



ST. ANN'S COLLEGE FOR WOMEN

(Affiliated to Acharya Nagarjuna University,
Recognized Under Section 2(f) of UGC Act 1956-New Delhi)
Amaravathi Road, Gorantla, Guntur – 522034 (A.P)

Email: st_anns_coll@yahoo.co.in Website: www.stannscollegeforwomen.org

Criterion: II

Metric –2.3.1



2.3.1 STUDENT CENTRIC METHODS

Department of Microbiology



Department of **MICROBIOLOGY**

STUDENT CENTRIC METHODS

Experiential Learning	Participative Learning	Problem Solving
- Work shop	- Practical Demonstration	- Mini Projects
- Lab sessions	- Industrial visits	- Assignments
- Project & Internship	- Exhibitions	
- Group Discussions	- Student seminars	
- Poster presentations	- Competitions-Quiz	
- Power point Presentations	- Blood Groups	
	- Pioneer of Microbiology	

Experiential Learning



On 28th April 2023, Department of Microbiology along with college management had organized BIOANALYTICA-2023, “ One-Day Workshop on Bio Analytical Techniques” with the Collaboration of Pasteur Education and research Training Laboratory (PEARL) Guntur. Dr. M. Guravaiah, Asst. Professor, HOD, Dept. of Bio–Technology & Microbiology, JKC College Guntur is the Resource person of the Programme, participation certificate had given to all the Participants around 125 students from various colleges were participated in this Workshop. To train the Students for the development of Microbial Culture methods. To Provide the participants hands on – Experience on Microbial Analytical Techniques



Students Explaining the Microbial Culture Techniques



Students presenting the Antibiotic Disc Diffusion Method



Students Explaining about the Digital colony Counter, other techniques of Microbiology



Students Explaining Immobilization method





Certificate Presentation



- ❖ To Develop understanding ability of concepts to work together
- ❖ To Enhance Research skills among the students









INTERNSHIPS AND PROJECTS

As per the revised CBCS based curriculum which is implemented from the academic year 2020-21, three internships are mandatory for all students

First Internship (Community service project)

To inculcate social responsibility and compassionate commitment among the students, the summer vacation in the intervening **1st and 2nd Semester** of study shall be for Community Service Project

To provide students an opportunity to familiarize themselves with urban / rural

Second Internship (after 2nd year examinations):

Learn to appreciate work and its function towards future

Third internship (5th/6thSemester period):

During the entire 5th /6th Semester, the student shall undergo Apprenticeship / Internship. This is to ensure that the students develop hands on technical skills which will be of great help in facing the world of work.

**PROGRAM BOOK
FOR
COMMUNITY SERVICE PROJECT**
*Submitted in accordance with the requirement for the
Degree of BACHELOR OF SCIENCE*



Submitted by
YENDRATHI . ANGEL



Reg. No : OAM202101613350

Hall Ticket No : Y213158053

PERIOD OF CSP : FROM OCTOBER To DECEMBER

NAME OF THE PROJECT: AWARENESS ON DIABETES

NAME OF THE VILLAGE : GORANTLA

PRATHIPATI (MANDAL)

GUNTUR (Dt).

Under the Guidance of

Mrs.B.RANJITHA

DEPARTMENT OF MICROBIOLOGY

ST. ANN'S COLLEGE FOR WOMEN

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY)

GORANTLA, GUNTUR-34.

ANDHRA PRADESH.

2020 – 2021.

ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A STATUTORY BODY OF GOVERNMENT OF ANDHRAPRADESH).

