



# Holy Cross College (Autonomous) Nagercoil – 629 004

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

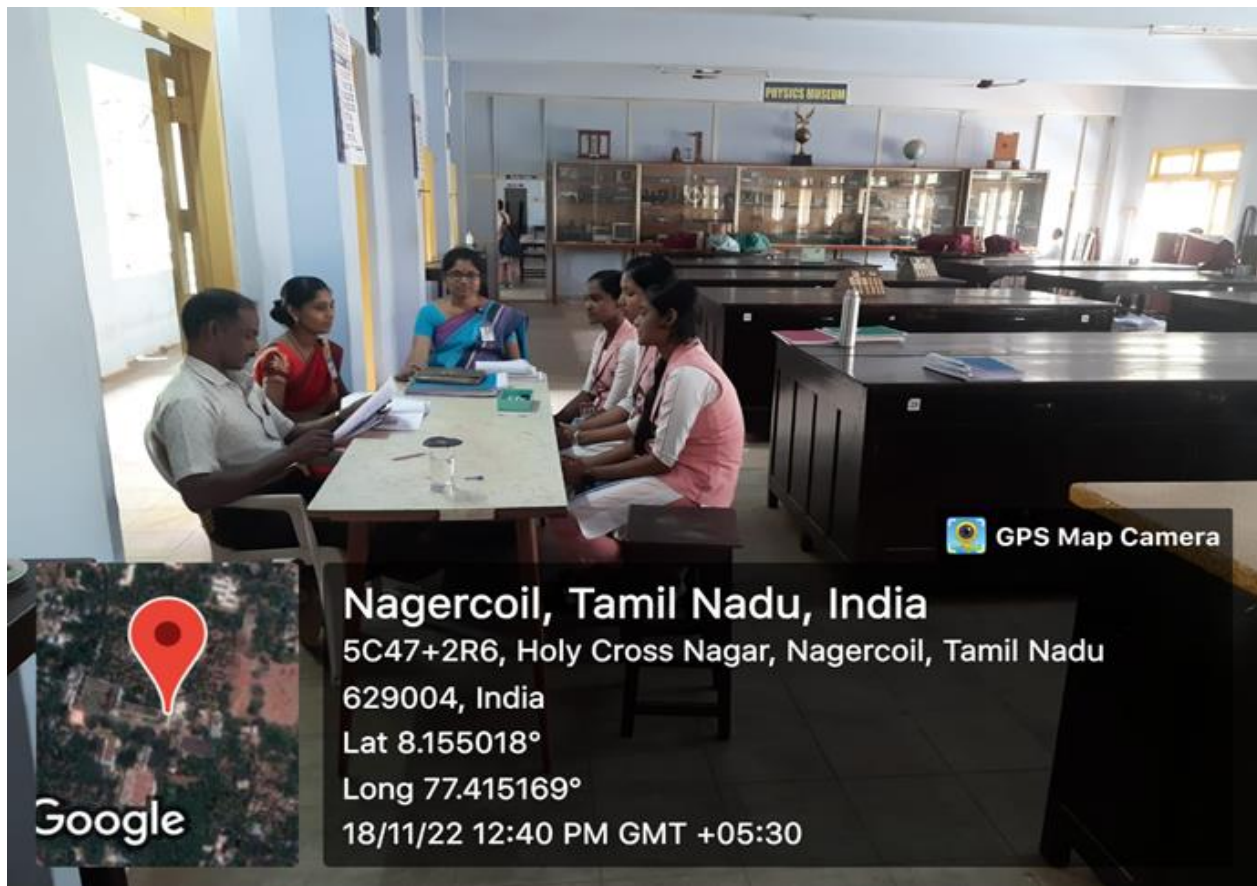
2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT-enabled tools including online resources for effective teaching and learning process

## GROUP PROJECTS





# NAAC V Cycle Self Study Report (SSR)







Holy Cross College, Nagercoil  
EVS Project Viva-voce Examination  
26.10.2023 14:44  
8.15503, 77.41514  
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil, Tamil  
Nadu 629002



