2019227
A.R. AL-AKSHA	- 2019230
S. JEGANYA	- 2016214
P. KALAIPRIYA	- 2013244
S. PRATHISHA	-2019252
T.R.K. PRIYA DHARS	SHINI - 2019254



DEPARTMENT OF ZOOLOGY HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL MAY-2022

#### BONAFIDE CERTIFICATE

This is to certify that the project entitled "WATER QUALITY ASSESSMENT AND BIODIVERSITY STUDIES OF AN URBAN POND IN KANYAKUMARI DISTRICT" is a bonafide record of work done by Ms. D. Adlin, Ms. A.R. Al-Aksha, S. Jeganya, P. Kalaipriya, S. Prathisha and T.R.K. Priya Dharshini under the guidance and supervision of Dr. Jeni Chandar Padua, during their tenure towards the partial fulfilment of their requirement for the degree of Bachelor of Science in Zoology at Holy Cross College (Autonomous), Nagercoil, affiliated to Manonmaniam Sundaranar University, Tirunelveli.

Supervisor

Head of the Department

Dr. F. BRISCA RENUGA HOD - Department of Zeelogy Holy Cross Cellege

or 23/5/2029

Submitted for Viva Voce Examination held on 23.:05.:20 22

External Examiner

# STUDY ON THE EFFECT OF DIFFERENT PHYSICOCHEMICAL FACTORS ON AQUATIC ENVIRONMENT

Project report submitted to Holy Cross College (Autonomous), Nagercoil, affliated to

Manonmaniam Sundaranar University, Tirunelveli in partial fulfillment of the

requirements for the award of the degree of

## BACHELOR OF SCIENCE

IN

#### **ZOOLOGY**

By

Agnel J - Reg. No. 2019228

Azeena Beevi R - Reg. No. 2019238

Bhahima Muruzitha S - Reg. No. 2019239

Gnana Sounthari Reshma E - Reg. No. 2019245

Sona S.M - Reg. No. 2019265



# DEPARTMENT OF ZOOLOGY HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCIOL - 629 004

MAY - 2022

#### BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "Study on the effect of different physicochemical factors on aquatic environment" submitted by Agnel J (Reg. No. 2019228), Azeena Beevi R (Reg. No. 2019238), Bhahima Muruzitha S (Reg. No. 2019239), Gnana Sounthari Reshma, E, (Reg. No. 2019245) and Sona S.M (Reg. No. 2019265) to the Department of Zoology, Holy Cross College (Autonomous), Nagercoil, affiliated to Manonmaniam Sundaranar University, Tirunelveli towards the partial fulfillment of the requirements for the degree of Bachelor of Science in Zoology, is a bonafide record of the work carried out by them under the guidance and supervision of Dr. C. Anitha, Asst. Professor, Department of Zoology, Holy Cross College (Autonomous), Nagercoil.

Supervisor.

Dr. F. BRISCA RENUGA HOD - Department of Zeology Holy Cross College Nagerceil - 629 004

Separated for Viva Voce Examination held on. 23:5:8020

External

Framiner

#### RADIATION ON HUMAN HEALTH IN FEW SELECTED AREAS

Dissertation submitted to Holy Cross College (Autonomous) Nagercoil, affiliated to Manonmaniam Sundaranar University, Tirunelveli, in partial fulfilment of the requirement for the award of the degree

#### BACHELOR OF SCIENCE

IN

#### ZOOLOGY

Submitted by

AJOLA RESI, S.R. (Reg. No.:2019229)

ESTHER ABIKA, L. (Reg. No.: 2019243)

PISON, S. (Reg. No.: 2019250)

RESHMA, R. (Reg. No.: 2019258)

RUBISHA, K. (Reg. No.: 2019260)



DEPARTMENT OF ZOOLOGY
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629 004

#### BONAFIDE CERTIFICATE

ELECTED AREAS" submitted by AJOLA RESI, S.R. (Reg. No.:2019229) ESTHER BIKA, L. (Reg. No.: 2019243), PISON, S. (Reg. No.: 2019250), RESHMA, R. (Reg. No.: 2019258) and RUBISHA, K. (Reg. No.: 2019260) of Holy Cross College (Autonomous), Fliated to Manonmaniam Sundaranar University, Tirunelveli, in partial fulfilment of the expirement for the award of the Degree of Bachelor of Science in Zoology is a bonafide record the work carried out by them under the guidance of Dr. C. JOSEPHINE PRIYATHARSHINI, M.Sc., B.Ed., Ph.D., Assistant Professor, Department of Zoology, Holy Cross College (Autonomous), Nagercoil, during the academic year 2021-2022.

SUPERVISOR

HEAD OF THE DEPARTMENT

Bow 23/5/2029

Dr. F. BRISCA RENUGA HOD - Department of Zeology Holy Cross Cellege Nagercoil - 629 004

Submitted for the viva-voce examination held on A. D.S. 2022.