Student's Declaration

I, yendrathi Angel, a student of CSP Program,
Reg. No. Y213158053 of the Department of Microbiology
St-Anns College do hereby declare that I have completed
the mandatory community service from October to December in
gorantla (Name of the Community/Habitation) under the Faculty
Guideship of Mrs. B. Ranjitha, (Name of the Faculty Guide), Department
of Microbiology in St Ann's College

y. Angel - 15/12/22
(Signature and Date)


Endorsements

B. Ranjitha
Faculty Guide

Head of the Department

B. Ranjitha
Head of Dept. of Microbiology
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

Principal

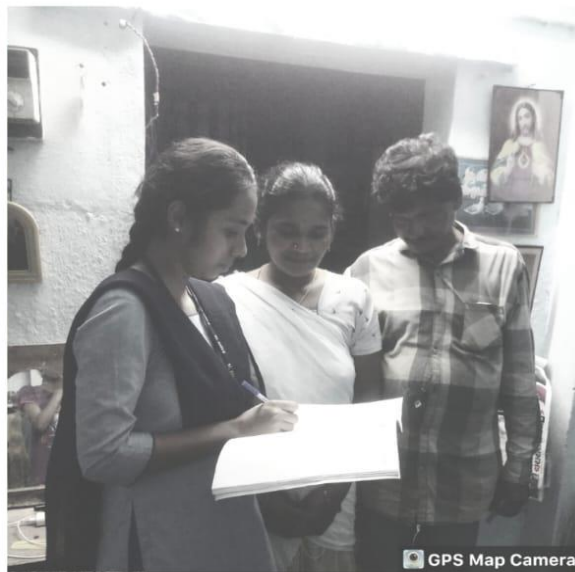

PRINCIPAL
St. Ann's College for Women
GORANTLA, GUNTUR-522 034

Page No:




GPS Map Camera

 **Guntur, Andhra Pradesh, India**
8F63+9RM, Gorantla, Guntur, Andhra pradesh
522002, India
Lat 16.311095°
Long 80.454408°
08/11/22 GMT +05:30



GPS Map Camera

 **Guntur, Andhra Pradesh, India**
8F63+9RM, Gorantla, Guntur, Andhra pradesh
522002, India
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8F63+9RM, Gorantla, Guntur, Andhra pradesh
522002, India
Lat 16.311095°
Long 80.454408°
15/11/22 3:10 a.m

PROGRAMBOOKFOR
SHORTTERMINTERNSHIP

SubmittedinaccordancewiththerequirementfortheDegree of
BACHELOROFSCIENCE



Submittedby
Mukku.Pavithra

HallTicketNo:Y213158038

PERIODOFINTERNSHIP FROM MAYTO:JULY

NAMEOFTHEORGANIZATION :SALESFORCEDEVELOPER

UndertheGuidanceof
Mrs.B.Ranjitha

DEPARTMENTOFMICROBIOLOGY

ST.ANN'SCOLLEGEFORWOMEN

(AFF TOACHARYANAGARJUNAUNIVERSITY)GORANTLA,GUNTUR-34.
ANDHRAPRADESH.

2022—2023.

ANDHRAPRADESHSTATECOUNCILOFHIGHEREDUCATION
(ASTATUTORYBODYOFGOVERNMENTOFANDHRAPRAOESH)

Official Certification

This is to certify that M. Pavithra (Name of the student) Reg. No. Y2U158038 has completed his/her Internship in online smart tern (Name of the Intern Organization) on Salesforce developer (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of microbiology in the Department of st Ann's college for women (Name of the College).

This is accepted for evaluation.

M. Pavithra - 28/8/23
(Signatory with Date and Seal)

Endorsements

B. Rajitha
Faculty Guide

Head of the Department

B. Rajitha
Head of Dept. of Microbiology
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

Principal


PRINCIPAL
St. Ann's College for Women
GORANTLA, GUNTUR-522 034

Page No:



In Partnership With



CERTIFICATE OF COMPLETION

August 31, 2023

Mukku Pavithra

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship (**May-July 2023**), Mukku Pavithra has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Developer Super Set

Certificate ID: SISFVIPAD2023 -63966 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/d842874d41720e94a3b8f3eab4a2f72e

Shri Buddha Chandraseker

Chief Coordinating Officer(CCO),
NEAT Cell-AICTE

Mr Amarender Katkam

Founder & CEO, TheSmartBridge &
SmartInternz

**PROGRAM BOOK
FOR
LONG TERM INTERNSHIP PROJECT**

*Submitted in accordance with the requirement for the
Degree of BACHELOR OF LIFE SCIENCE*