I M.Sc Chemistry  
Field Project Viva  
31.10.2023 11:49  
8.15506, 77.41529  
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil, Tamil  
Nadu 629002





# NAAC V Cycle Self Study Report (SSR)



Project  
03.08.2023 10:26





## NAAC V Cycle Self Study Report (SSR)







# NAAC V Cycle Self Study Report (SSR)

## A STUDY ON VERTEX COLORING OF GRAPHS AND ITS APPLICATIONS

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

**R. JENI SIYONI**

Reg. No. 2017023

**K. KARMELO DIANA**

Reg. No. 2017029

**J. MARIA ABITHA**

Reg. No. 2017034

**R. SAHAYA SILBIYA**

Reg. No. 2017042

Under the guidance of

**Dr. V. SUJIN FLOWER, M.Sc., M.Phil., Ph.D.,**



DEPARTMENT OF MATHEMATICS (AIDED)  
HOLY CROSS COLLEGE (AUTONOMOUS)  
(RE-ACCREDITED WITH A+ GRADE (CGPA 3.35))  
(AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY)  
NAGERCOIL – 629 004.

OCTOBER 2019

## SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF MANGANESE OXIDE NANOPARTICLES

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

**Akila Devi.S**

Reg.No: 2017138

**Anisha. B.S**

Reg.No: 2017139

**Anju.M**

Reg.No: 2017140

**Anuja.V**

Reg.No: 2017141

**Aro Evangelin.J**

Reg.No: 2017142

Under the Guidance of

**Mrs. L. Deva Vijila**



DEPARTMENT OF CHEMISTRY  
HOLY CROSS COLLEGE (AUTONOMOUS)  
[RE-ACCREDITED WITH A+ GRADE (CGPA 3.35)]  
NAGERCOIL – 629 004  
MARCH 2020

## A STUDY ON CUSTOMER SATISFACTION AMONG E-BUYERS NAGERCOIL

Project 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

NAME	REG.NO
N.FATHIMA NAZEEHA	2017635
HOORULEIN JUNAIITH	2017637
A.INFANT JESMA	2017638
S.NIVETHA	2017643
B.POOJA KUMARI	2017644
S.SHABOORA YASMEEN	2017653

Under the guidance of

**Mrs. J.JENIFER, MBA, M.Com, M.Phil.**



DEPARTMENT OF COMMERCE  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL-629004  
OCTOBER-2019

## METHODS AND APPROACHES OF IMPARTING THE BASIC SKILLS OF LEARNING ENGLISH AS A SECOND LANGUAGE

PROJECT

Submitted by

Swedha Ashme A	2017418
Nisha D	2017403
Gandhi Mathi G	2017387
Jeya Riyassini M	2017394
Monisha C U	2017402
Ashmi V S	2017376

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

BACHELOR OF ARTS IN ENGLISH

Under the guidance of

**Dr. R. Abilasha, M.A., M.Phil., Ph.D.**



P.G & RESEARCH DEPARTMENT OF ENGLISH  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL - 4  
OCTOBER 2019



# NAAC V Cycle Self Study Report (SSR)

**A BRIEF REVIEW ON HYDROXYAPATITE**

**PROJECT REPORT**  
Submitted to Holy Cross College (Autonomous), Nagercoil  
Affiliated to Manonmaniam Sundaranar University  
in partial fulfillment of the requirement for the award of the degree of


**MASTER OF SCIENCE IN PHYSICS**

by

**M. SHANMUGAPRIYA** (Reg. No. 219068)  
**F. SHANOLIJA** (Reg. No. 219069)

Under the guidance of

**Sr. S. SEBASTIAMMAL, M.Sc., M.Phil.**



**DEPARTMENT OF PHYSICS  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL – 629004**

**2020-2021**

**TAXONOMIC STUDY ON SELECTED SPECIES OF SOLANACEAE**


Dissertation submitted to the Manonmaniam Sundaranar University  
in Partial fulfillment of the degree of  
Master of Science in Botany