EXTERNAL EXAMINER

#### THE ANTIMICROBIAL ACTIVITY OF CARDIOSPERMUM HALICACABUM AND CLERODENDRUM PHLOSMIDS

Project report submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University, Tirunelveli, in partial fulfilment of the requirements for the award of the Degree of

#### BACHELOR OF SCIENCE

IN

ZOOLOGY

Submitted by

Name

Reg. No

Anantha Lakshmi S 2019231

Arul Deepika A

2019234

Denno E

2019242

Preethi S

2019253

Rosari Jenifer S

2019253



DEPARTMENT OF ZOOLOGY HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL - 629004 May - 2022

Signature of the Examiner

Signature of the Head of the Department

Dr. F. BRISCA RENUGA

HOD - Department of Zoology

Holy Cross College Nagercott - 629 004

🗽 S. Prakash Shoba, M.Sc., M. Phil., Ph.D., PG Dip. HRM

Assistant Professor in Zoology

Boly Cross College (Autonomous)

Nagercoil - 4

#### CERTIFICATE

This is to certify that the dissertation entitled "The antimicrobial activity of *Cardiospermum balicacabum* and *Clerodendrum phlosmids*." submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmanium Sundaranar University, Tirunelveli in partial fulfilment of requirements for the award of the degree of Bachelor of Science in Zoology is a bonafide work done by Anantha Lakshmi S, Arul Deepika A, Denno E, Preethi S and Rosari Jenifer S at Department of Zoology, Holy Cross College (Autonomous), Nagercoil during the academic war 2021-2022 under my guidance and supervision. This dissertation or any part of this has not been submitted elsewhere for any other degree.

Place: Nagercoil

Date: 23.05.2022

(Dr. S.PRAKASH SHOBA)

#### DETECTION OF ADULTERATION IN FEW COMMON FOOD PRODUCTS

Project report submitted to Holy Cross College (Autonomous), Nagercoil, affliated to

Manonmaniam Sundaranar University, Tirunelveli in partial fulfillment of the

requirements for the award of the degree of

#### BACHELOR OF SCIENCE IN ZOOLOGY

By

Anisha, R - (Reg. No. 2019232)

Ashfina, S - (Reg. No. 2019235)

Gnana Joensi, J - (Reg. No. 2019244)

Pearlin Sushma, C.K - (Reg. No. 2019249)

Reneefa, P - (Reg. No. 2019256)



# DEPARTMENT OF ZOOLOGY HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCIOL - 629 004

MAY - 2022

#### BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "Detection of adulteration in few common food products" submitted by Anisha, R (Reg. No. 2019232), Ashfina, S (Reg. No. 2019235), Gnana Joensi, J, (Reg. No. 2019244), Pearlin Sushma, C.K - (Reg. No. 2019249) and Reneefa, P (Reg. No. 2019256) to the Department of Zoology, Holy Cross College (Autonomous), Nagercoil, affiliated to Manonmaniam Sundaranar University, Tirunelveli towards the partial fulfillment of the requirements for the degree of Bachelor of Science in Zoology, is a bonafide record of the work carried out by them under the guidance and supervision of Dr. C. Anitha, Asst. Professor, Department of Zoology, Holy Cross College (Autonomous), Nagercoil.

Supervisor.

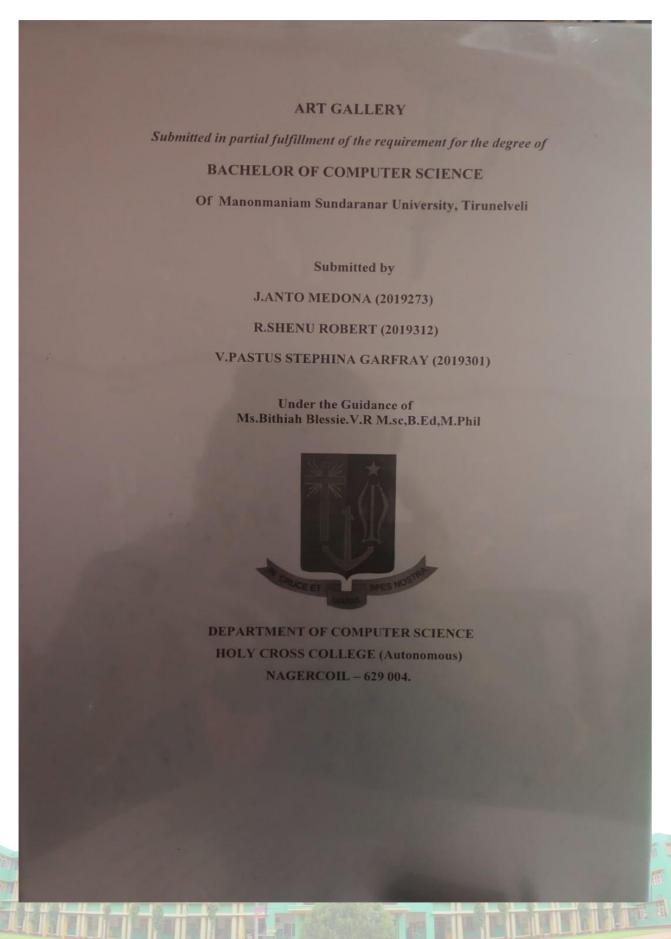
Head of the Department
Dr. F. BRISCA RENUGA
HOD - Department of Zoology
Holy Cross College
Nagercoil - 629 004

Submitted for Viva Voce Examination held on 25... 05.-2022

Examiner Examiner

External

#### DEPARTMENT OF COMPUTER SCIENCE





Submitted in partial fulfillment of the requirement for the degree of

#### BACHELOR OF COMPUTER SCIENCE

Of Manonmaniam Sundaranar University, Tirunelveli

Submitted by

A. JOELLINE ANNA (2019291)

V.MARY ANCITA (2019296)