Submitted by

Perupogu.Kyatharin

Reg. No : OAM202100602817

Hall Ticket No : Y203158051

Period of Long Term Internship : FROM APRIL 5 To JUNE 25

**NAME OF THE INTERNSHIP : ANTIBIOTIC PRODUCTION FROM
BIOMASS**

Under the Guidance of

Mrs. B.Ranjitha

**DEPARTMENT OF MICROBIOLOGY
ST. ANN'S COLLEGE FOR WOMEN
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY
RECOGNIZED BY UGC 2F,NEW DELHI) GORANTLA, GUNTUR-34.
ANDHRA PRADESH.
2022 - 2023.**

**ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
(A STATUTORY BODY OF GOVERNMENT OF ANDHRAPRADESH)**

Official Certification

This is to certify that Perupogu Kyatharin (Name of the student) Reg. No. Y203158051 has completed his/her Internship in pearls lab (Name of the Intern Organization) on Antibiotic production of bio^{mass} (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of Microbiology in the Department of St. Ann's college for women (Name of the College).

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide

B. Ranjitha
Head of Dept. of Microbiology 28/06/23
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

Head of the Department

aj
Principal
PRINCIPAL

St. Ann's College for Women
GORANTLA, GUNTUR-522 034

checked
by

RCW
12/1/23

Page No

ISO 9001 : 2015 Certified Institute

PASTEUR EDUCATION AND RESEARCH TRAINING LABORATORY (PEARL) ... *A Research Training College*

Mangaldas Nagar, 3rd Lane, Rajagopal Nagar, Near Best Price, GUNTUR - A.P.



Certificate of Internship Completion

This is to Certify that Mr./Mrs. *Perupogu Kyatharin*

Reg. No. *Y203158051* of *St. Ann's college for Women* Underwent Internship

in Antibiotic Production from Biomass from *April* to *June*

The overall performance of the Intern during him / her Internship is found to be

Satisfactory

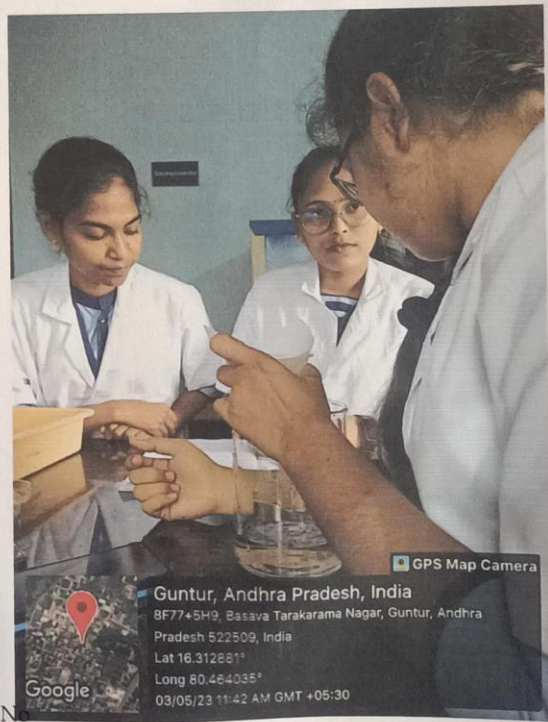
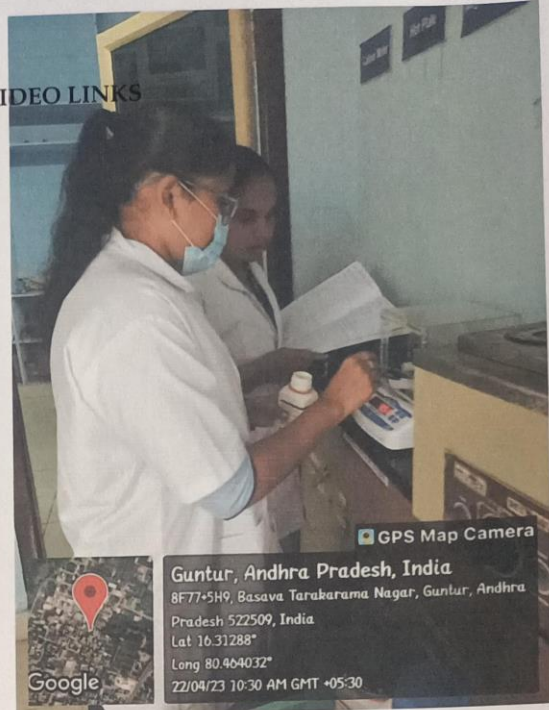


CH. Brown
Director

C.E.O.