Submitted by

**Keerthi.K. S (Reg No: 219100)**  
**Sopna. R (Reg No: 219104)**

Under the Guidance of

**Dr. N. BENIT**  
(Assistant Professor, Department of Botany)



**DEPARTMENT OF BOTANY  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL – 629 004  
OCTOBER - 2020**

1

**The Journey of H. Vasantha Kumar-  
An Epitome for Youngsters**

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


**MASTER OF ARTS IN HISTORY**

Submitted by

**G.Sahaya Gilda 191327**  
**D.Tamilkodi 191331**

Under the Guidance of

**Dr. R. Suji**



**DEPARTMENT OF HISTORY  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL-629 004  
NOVEMBER-2020**

**USAGE PATTERN OF AADHAR CARD AMONG  
PUBLIC IN NAGERCOIL TOWN**

*Project Report submitted to  
Holy Cross College (Autonomous), Nagercoil  
Affiliated to Manonmaniam Sundaranar University, Tirunelveli  
In partial fulfillment of the requirements for the award of the degree of*


**MASTER OF COMMERCE**

Submitted by

**E. MACRITH DINOSHA : 219220**  
**J. MARIA ANTONY SALOMIYA : 219221**

Under the guidance of

**MRS. A. FRANKLIN RAGILA M. C. S., M. Com., M. Phil., NET.**



**DEPARTMENT OF COMMERCE  
HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL-629004  
NOVEMBER 2020**





# NAAC V Cycle Self Study Report (SSR)

## 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

## ART GALLERY

*Submitted in partial fulfillment of the requirement for the degree of*

BACHELOR OF COMPUTER SCIENCE  
Of Manonmaniam Sundaranar University, Tirunelveli

Submitted by

J.ANTO MEDONA (2019273)

R.SHENU ROBERT (2019312)

V.PASTUS STEPHINA GARFRAY (2019301)

Under the Guidance of  
Ms.Bithiah Blessie,V.R M.sc,B.Ed,M.Phil



DEPARTMENT OF COMPUTER SCIENCE  
HOLY CROSS COLLEGE (Autonomous)  
NAGERCOIL - 629 004.

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
JEFLLIN 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

## 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 fulfillment 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


# NAAC V Cycle Self Study Report (SSR)

Project Report For Community Engagement Course  
II M.Sc Mathematics(AIDED)  
**ANGANWADI A BOON OF RURAL CHILD AND WOMEN DEVELOPMENT**

Submitted by,

P.J. GINISHA (2021APM312)  
R. JENISHA (2021APM314)  
V.K. MANUSHA (2021APM315)  
W.H. MONIC DEVINETIA (2021APM316)  
J. MONICA (2021APM317)  
S. NIHISHA (2021APM318)  
A. RAPHEAL ANTONY JESWIN (2021APM319)  
L. SAHAYA ANGEL FRANCY (2021APM320)

Under the guidance of  
Dr. A. JANCY VINI, M.Sc., M.Phil., SET., Ph.D.  
Assistant Professor




DEPARTMENT OF MATHEMATICS (AIDED)  
HOLY CROSS COLLEGE (AUTONOMOUS)  
RE – ACCREDITED WITH A+ GRADE (CGPA 3.35)  
(AFFILIATED TO MANONMANIAM SUNDARNAR UNIVERSITY)  
NAGERCOIL – 629 004  
NOVEMBER – 2022

**Water resource management  
In Annainager (Nagercoil)**

Submitted by,

C.Abarna josephin - 2021 SPG237  
P.Anees asariga - 2021 SPG238  
M. Anie Jenifer - 2021SPG239  
S. J Anu Godlin - 2021SPG240  
V. Ashmitha mol - 2021SPG241  
S. Goldin Sneha - 2021SPG242  
P. Hindhuja - 2021SPG243  
S. Mickilda Eskalin - 2021SPG244

Under the guidance of Mrs.L.Deva Vijila




**HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL-629004**

COMMUNITY ENGAGEMENT COURSE  
PROJECT SUBMITTED TO  
HOLY CROSS COLLEGE (AUTONOMOUS)  
(Affiliated to Manonmaniam Sundaranar University)