N.RESHMA (2019302)

Under the Guidance of Mrs. J. Anto Hepzie Bai , B. Sc, MCA, M. Phil, B.Ed



DEPARTMENT OF COMPUTER SCIENCE HOLY CROSS COLLEGE (Autonomous) NAGERCOIL - 629004

#### HOME COOKING

Submitted in partial fulfillment of the requirement for the degree of

#### BACHELOR OF COMPUTER SCIENCE

Of Manonmaniam Sundaranar University, Tirunelveli

Submitted by

M.ABISHA (2019269)

J.SAHAYA FLARIN (2019307)

P.C SOWMIYA (2019313)

Under the Guidance of

Mrs. B. Pillai Archana, B.Sc, M.Sc, M.Phil. (Assistant Professor)



DEPARTMENT OF COMPUTER SCIENCE
HOLY CROSS COLLEGE (Autonomous)
NAGERCOIL- 629004.

#### **DEPARTMENT OF ENGLISH**

#### Magnifying Themes in Anuja Chauhan's Those Pricey Thakur Girls

PROJECT REPORT SUBMITTED TO HOLY CROSS COLLEGE (AUTONOMOUS)

[ Manonmaniam Sundaranar University]

#### IN PARTIAL FULFILMENT OF THE REQUIREMENT

#### FOR THE AWARD OF THE DEGREE OF

Bachelor of Arts

Ву

Name	Reg. No
Abishiniya Jenusha. J	2019408
Bebin Dharshini, F. R	2019422
Benisha, A	2019423
Benisha, M. L.	2019424
Bharathi. S	2019425

Under the guidance of Ms. Githika.T MA., M.Phil.



PG & RESEARCH DEPARTMENT OF ENGLISH
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL
DECEMBER 2021

**External Examiner** 

Ms. Githika.T MA., M.Phil.

PG & Research Department of English.

Holy Cross College (Autonomous).

Nagercoil – 629004

#### CERTIFICATE

This is to certify that the project report entitled "Magnifying Themes in Anuja Chauhan's Those Pricey Thakur Girls" is a bonafide project work done during 2021 2022 under my guidance and supervision and that the project has not previously forme the basis for the award to the candidates of any Degree, Diploma or any other similar titles.

Place : Nagercoil

Date: December 2021

Head of the Department

PG & RESEARCH DEPT OF ENGLISH HOLY CROSS COLLEGE (AUTONOMOUS) Guide

(Ms.Githika.T)

### ARAVIND ADIGA'S THE WHITE TIGER: A THEMATIC STUDY

# PROJECT REPORT SUBMITTED TO HOLY CROSS COLLEGE (AUTONOMOUS) IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

#### Bachelor of Arts

by

Name	Reg. No
Ann Shoja. M	2019415
Gifty.V	2019434
Heano Sellet. H	2019435
Helen Nayaki. B	2019436
Immaculate Rishiba. A	2019437

Under the guidance of Dr. J.Bhavani, B.Ed., M.A., M.Phil., Ph.D.



PG & RESEARCH DEPARTMENT OF ENGLISH
HOLY CROSS COLLEGE,
NAGERCOIL
DECEMBER 2021

**External Examiner** 

A Mother's Devotion and Family's Penitence: A Study
On Shin Kyung-sook's Please Look After Mother
PROJECT REPORT SUBMITTED TO
HOLY CROSS COLLEGE (AUTONOMOUS)
IN PARTIAL FULFILMENT OF THE REQUIREMENT
FOR THE AWARD OF THE DEGREE OF

Bachelor of Arts By

Name	Register No
Aarthiha M.K.	2019406
Ajiesya D.P.	2019410
Alfiya M.	2019411
Ani Alicia K.	2019413
Anish Jofinsha J.	2019414

Under the guidance of

Dr. Selva Mary Gokila S. George, M.A., M.Phil., Ph.D., CTE.,

M.A(JMC)., M.Sc.(Psy)



PG & RESEARCH DEPARTMENT OF ENGLISH
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL
DECEMBER 2021

A Contrastive Analysis of Ruth Ware's The Woman in Cabin 10

PROJECT REPORT SUBMITTED TO

HOLY CROSS COLLEGE (AUTONOMOUS)

IN PARTIAL FULFILMENT OF THE REQUIREMENT

FOR THE AWARD OF THE DEGREE OF

Bachelor of Arts

Submitted by

Name Reg. No

Aashik Thepisha. A 2019407

Apsala. S 2019416

Asheena Merly, A 2019417

Ashika, J 2019419

Ashni Reshma. D

Under the guidance of

Ms. Githika T M.A., M.Phil.