PASTEUR EDUCATION AND RESEARCH
TRAINING LABORATORY (PEARL)
D.No: 42-12-779, 3rd Lane Raja Gopal Nagar,
Mangaldas Nagar, Mangalagiri Road,
GUNTUR-522 001. (A.P.)

PHOTOS & VIDEO LINKS



Project based learning is problem based learning.” It is a unique approach to teaching students while developing their critical thinking and problem solving skills through collaboration with a small group of students. Students active involvement in the project of **Cultivation of Oyster Mushrooms** in the Microbiology lab that gave a wide scope for the enhancement of creative and observative skills from the Month **December to February**

S. No	Name of the Students	Registered No.	Topics- Title
1	B. Mallika	Y173158041	Cultivation of white Button Mushroom
2	I. Radhika	Y173158055	Cultivation of white Button Mushroom
3	I. Harika	Y173158056	Cultivation of white Button Mushroom
4	D. Bhagya Rani	Y173158044	Cultivation of Paddy Straw Mushroom
5	G. Koteswari	Y173158049	Cultivation of Paddy Straw Mushroom
6	L. Gayathri	Y173158064	Cultivation of Paddy Straw Mushroom
7	P. Bushra Tabassum	Y173158065	Cultivation of Paddy Straw Mushroom
8	A. Haritha	Y173158038	Cultivation of Oyster Mushroom
9	G. Sowjanya	Y173158048	Cultivation of Oyster Mushroom
10	P. Lavanya	Y173158066	Cultivation of Oyster Mushroom
11	Y. Anila	Y173158070	Cultivation of Oyster Mushroom



Substrate Preparation for Oyster Mushroom Cultivation



Sterilization and Incubation



Soaking process is done by Students for Mushroom Cultivation



Students fill the Substrate and Spawns in a Bags



Ready to Fruiting of Mushrooms





Harvest and Yield the Oyster Mushrooms



A STUDY ON
CULTIVATION OF OYSTER MUSHROOM

A Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree

BACHELOR OF SCIENCE



SUBMITTED BY

P.LAVANYA (III MBC)

REGD.NO.Y173158066

Semester-VI

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

(M.Sc)

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2019-2020

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35.

BACHELOR OF SCIENCE



CERTIFICATE

This is to certify that this study on **"CULTIVATION OF OYSTER MUSHROOM"**, Guntur has been submitted by **P.LAVANYA** In partial fulfillment of the requirements for award of degree of **BACHELOR OF SCIENCE** as for requirement of **ACHARYA NAGRJUNA UNIVERSITY** during the academic years 2019-2020.

B. Ranjitha
Project Director
Mrs.B.Ranjitha
(M.Sc)

P. Award

B. Ranjitha
Head of the Department
Mrs.B.Ranjitha
(M.Sc)

Group Discussion Process



The department of Microbiology has organized a Group discussion activity for II & III BSC BBC Students .This type of Group Discussion is to Evaluate the Speaking ability, Thinking & Listening Skills It help thw Students to gaining depth of Knowledge in their Subject.





POSTER PRESENTATIONS



Poster Presentation on Candidacies



Student Poster Presentation on Hepatitis-B



Participative Learning

PRACTICAL DEMONSTRATION

As a part of Curriculum lab demonstrations are taken regularly In Microbiology Lab Relevant to protocols