Submitted by

A. Ancy Femina Rose 2021APE373  
P. Anisha 2021APE375  
M. Antriya Bertilla 2021APE377  
T. Binu Dalmya 2021APE382  
E. Euneshiya 2021APE385  
P. Gowshika 2021APE387  
S. Herin Sweka 2021APE390  
S. Kalpana 2021APE392




PG & RESEARCH DEPARTMENT OF ENGLISH  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL  
NOVEMBER 2022

CONSOLIDATED REPORT ON OBSERVATION VISIT AND RURAL CAMP

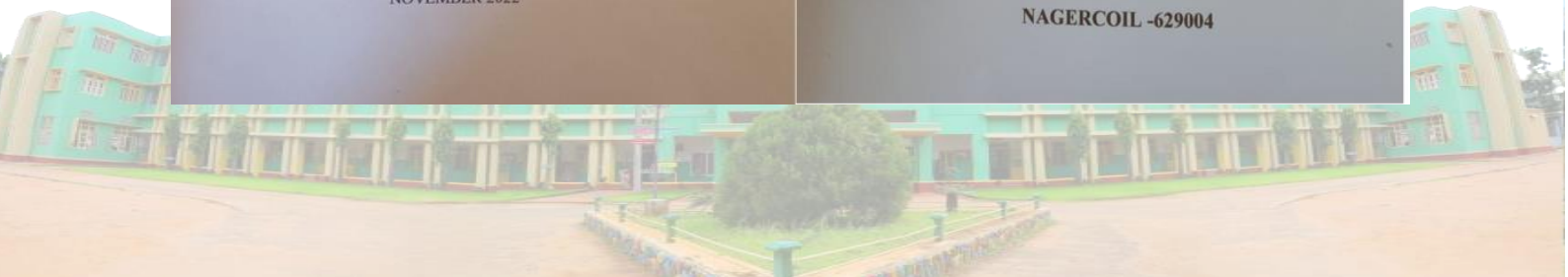
SEMESTER I  
(AUGUST 2022 - NOVEMBER 2022)

Submitted by  
**KARTHIKA . A**  
I M.S.W  
Reg. No :2022SPW221

UNDER THE GUIDANCE OF  
**Ms. J. MARY DEEBA**  
( HEAD, PG DEPARTMENT OF SOCIAL WORK )



**PG DEPARTMENT OF SOCIAL WORK  
HOLY CROSS COLLEGE (AUTONOMOUS),  
NAGERCOIL -629004**





# NAAC V Cycle Self Study Report (SSR)

**Water Pollution: A threat to the Society**  
PROJECT SUBMITTED TO THE CENTER FOR ENVIRONMENTAL EDUCATION,  
HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL.

Submitted By

Name	Registration Number
1.Aruna Devi. T	2021AUP058
2.Ashiba. A	2021AUP059
3.Ashmin. M	2021AUP060
4.Banu. K	2021AUP061
5.Bithuna. E	2021AUP062

Under the guidance of

**Dr. V.Shally,M.Sc.,M.Phil.,Ph.D.**



**DEPARTMENT OF PHYSICS**  
**HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL**  
Accredited with A<sup>+</sup> Grade (CGPA 3.35 - IV Cycle) by NAAC  
Affiliated to Manonmaniam Sundaranar University, Tirunelveli  
November-2023

**STUDY OF NOISE POLLUTION IN KAVALKINARU, TIRUNELVELI DISTRICT,  
TAMILNADU, INDIA**

Project report submitted to the

**HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL**  
affiliated to Manonmaniam Sundaranar University, Tirunelveli

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

**BACHELOR OF BOTANY**

Submitted by

W. Biniya Joshila	2021AUB124
J. Jainab Meera	2021AUB126
M. Manisha	2021AUB128
D. Sahaya Felcia	2021AUB131
J. Sahaya Subitha	2021AUB132