PG & RESEARCH DEPARTMENT OF ENGLISH HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL

DECEMBER 2021

External Examiner

### Psychological Study of Cormac McCarthy's The Road PROJECT SUBMITTED TO

Holy Cross College (Autonomous) Nagercoil

[Manonmaniam Sundaranar University]

### IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

#### BACHELOR OF ARTS

Submitted by

NAME	REG NO
AYISHA RISHMIN S	2019482
JEFLIN J S	2019495
JENI SAJITHA J	2019496
JENISHA PREMI R	2019497
NASREEN A	2019507
PREVIA R	2019512
SUSHMITHA M	2019527

Under the guidance of

Mrs. TESSY A JOSEPH, MA, M.Phil



PG & Research Department of English

Holy Cross College (Autonomous)

Nagercoil-4

December 2021

External Examiner

#### **DEPARTMENT OF ENGLISH (SF)**

Racial Discrimination and Insecure Homeland: A Black's

Perspective in Lorrie Moore's A Gate at the stairs

#### PROJECT SUBMITTED TO

Holy Cross College (Autonomous) Nagercoil [Manonmaniam Sundaranar University]

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE

AWARD OF THE DEGREE OF

BACHELOR OF ARTS

Submitted by

NAME	REG NO
ABILASHA MARY A S	2019470
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ASANU VIJI X	2019478
IHSHANA FATHIMA M	2019491
MARRUSHA JEROMI J	2019504
SHAKSHI S	2019522
VIBITHA A	2019530

Under the guidance of

MS. J S. AMLIN BEATRICE MA., PGDC(ELT)., MPhil.



PG & Research Department of English

Holy Cross College (Autonomous)

Nagercoil-4

December 2021

#### **DEPARTMENT OF ECONOMICS**

### AN ECONOMIC STUDY ON CONSTRUCTION WORKERS IN SOKKANKUDIRUPU VILLAGE OF THOOTHUKUDI DISTRICT

A project report submitted to Holy Cross College (Autonomous) Nagercoil

Affiliated to Manonmaniam Sundaranar University in partial fulfilment of the requirements of the degree of

#### BACHELOR OF ARTS

Under the Guidance of

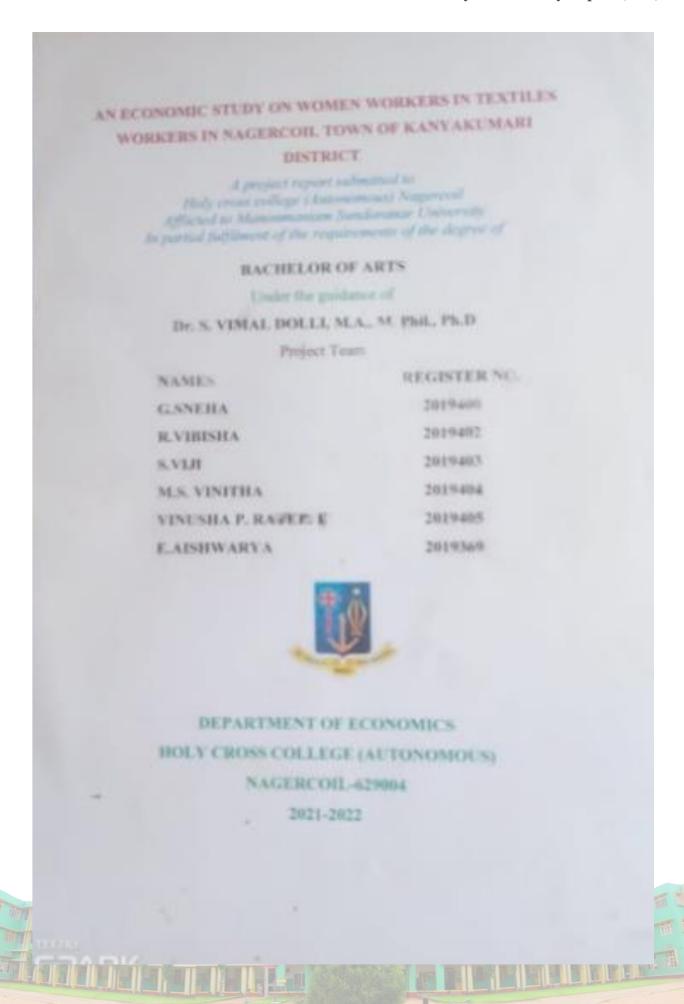
Ms. J. Josephine Shiny, M.A., M.Phil. B.Ed

#### **Project Team**

Name	Reg. No
C. Abinaya	2019717
A. Abira	2019366
M. Adlin Cecilia	2019367
M. Afrin	2019368
P. Akila	2019370



DEPARTMENT OF ECONOMICS
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629004
2021-2022



### A STUDY ON THE IMPACT OF HOTEL WORKERS DUE TO COVID-19 PANDAMIC IN NAGERCOIL

A Project work submitted to Holy Cross College (Autonomous) Nagercoil affiliated to Manonmaniam Sundaranar University in partial fulfilment of the requirements for the award of the degree of Bachelor of Arts in Economics.

Under the Guidance of

Dr.S.JENI SANJANA. M.A., M.Phil., MBA., HDCA., Ph.D.

#### PROJECT TEAM

Name	Reg. No.
Lavina Peter Maria	2019388
Motcha Alangari Silvia.J	2019390
Priya Tharshini.K	2019392
Deshoha Snowfrin V	2019394



DEPARTMENT OF ECONOMICS

HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL - 629004

2021 - 2022

#### AN ECONOMIC STUDY ON MODERNIZATION OF AGRICULTURE FARMING IN PARAKKAI VILLAGE OF KANYAKUMARI DISTRICT

A project report submitted to

Holy cross college (Autonomaus) Nagercoil

Affiliated to ManonmaniamSundaranar University
In partial Fulfilment of the requirements of the degree of

#### BACHELOR OF ARTS

Under the Guidance of

Dr.S.VIMAL DOLLI, M.A., M.Phil., Ph.D.