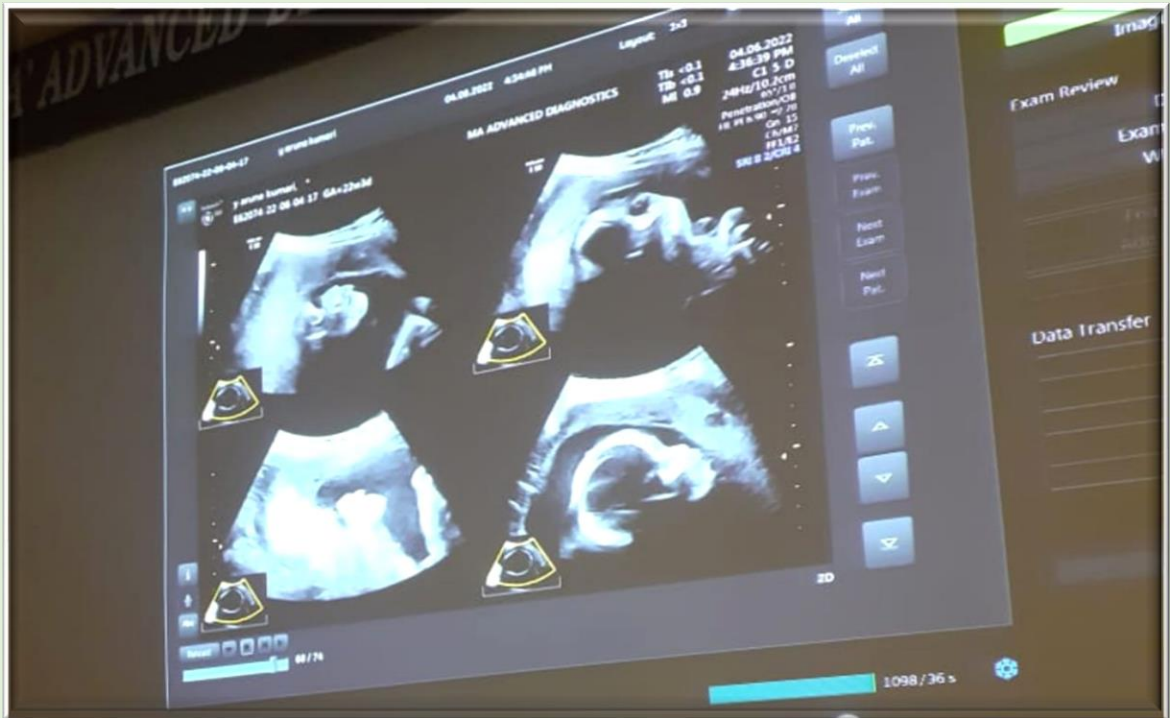


MAA ADVANCED DIAGNOSTIC & RESEARCH CENTER

On **17.07.2022** The Department of Microbiology Students, visit to **MAA Diagnostic Research centre, Guntur. Dr. M. Adi Narayana Rao. M.D.R.D, Founder President of Future India Foundation** has Briefly explained to develop the create Scientific curiosity among the students and has taken lead Responsibility to Create Scientific tempo by IIT to MII 2040 Programme is Ignite Innovative Thinking(IIT) to Make India No.1 Innovations (MII) and also Explained the technical skill Processes of Instruments used in Diagnosis. Laboratory Diagnostic centre is required for providing effective diagnosis of the Disease. To promote Health Education and Medical Services Students lively Experienced 2D &3D Sonography



Lecture by Dr. M. Adi Narayana Rao. M.D.R.D



PEARL LAB VISIT

Lab visit was organized to **Pasteur education & Research training laboratory (PEARL)** Guntur. On **31st March 2022**, III year Microbiology students. They were exposed to practical and Experimental knowledge.

Students had learn about experimental methods in culturing of microorganisms and Antibiotic sensitivity test by applying the different source of microorganism, and aware of various techniques like PCR. ELISA and the process of the Cultivation of Mushroom.



Students learning about Antibiotic Disc Preparation in Microbial inoculation chamber




PASTER EDUCATION AND RESERACH TRAINING LABORATORY (PEARL)
(A Complete Training College)
Mangaladas Nagar, 3rd Lane Rajagopal, Near Best Price, Guntur - 522 001. A.P.