Under the Guidance of

**Dr. C. Anitha, Ph.D.**

Assistant professor, Department of Zoology,  
Holy Cross College (Autonomous), Nagercoil



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

இனங்கலை மூன்றாமாண்டு தமிழ் இலக்கியம்  
சுற்றுச் சூழல் கல்வி

தேரால்கிறாள் கல்லூரி வளாக மூலகைகள்

திட்டக்கட்டுரை

கட்டுரைப்பாளர்கள்	பதிவு எண்
க.ஆன்ரேசா கனி	2021SUT098
ஜெ.இன்பென்டா ரோஷனி	2021SUT099
ம.பிரிஜித்தா	2021SUT100
நா.சுபினி நல்லா	2021SUT101
ச.சரண்பா	2021SUT102
ச.உ.தயா	2021SUT103
செ.அபிநயா	2021SUT416

மேற்பார்வையாளர்

முனைவர் ம.மேயல் எடல்குபிள்



தமிழ்த்துறை (சுயநிதி)  
தேரால்கிறாள் கல்லூரி (தன்னாட்சி)  
நாகர்கோவில் - 629004.  
அக்டோபர் - 2023

**A STUDY ON TYPES OF ECOSYSTEM**

Project report on Environmental Studies 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 Commerce

Submitted by

Name of the students	Register Number
Agusta Jerlyn.P	2021AUA245
Anushiya.A	2021AUA251
Benisha MoLC	2021AUA258
Harheina.J	2021AUA267
Jerona.S	2021AUA271
Joshini Clement.J	2021AUA273
Sarumathi.K.U.	2021AUA297

Under the guidance of

**Dr G. HESIL JERDA, M.Com., M.Phil., Ph.D**

Assistant Professor of Commerce



**DEPARTMENT OF COMMERCE**  
**HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL**  
Accredited with A<sup>+</sup> Grade(CGPA 3.35-IV Cycle) by NAAC  
Affiliated to Manonmaniam Sundaranar University, Tirunelveli

October, 2023

# NAAC V Cycle Self Study Report (SSR)

## PROMOTING EDUCATION AND JOB OPPORTUNITIES

Field Project Report on Promoting Education and Job Opportunity 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 MATHEMATICS

Submitted by

ASHIKA. A (Reg.No:2022AUM013)  
ASHLY. X. L (Reg.No:2022AUM014)  
CAROLIN JONNA. U. S (Reg.No:2022AUM019)  
DHANYA. M. R (Reg.No:2022AUM021)  
JASMI. S. A (Reg.No:2022AUM024)

Under the guidance of

Dr. A. Anat Jaslin Jini, M. Sc., M.Phil., SET., Ph.D.  
Assistant Professor of Mathematics



DEPARTMENT OF MATHEMATICS  
HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL  
Accredited with A<sup>+</sup> Grade (CGPA 3.35 - IV Cycle) by NAAC  
Affiliated to Manonmaniam Sundaranar University, Tirunelveli

OCTOBER 2023

1

## ASSESSMENT ON WATER RESOURCE IN ANNAI NAGAR

Field Project Report on Assessment on water resource in Annai Nagar 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 COMPUTER SCIENCE

Submitted by:

A. Jessica (Reg.no: 2022SUS023)  
S. Amala Sona (Reg.no: 2022SUS005)  
P. Amala Prisha (Reg.no: 2022SUS004)  
J. Nilopher (Reg.no: 2022SUS034)  
J. Kenziya (Reg.no: 2022SUS028)  
M. Valli (Reg.no: 2022SUS047)

Under the guidance of

Mrs. C. Sherisha, M.Sc. M. Phil., b. Ed  
Assistant Professor of Computer Science



DEPARTMENT OF COMPUTER SCIENCE  
HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL  
Accredited with A<sup>+</sup> Grade (CGPA 3.35 - IV Cycle) by NAAC  
Affiliated to Manonmaniam Sundaranar University, Tirunelveli

OCTOBER 2023

HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL

Nationally Re-accredited with (A+) NACC (CGPA 3.35)

Affiliated to Manonmaniam Sundaranar University, Tirunelveli.