#### Project Team

NAMES	REGISTER NO
P.FEMINA	2019383
K.GAYATHRI	2019384
M.GNANA ABITHA	2019385
P.HOWSIKA	2019386
J.JENIFER LOORTHU MARY	2019387



DEPARTMENT OF ECONOMICS
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629004
2021-2022

### A STUDY ON THE USAGE OF SOCIAL MEDIA OF WOMEN COLLEGE STUDENTS IN NAGERCOIL.

A project report submitted to Holy Cross College (Autonomous)

Nagercoil affiliated to Manonmaniam Sundaranar University in the

degree of Bachelor of Arts in Economics.

Under the guidance of

Dr. S. JENI SANJANA. MA, M. Phil, MBA, HDCA, Ph. D.

#### PROJECT TEAM

Name	Reg.No.
Cross Rishiba, S	2019378
Deva Tharshini. A	2019379
FathimaRummana. S	2019381
FathimaSajeena. S	2019382



DEPARTMENT OF ECONOMICS
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL-629004
2021-2022.

#### DEPARTMENT OF COMMERCE

#### A STUDY ON EFFECTIVENESS OF ONLINE ADVERTISING

Project report submitted to Holy Cross College (Autonomous),
Nagercoil affiliated to Manonmaniam Sundaranar University,
Tirunelveli in partial fulfilment of the requirement for the award of
the Degree of

#### BACHELOR OF COMMERCE

#### Submitted by

Name	Reg.No
Gracy Klymancia. S	2019579
Jeya Sudha. A	2019583
Lini. D	2019588
Melba. M	2019594
Priva Dharshini. V	2019600

Under the Guidance of

Dr.S.MARY PEARLY SUMATHI, M.Com, B. Ed, M.Phil, Ph. D



DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE NAGERCOIL-629004 DECEMBER-2021 Dr. M. Mary Helen Stella, M.Com., M.Phil., Ph.D.,

Head & Associate Professor in commerce,

Holy Cross College (Autonomous),

Nagercoil - 629 004.

#### CERTIFICATE

This is to certify that the project work entitled "A STUDY ON IMPACT OF SOCIAL MEDIA ON YOUNG CONSUMERS BUYING BEHAVIOUR" is a record of work done by Ancilin viji. A, Anto Jerlin Rino. J, Archana. S, Arockia Manisha. P, Arockiya Mary. J, Jiny Sharmy. J. under my supervision and guidance and submitted in partial fulfilment of the requirement for the Degree of Bachelor of Commerce. It has not been submitted for the award of any other similar titles.

Place: Nagercoil

Date: 15 12 2021

.... 004.

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

H. Bly Helen Stelle SUPERVISOR

# A STUDY ON IMPACT OF SOCIAL MEDIA ON YOUNG CONSUMERS BUYING BEHAVIOUR

A project report submitted to Holy cross college (Autonomous), Nagercoil

Affiliated to Manonmaniam Sundaranar University, Tirunelveli

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

#### BACHELOR OF COMMERCE

#### Submitted by

Name	120 (70)
	Reg. No
Ancilin Viji. A	
W 7 88 87	2019560
Anto Jerlin Rino, J	2017
EXCHOLO	2019562
Archana. S	2019563
	2019363
Arockia Manisha, P	2019564
Arockiya Mary. J	2017304
Mockiya Mary, J	2019565
Jiny Sharmy, J	52.55k
, similar, s	2019584

Under the guidance of

Dr. M. Mary Helen Stella, M.Com., M.Phil., Ph.D.



## DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL- 629 004

DECEMBER - 2021

Dr. M. MARY HELEN STELLA, M. Com., M. Phil, Ph.D.

Head and Associate Professor in Commerce.

Holy Cross College (Autonomous).

Nagercoil-629 004

#### CERTIFICATE

This is to certify that the project work entitled "A Study on usage pattern of online payment mode among customers in Nagercoil" is a bonified record of work done by A. Arthi, N. Baby Abirami, S. Bamisha, K. Bhigaa, under my supervision and guidance and submitted in partial fulfilment of the requirement for the Degree of Bachelor of Commerce. It has not formed basis for the award of any other degree, diploma or any other similar titles.

Place: Nagercoil

Date: 15.12 .2021

SUPERVISOR STELLE

HEAD OF THE DEPARTMENT

Dr. M. MARY HELEN STELLA

ASSOCIATE PROFESSOR

HEAD OF THE DEPARTMENT

DEPARTMENT OF COMMERCE

HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL - 629 004;

EXTERNAL EXAMINAR

#### A STUDY ON USAGE PATTERN OF ONLINE PAYMENT MODE

#### AMONG CUSTOMERS IN NAGERCOIL

Project report submitted to Holy Cross College (Autonomous).

\*\*Nagercoil affiliated to Manonmaniam Sundaranar University.