Certificate of Participation

This is to Certify that ~~Mr~~ / Ms. B. Sneha Latha III MBC
from School / College... St. Ann's college for Women, Garantla, Guntur Participated in
" One day Biological tour " held on 31-03-2022

Date:



M. S. S.
Managing Director
C.E.O.
PASTER EDUCATION AND RESEARCH-
TRAINING LABORATORY (PEARL)
D.No: 42-12-719, 3rd Line Raja Gopal Nagar,
Mangaladas Nagar, Mangalapuram Road,
GUNTUR-522 001. (A.P.)

SCIENCE FAIR EXHIBITION

Department of Microbiology Students visit **Science Fair** at Chalapathi College on **24-11-2018**. Many Biological, Chemical and Physical models have been well Exhibited in the Science fair which helped the Students to grasp the Knowledge



Students visit Science Fair at Chalapathi College



Seminar

The **Student Seminars** were held for the II & III BSC-MBC Students. All the final year students of Microbiology took part in Seminars. The overall aim of the seminar series is to help the students to develop their communication abilities. Conduction of Seminars will help the students to their promote skills, positive attitude, enhanced their confidential levels and knowledge seeking

S.No	Programme	Semester	Topic Covered	Name of the Student	No. of Students Attended
1.	B. Sc-MBC	III	Types of Immunity	G. Sushma	26
2.	B. Sc-MBC	III	Lymphoid organs	K. Sri Chandana	26
3.	B. Sc-MBC	II	Carbohydrates	B. Kavya	26
4.	B. Sc-MBC	V	Role of Microbes in Pharma & Therapeutic enzymes	Y. Angel	29
5.	B. Sc-MBC	V	Crowded plate technique	P. Amulya	29
6.	B. Sc-MBC	V	Nosocomial Infections	P. Sarojini	29
7.	B. Sc-MBC	V	Yogurt Production	P. Sindhuri	29



Student Seminar is Given by G.Sushma on Types of Immunity



Seminar is given by B.Kavya about the Carbohydrates



Seminar is given by Y. Angel on Role of Microorganisms on Pharma & Therapeutic Enzymes



Seminar on yogurt Production



On the Occasion of National Science Day The Department of Microbiology **Quiz competition** conducted on **26-02-2023**. The students of Microbiology have participated **intra collegiate competitions** in Our College II,III year Microbiology students were participated above the events & receiving the first prize for the events

Quiz competition winner Prize Distribution



Staff conducted QUIZ





BLOOD GROUPS

Blood Grouping Campaign was conducted by the Department of Microbiology on **30 August 2019**. Our Principal and correspondent Rev. Dr. Sr. Fathima Rani. P inaugurated the programme and appreciated the models prepared by them. Final year microbiology students were actively involved in this blood grouping and tested **Blood group and Haemoglobin %**. Approximately 120 students are tested their Blood groups.



Students performing the Estimation of HB%



Identifying the Blood Group to Principal Sister



Students Explaining about the Types of Blood Groups



Students Explaining about the Blood Group Transfusion

Estimation of Haemoglobin % Percentage

Department of Microbiology were conducted the estimation of Haemoglobin % on 25th April 2022 to know the Haemoglobin % as a part of complete blood cont& routine medical examination to monitor your health disorders.III year students were actively involved in this test around 40 Students are check theisHemoglobin percentage %

Students performing the Blood Grouping & Hb%



Microbiology students testing to know their HB% B.Com Students



PIONEERS OF MICROBIOLOGY

The study of microorganism is called microbiology a subject that began with Discoveries, invention and contribution of scientist. Scientist have also exploited their knowledge of microbes The Department of microbiology Students was conducted **Pioneers of Microbiology** with photographs & models was held on **30 August 2019**



Students Explaining about the Pioneers of Microbiology



POWER POINT PRESENTATION

The Department of Microbiology Conducted PPT Presentations. Power point is an effective tool to present student ideas and goals in the classroom



PPT Presentation on Drug Resistance in Bacteria



CERTIFICATE COURSE

The Department of Microbiology propose to enroll Certificate course on **MEDICAL CODING**. This programme is for the students of II-year BSC-MBC Students of our college commence from **18th March to 23rd March 2022**. To ensure accurate medical billing and documenting medical record. To provide students with the opportunity to learn about the medical field and the coding process