## PROJECT REPORT FOR COMMUNITY ENGAGEMENT COURSE

### NUTRI KITCHEN GARDEN IN THOLLAVILLAI VILLAGE

Under the guidance of

Dr. A. Punitha, M.sc., M.phil., Ph.D.  
(Assistant Professor, Department of Zoology)

SUBMITTED BY

NAME	REG.NO
JOTHIKA . G	2022AUZ129
MALATHI. S.	2022AUZ130
RAGISHA STANI	2022AUZ133
RENUKA. S.	2022AUZ134
RESHMI.A	2022AUZ135
ROSENDA CLARE	2022AUZ136

## A Project Report for Community Engagement Course

### A STUDY ON BASIC FACILITIES AVAILABLE IN PERUVILAI

Submitted By:

Name	Reg. No
K. T. Sureka	2022AUA288
S. Emaalin	2022AUA248
G. Evelin Jovita	2022AUA249
A. Sahaya Rishani	2022AUA277
S.R. Stephira	2022AUA287
J. Sherlin Princy	2022AUA285
J. Jazis	2022AUA253
X. Vinoba	2022AUA291

Under the guidance of

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



DEPARTMENT OF COMMERCE  
HOLY CROSS COLLEGE (AUTONOMOUS)

NAGERCOIL-629 004

October - 2023



# NAAC V Cycle Self Study Report (SSR)

## STUDY ON RANDIC ENERGY OF A GRAPH

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

**Master of Science in Mathematics**

Submitted by

**AKSHA.C**

Reg.No: 2022APM295

Under the Guidance of

**Dr. S.SUJITHA, M.Sc., M.Phil., B.Ed.,Ph.D.,**



DEPARTMENT OF MATHEMATICS  
HOLY CROSS COLLEGE(AUTONOMOUS)  
ACCREDITED WITH A+ GRADE (CGPA3.35-IV CYCLE)BY NAAC  
AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY,TIRUNELVELI  
NAGERCOIL - 629 004  
OCTOBER - 2023

## SYNTHESIZE AND CHARACTERIZATION OF NATURAL RUBBER BLENDED COPPER OXIDE NANOPARTICLE

**PROJECT REPORT**

Submitted to Holy Cross College (Autonomous) Nagercoil, affiliated to Manonmaniam  
Sundaranar University in partial fulfillment of the requirement for the award of the degree  
of

**MASTER OF SCIENCE IN PHYSICS**

By

**SUJI S (2022APP422)**

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  
NOVEMBER-2023

## ADSORPTION OF REACTIVE DYES FROM AQUEOUS SOLUTION USING ACTIVATED CARBON PREPARED FROM THE ROOT OF RUELLIA TUBEROSA AND AMARANTHUS DUBIUS

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

Master of Science in Chemistry

Under the guidance of

**Dr. M.ANTILIN PRINCELA**

Submitted by

**M. ABITHA**

(Reg. No: 2022SPG140)



DEPARTMENT OF CHEMISTRY  
HOLY CROSS COLLEGE (AUTONOMOUS)  
NAGERCOIL-629004  
OCTOBER 2023

## "ANALYSIS OF THE PHYTOCHEMICALS OF CORIANDER ESSENTIAL OIL AND THEIR QUALITY OF OIL BY FT-IR"

Thesis Submitted to Manonmaniam Sundaranar University  
In partial fulfillment of the requirements for the award of the degree of

**MASTER OF SCIENCE IN BOTANY**

Submitted by

**R.SAHAYA SNEHA**

(Reg. No. 2022SPB243)

Under the guidance of

**Dr.S.KALA VETHA KUMAR,M.Sc,M.Phil,Ph.D**

(Assistant Professor, Department of Botany)



DEPARTMENT OF BOTANY  
HOLY CROSS COLLEGE (AUTONOMOUS),  
Accredited with A+ Grade (CGPA 3.35) by NAAC  
NAGERCOIL- 629 004  
OCTOBER 2023