Tirunelveli in partial fulfilment of the requirement for the award of the Degree of

#### BACHELOR OF COMMERCE

#### Submitted by

Name

Arthi, A

2019567

Baby Abirami, N

2019568

Bamisha, S

2019569

Bhigaa, K

2019570

#### Under the Guidance Of

#### Dr. M. MARY HELEN STELLA, M. Com, M Phil, Ph.D.



### DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE

NAGERCOIL-629004

DECEMBER -2021



NAAC V Cycle Self Study Report (SSR)

Dr. M. Mary Helen Stella, M. Com, M. Phil, Ph.D.,

Associate Professor in commerce,

Holy Cross College(Autonomous),

Nagercoil-629004.

CERTIFICATE

This is to certify that the project work entitled "A STUDY ON THE LEVEL OF **AWARENESS** AND PRECEPTION **TOWARDS** 

E- BANKING SERVICES AMONG E- BANKING CUSTOMERS IN

NAGERCOIL" is a bonafide record of work done by Abisha. M, Agnes

Golda.X, Akshaya.S, Aneeta.P.R, Meka.R under my supervision and guidance

and submitted for the partial fulfillment of the requirement for the degree of

Bachelor of Commerce. It has been submitted for the degree of Bachelor of

Commerce. It has been not submitted for the award of any other similar titles.

Place: Nagercoil

Date: 15 12 2001

HEAD OF THE DEPARTMENT

Dr. M. MARY HELEN STELLA ASSOCIATE PROFESSOR HEAD OF THE DEPARTMENT DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL - 629 004. EXTERNAL EXAMINER

#### AWARENESS AND PERCEPTION OF CONSUMERS TOWARDS GREEN FAST MOVING GOODS IN NAGERCOIL TOWN

A Study Report Submitted to Holy Cross College (Autonomous) affiliated to

Manonmaniam Sundaranar University is partial fulfillment of the requirement

for the award of the degree of

#### **BACHELOR OF COMMERCE**

#### Submitted by

2019572	M. Chairman Brindiya
2019573	K. Chenifer
2019576	J. Fathima Roshika
2019577	J. George Roshini
2019580	M. Janavikha
2019589	M. Mahiba

#### Under the guidance of

DR.SR.S.SAHAYA SELVI, M.com, M.Phil, NET, Phd, PGDCAB.



### DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL-629004

**DECEMBER-2021** 

DR. SR. S.SAHAYASELVI, M.com, M. Phil, NET, Ph.D, PGDCAB.

Assistant Professor in Commerce,

Holy Cross College (Autonomous),

Nagercoil- 629004.

#### CERTIFICATE

This is to certify that the project work entitled 'A STUDY ON AWARENESS AND PERCEPTION OF CONSUMERS TOWARDS GREEN FAST MOVING GOODS IN NAGERCOIL TOWN' is a bonafide record of work done by M. CHAIRMAN BRINDIYA, K. CHENIFER, J. FATHIMA ROSHIKA, J. GEORGE ROSHINI, M. JANAVIKHA, M. MAHIBA under my supervision and guidance and submitted in partial fulfillment of the requirement for the Degree of Bachelor of Commerce. It has not formed the basis for the award of any degree, diploma, or any other similar title.

Place: Nagercoil

Date: 15. 12. 2021

Los

Head of the Department

Head of the Department

NAME TO SERVE

#### NET BANKING SERVICES IN RURAL AREAS OF KANYAKUMARI DISTRICT

Project report submitted to Holy Cross College (Autonomous), Nagercoil affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment of the requirement for the award of the Degree of

#### BACHELOR OF COMMERCE

#### Submitted by

Name	Reg.No
Kelbinsha. X	2019587
Mistika Smoni. J	2019596
Praizy. A	2019597
Prathi Jeno. A	2019598
Sahaya Abisha. S	2019603

Under the Guidance Of

Dr.S.MARY PEARLY SUMATHI, M.Com, B. Ed, M. Phil, Ph.D.



DEPARTMENT OF COMMERCE
HOLY CROSS COLLEGE
NAGERCOIL-629 004
DECEMBER-2021

Dr. S. Mary Pearly Sumathi. M. Com., B. Ed., M.Phil, Ph.D.

Assistant Professor of Commerce.

Holy Cross College (Autonomous).

Nagercoil-629 004

#### CERTIFICATE

This is to certify that the project work entitled "A COMPARATIVE STUDY OF TRADITIONAL AND ONLINE CLASSES" is a bonified record of work done by, Jone Raja Sajina. P, Jose Angel Jeno. J, Mary Snow Sherin. M, Roch Nihitha. L, under my supervision and guidance and submitted in partial fulfilment of the requirement for the Degree of Bachelor of Commerce . It has not formed the basis for the award of any other degree, diploma or any other similar titles.

Place: Nagercoil

Date: 15/12/2021

EXTERNAL EXAMINAR

Dr. M. MARY HELEN STELLA ASSOCIATE PROFESSOR HEAD OF THE DEPARTMENT
DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 004.

#### **DEPARTMENT OF COMMERCE (SF-I)**

#### A STUDY ON PROBLEMS AND PROSPECTS OF ONLINE SHOPPING IN NAGERCOIL TOWN

Project report submitted to HOLY CROSS COLLEGE

(Autonomous), Nagercoil

In partial fulfillment of the award of the degree of

#### **BACHELOR OF COMMERCE**

#### By

T. FathimaNauffa	191192
S. Hanoona	191193
A. Iswarya	191194
M. JanavaCelcia	191195
A. Jancy Rani	191196

Under the guidance of Dr. R. EvalinLatha M.Com, M.Phil, Phd.