Problem Solving



III BSC-MBS Students prepared Mini projects. it can help students to boost skills and widen students horizon of thinking

S. No	Class/Group	Topic	No.of Students submitted	Name of the Concerned faculty
1.	III-MBC	Impact of Drug Resistance & Sensitivity	05	Mrs. B. Ranjitha
2.	III-MBC	Collection of Clinical Samples	05	Mrs. B. Ranjitha
3.	III-MBC	Fungal Disease- Candidiasis	05	Mrs. B. Ranjitha
4.	III-MBC	Protozoal disease- Malaria	05	Mrs. B. Ranjitha
.5.	III-MBC	Bacterial Disease - Typhoid	05	Mrs. B. Ranjitha
6.	III-MBC	Viral Disease - HIV	05	Mrs. B. Ranjitha

A STUDY ON

Impact of Drug Resistance & Sensitivity

**A Mini Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree
BACHELOR OF SCIENCE**



SUBMITTED BY

N.Priyanka (III MBC)

Regd.NO.Y203158046

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

M.Sc

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2022-2023

A STUDY ON
COLLECTION OF CLINICAL SAMPLES

A Mini Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree

BACHELOR OF SCIENCE



SUBMITTED BY

P.Pressy (III MBC)

Regd.NO.Y203158049

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

M.Sc

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2022-2023

A STUDY ON
Candidiasis-Fungal Disease

**A Mini Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree
BACHELOR OF SCIENCE**



SUBMITTED BY

K.Lakshmi Priya (III MBC)

Regd.NO.Y203158039

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

M.Sc

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2022-2023

A STUDY ON
Protozoal Disease-Malaria
A Mini Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree
BACHELOR OF SCIENCE



SUBMITTED BY

Sk.Shahina (III MBC)

Regd.NO.Y203158056

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

M.Sc

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2022-2023

A STUDY ON
Typhoid-Bacterial Disease

**A Mini Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree
BACHELOR OF SCIENCE**



SUBMITTED BY

S.Sandhya (III MBC)

Regd.NO.Y203158058

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

M.Sc

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2022-2023

A STUDY ON

Viral Disease-HIV

**A Mini Project Report Submitted In Partial Fulfillment of the
requirement for the Award of Degree**

BACHELOR OF SCIENCE



SUBMITTED BY

N.Kavya Sri (III MBC)

Regd.NO.Y203158047

UNDER THE GUIDANCE OF

Mrs.B.RANJITHA

M.Sc

DEPARTMENT OF MICROBIOLOGY

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35

ANDHRA PRADESH

2022-2023



The Department of Microbiology given the student Assignments. it provides opportunity for students to learn, practice & Demonstrate they have achieved the learning goals

ABSTRACT 2018-2019 to 2022-2023

S. No	Class/Group	Semester	Topic	No. of Students Submitted
2022-2023				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	29
2	II -MBC	III	Molecular Genetics and Molecular Biology	29
3	III -MBC	V	Food, Agricultural & Environmental Microbiology Management of Human Microbial Diseases & Diagnosis	30
4	I -MBC	II	Microbial Biochemistry & Metabolism	29
5	II -MBC	IV	Immunology & Medical Microbiology	29
2021-2022				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	30
2	II -MBC	III	Medical Microbiology & Immunology	30

3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	21
4	I -MBC	II	Microbial Biochemistry & Metabolism	29
5	II -MBC	IV	Industrial Microbiology, Molecular Biology & Microbial Geneics	30
6	III -MBC	VI	Microbial Biotechnology Biofertilizers & Biopesticides	21
2020-2021				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	30
2	II -MBC	III	Molecular Genetics and Molecular Biology	23
3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	21
4	I -MBC	II	Microbial Physiology & Biochemistry	30
5	II -MBC	IV	Immunology & Medical Microbiology	23
6	III -MBC	VI	Microbial Biotechnology Microbes Sustainable in Agriculture	21
2019-2020				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	26
2	II -MBC	III	Molecular Genetics and Molecular Biology	21
3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	27
4	I -MBC	II	Microbial Biochemistry & Metabolism	26
5	II -MBC	IV	Immunology & Medical Microbiology	21
6	III -MBC	VI	Microbial Biotechnology	27
2018-2019				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	22
2	II -MBC	III	Molecular Genetics and Molecular Biology	29
3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	31
4	I -MBC	II	Microbial Biochemistry & Metabolism	21

5	II -MBC	IV	Immunology & Medical Microbiology	29
6	III -MBC	VI	Microbial Biotechnology	31

The Department of Microbiology given the student Assignments. it provides opportunity for students to learn, practice & demonstrate they have achieved the learning goals

ABSTRACT 2018-2019 to 2022-2023

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2021-2022				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	30
2	II -MBC	III	Medical Microbiology & Immunology	30
3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	21
4	I -MBC	II	Microbial Biochemistry & Metabolism	29
5	II -MBC	IV	Industrial Microbiology, Molecular Biology & Microbial Geneics	30
6	III -MBC	VI	Microbial Biotechnology Biofertilizers & Biopesticides	21
2020-2021				
1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	30
2	II -MBC	III	Molecular Genetics and Molecular Biology	23

3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	21
4	I -MBC	II	Microbial Physiology & Biochemistry	30
5	II -MBC	IV	Immunology & Medical Microbiology	23
6	III -MBC	VI	Microbial Biotechnology Microbes Sustainable in Agriculture	21

2019-2020

1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	26
2	II -MBC	III	Molecular Genetics and Molecular Biology	21
3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	27
4	I -MBC	II	Microbial Biochemistry & Metabolism	26
5	II -MBC	IV	Immunology & Medical Microbiology	21
6	III -MBC	VI	Microbial Biotechnology	27

2018-2019

1	I -MBC	I	Introduction to Microbiology and Microbial Diversity	22
2	II -MBC	III	Molecular Genetics and Molecular Biology	29
3	III -MBC	V	Environmental & Agricultural Microbiology, Food & Industrial Microbiology	31
4	I -MBC	II	Microbial Biochemistry & Metabolism	21
5	II -MBC	IV	Immunology & Medical Microbiology	29
6	III -MBC	VI	Microbial Biotechnology	31

ST.ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR

MICROBIOLOGY ASSIGNMENT

TOPIC: TUBERCULOSIS

SUBMITTED TO:

RANJITHAMAM

HOD.OF MICROBIOLOGY

SUBMITTED BY:

K.ROJI PAVANI

ROLLNO: **Y223158044**

**ST.ANN'S COLLEGE FOR WOMEN
GORANTLA, GUNTUR.**

**MICROBIOLOGY ASSIGNMENT
TOPIC :- ENZYME KINETICS & MICHAELIS
MENTEN KINETICS**

**SUBMITTED TO :
Mrs.B RANJITHA Mam
HOD OF MICROBIOLOGY**



**SUBMITTED BY:
U SRILAKSHMI PRASANNA
1st MBC (1st SEM)
Y223158056**

ST.ANNS COLLEGE FOR WOMEN

GORANTLA (GUNTUR) ANDHRA PRADESH

DEPARTMENT OF MICROBIOLOGY

TOPIC: PRINCIPALS OF FOOD PRESERVATION
- PHYSICAL AND CHEMICAL METHODS.

SEMESTER-5
PAPER -6A

SUBMITTED TO:
Mrs.B.RANJITHA(M.SC)
HOD OF MICROBIOLOGY



SUBMITTED BY:
D. VIJAYA MADHURI
REG NO:Y203158037
3rd YEAR MBC(5th sem)

St. Anns degree college
For Women
Gorantla, Guntur.

Department of Microbiology
Semester - II

Topic :- Glycolysis, HMP Pathway.

Submitted to :-

B. Ranjitha mam.

Submitted by :-

P. Rama Devi

I MBC

Roll No :- 20

(S)

St. ANNS college for women
Gorantla, Guntur
Microbiology Assignment
Semester-IV

Topic: Typhoid

Submitted to

B. Ranjitha mam
HOD of microbiology

5

Submitted by

N. Shaliny
II M/BC

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