HOLY CROSS COLLEGE (Autonomous)

Nagercoil- 620 001

November - 2021

Mrs. S. MERLIN VISTA M.Com, M.Phil, MBA, SLET, NET

Head and Assiant Professor,

Department of Commerce

Holy Cross College (Autonomous)

Nagercoil-629004

#### CERTIFICATE

This is certify that the project entitled, "ROLE OF EMOTIONAL INTELLIGENCE IN PROMOTING JOBPERFOMANCE OF TEACHERS WORKING IN HOLYCROSS COLLEGE (AUTONOMOUS), NAGERCOIL" is a bonafide record of work done by M.Afrin Sulaiha, A.C.Agshatha, C. Akgnes, A. Akhila, A.Alina under my supervision and guidance and submitted in partial fulfillment of the requirements for the degree of Bachelor of Commerce. It has not formed the basis for the award of any degree, diploma, or any other similar title.

Place :Nagercoil

Date: 15/12/21

8. Marlin Vista Head of the department

Ms.S. Merlin Vista Mcom.M.PHAMBASHILLI.

Road of the Departa & Giffor M. JULE-11

External examiner

S. Merlis Vist

#### ROLE OF EMOTIONAL INTELLIGENCE IN PROMOTING JOB PERFORMANCE OF TEACHERS IN HOLY CROSS COLLEGE(AUTONOMOUS), NAGERCOIL.

#### Submitted to

Holy Cross College(Autonomous), Nagercoil.

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

#### BACHELOR OF COMMERCE

#### Submitted by

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Under the guidance of

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# DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE(AUTONOMOUS) NAGERCOIL-629004 NOVEMBER-2021

Dr.G.Sahaya Shiny, M.Com., M.Phil., Ph.D.

Assistant professor of commerce,

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#### **CERTIFICATE**

This is to certify that the dissertation entitled "A STUDY ON CUSTOMER SATISFACTION TOWARDS RELIANCE TRENDS IN NAGERCOIL" is a bonafide research work for the award of the degree of Bachelor of commerce. It has not formed the basis of the award of any degree, diploma and any other similar titles.

Place: Nagercoil

Date: 15-12-2021

Guide supervisor

**Head of the Department** 

### A STUDY ON CUSTOMER SATISFACTION TOWARDS RELIANCE TRENDS IN NAGERCOIL

#### Submitted to

Holy Cross College (Autonomous), Nagercoil
In partial fulfilment of the requirement
for the award of the degree of

#### **BACHELOR OF COMMERCE**

#### Submitted By

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## DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL- 629004

November-2021

Dr. P. M. Sirumalar Rajam, M. Com., B.Ed., M.Phil., Ph.D.
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#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON EMPLOYEE WELFARE MEASURES WITH REFERENCE TO ISRO" is a bona-fide record of work done by REEJA MEDILDA. J, RINOSHA. B, RUBA DHARSHINY.A, SAHAYA APSA. P, SAHAYA CONSTENSE HELINA. S, SAHAYA JOSHINL. N under my supervision and guidance and submitted in Partial fulfilment of the requirements for the degree of Bachelor of Commerce. It has not been submitted for the award of any other similar titles.

Place: Nagercoil

Date: 15.12.2021

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HEAD OF THE DEPARTMENT

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Dr. P. M. SirumalarRajam

EXTERNAL EXAMINER

### A STUDY ON EMPLOYEE WELFARE MEASURES WITH REFERENCE TO ISRO

#### (INDIAN SPACE RESEARCH ORGANISATION)

Project Report Submitted to

Holy Cross College (Autonomous), Nagercoil

Affiliated to ManonmaniamSundaranar University, Tirunelveli

in Partial fulfillment of the requirement for the award of the degree of

#### **BACHELOR OF COMMERCE**

#### Submitted By

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DEPARTMENT OF COMMERCE SELF FINANCE HOLY CROSS COLLEGE
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NAGERCOIL-4
DECEMBER 2021

Mrs. A.Franklin Ragila, M.Com., MCS., M.Phil., NET.

Assistant Professor of Commerce

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#### CERTIFICATE

This is to certify that the dissertation entitled "THE STUDY ON THE SOCIO-ECONOMIC CONDITIONS OF FISHERMEN AT SPECIAL REFERENCE TO IDINDAKARAI VILLAGE IN TIRUNELVELI DISTRICT" is a bonafide research work done by LESHA .E, LIZAL PONMANI .I, LOURDU MAHIMA .J,

MARIA SNEGA .J under my supervision, guidance and submitted in partial fulfilment for degree of Bachelor of Commerce. It has not formed the basis of the award of any degree, diploma or any other similar title.

Place: Nagercoil

Date: 15:12:2021

B Mestin Vista Head of the Department

Ms.S.Merlin ...

External Examiner

Lankt

# THE STUDY ON THE SOCIO-ECONOMIC CONDITIONS OF FISHERMEN AT SPECIAL REFERENCE TO IDINDAKARAI VILLAGE IN TIRUNELVELI DISTRICT

#### Project submitted to

Holy cross college (Autonomous) Nagercoil

In partial fulfilment of the requirement

For the award of the degree of

#### BACHELOR OF COMMERCE

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## DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL-4

<sub>h. M.Charles</sub> Dayana, M.Com., M.Phil., Ph.D.

Professor of Commerce

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gercoil - 629004

### CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON CONSUMERS' PERCEPTION ON OFFLINE SHOPPING AND ONLINE SHOPPING WITH REFERENCE TO NAGERCOIL" is a bonafide research work done by JENIFER.I TENISHA.C, KANISTA.K, KIRUTHIKA.A, KRISHNAVENI.Munder my supervision. guidance and submitted in partial fulfilment for degree of Bachelor of Commerce. It has not formed the basis of the award of any degree, diploma or any other similar title.

Place: Nagercoil

Date: 15.12.2021

Head of the Department

## A STUDY ON CONSUMERS' PERCEPTION ON OFFLINE SHOPPING AND ONLINE SHOPPING WITH REFERENCE TO NAGERCOIL

Project submitted to

Holy cross college (Autonomous) Nagercoil

In partial fulfilment of the requirement

For the award of the degree of

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# DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL-4

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Assistant Professor.

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CERTIFICATE

This is to certify that the project work entitled "A Study on the Impact of Ebanking Services among Consumer in Nagercoil Town" is a bonofide research work done by Nabeeha Basheer Ahamed, B.Nithisha, K.Pavithra, G. Preetha, A. Rasmi under my supervision and guidance and submitted in partial fulfillment of the requirements for the Degree of Bachelor of Commerce .It has not formed the basis for the award of any degree, diploma, or any other similar title.

Place: Nagercoil

Date: 15 - 12 - 202

Supervisor

Head of the Department

## A Study on the Impact of E-banking Services among Consumer in Nagercoil Town

A study report submitted to

#### Holy Cross College (Autonomous), Nagercoil

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

#### **BACHELOR OF COMMERCE**

#### Submitted by

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#### DEPARTMENT OF COMMERCE

HOLCROSS COLLEGE (AUTONOMOUS)

NAGERCOIL- 629004

**NOVEMBER-2021** 

## CERTIFICATE

This is to certify that the project entitled "A STUDY ON PASSENGER SATISFACTION TOWARDS ROAD TRANSPORTATION IN NAGERCOIL" is a bonafide record of work done by the project team members under my supervision and guidance and is submitted in partial fulfilment of the degree of the Bachelor of Commerce. It has not been submitted for the award of any degree, diploma, associateship or fellowship of any university or institution.

Place: Nagercoil

Date: 15 . 12 . 21

S. Meslin Vista

Head of the Department

**Supervisor** 

S. Tameela

External Examiner

# A STUDY ON PASSENGER SATISFACTION TOWARDS ROAD TRANSPORTAION IN KANNIYAKUMARI

Project Report submitted to
Holy Cross College (Autonomous), Nagercoil
Affiliated To Monomania Sundaranar University Tirunelveli
In partial fulfilment of the requirements for the award of degree of
BACHELOR OF COMMERCE

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Under the guidance of S. JAMEELA, M.com, M. Phil.



DEPARTMENT OF COMMERCE,
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#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON JOB SATISFACTION AMONG PRIVATE SCHOOL TEACHERS IN NAGERCOIL TOWN" is a bonafide record of work done by the project team members under my supervision and guidance and is submitted in partial fulfillment of the degree of the Bachelor of Commerce. It has not been submitted for the award of any degree, diploma, associateship or fellowship of any university or institution.

Place: Nagercoil

Date: 15. 12. 21

Supervisor

S. Jameela

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Head of the Department

ternal Examiner

#### **DEPARTMENT OF COMMERCE (SF-II)**

## A STUDY ON FAST FOOD CONSUMPTION TOWARDS YOUNG GENERATION IN NAGERCOIL TOWN

Submitted to Holy Cross College (Autonomous), Nagercoil

In partial fulfillment for the award of the degree of

#### **BACHELOR OF COMMERCE**

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DEPARTMENT OF COMMERCE HOLY CROSS COLLEGE (AUTONOMUS) NAGERCOIL - 629 004 2021 - 2022



## A STUDY ON CUSTOMER SATISFACTION TOWARDS FLIPKART APPLICATION IN NAGERCOIL TOWN

Project work submitted to Holy Cross College (Autonomous), Nagercoil

In partial fulfilment for the award of the degree of

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DEPARTMENT OF COMMERCE
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL – 629004
2021-2022

## PROMOTIONAL TECHNIQUES ADOPTED BY THE SELLERS TO ATTRACT THE CONSUMERS

Project report submitted to Holy Cross College (Autonomous ), Nagercoil.

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### **Bachelor of Commerce**

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## A STUDY ON IMPACT OF COVID-19 ON PADESTRIAN VENDORS IN NAGERCOIL TOWN

#### Submitted to

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### DEPARTMENT OF COMMERCE

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2021-2022



## A STUDY ON MARTETING OF AGRICULTURAL PRODUCTS IN AGASTEESWARAM TALUK

Project work submitted to holy cross college (autonomous), Nagercoil

In partial fulfillment for the award of the degree of

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DEPARTMENT OF COMMERCE
HOLY CROSS COLLEGE (AUTONOMOUS)
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## A STUDY ON THE RESPONSIBILITY OF MEDIA TOWARDS THE SOCIETY IN NAGERCOIL TOWN

Project work submitted to Holy Cross College (Autonomous), Nagercoil

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7/21-2022