



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 Biotechnology



STUDENT CENTRIC METHODS

Experiential Learning	Participative Learning	Problem Solving
<ul style="list-style-type: none"> - Work shop - Lab sessions - Project & Internship - Community services - Group Discussions - Poster presentations 	<ul style="list-style-type: none"> - Practical Demonstration - Industrial visits - Exhibitions - Student seminars - Competitions-Quiz - Guest Lecturers 	<ul style="list-style-type: none"> - Mini Projects - Campus recruitment training programmes - Assignments - Question bank preparation

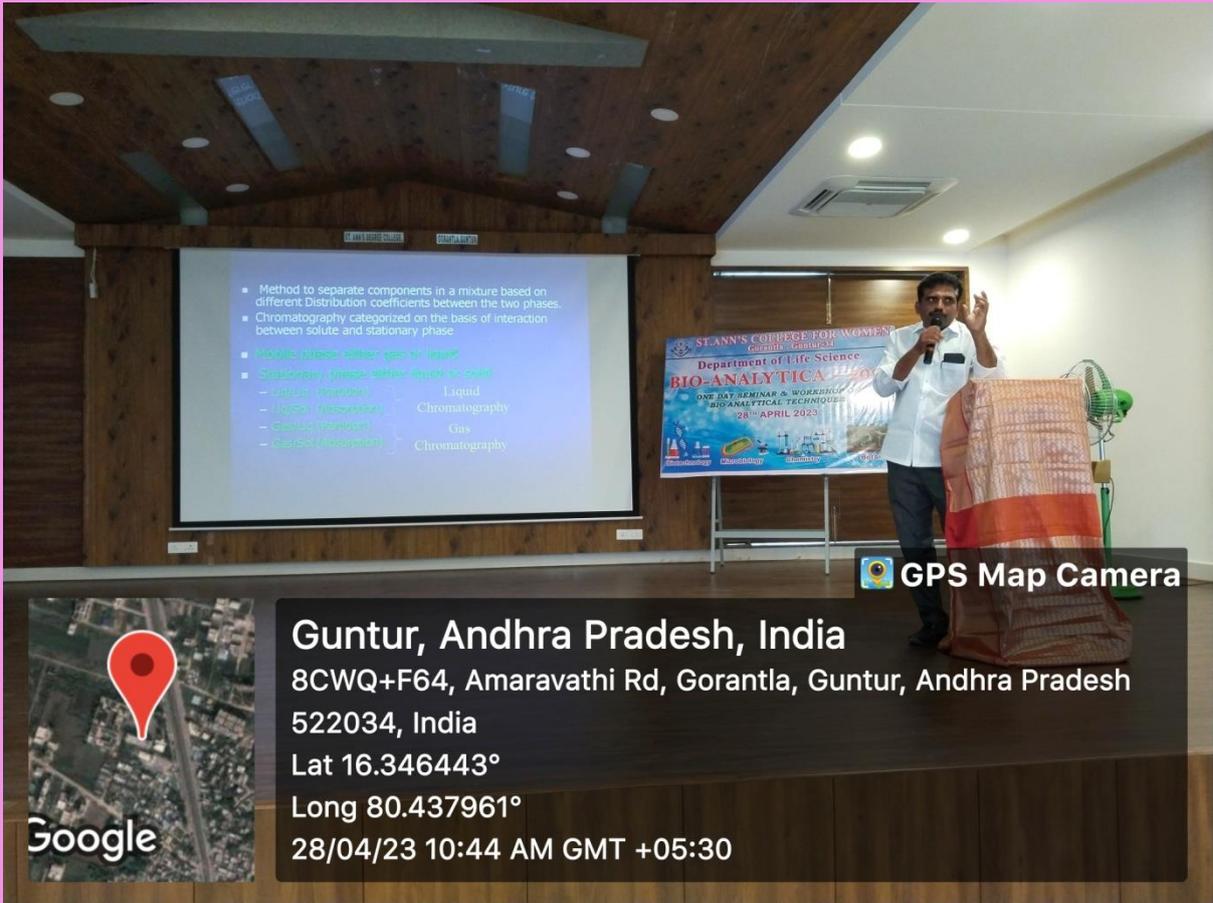
Experiential Learning

workshops

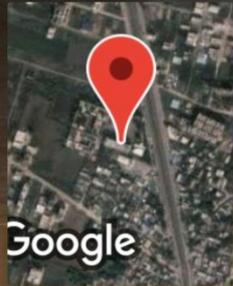
On 28th April 2023, Department of Biotechnology had organized **BIOANALYTICA -2023** with the Collaboration of Pasteur Education and research Training Laboratory (PEARL) Guntur. Dr. M.Guravaiah, Asst. Professor, HOD, Dept. of Bio-Technology & Microbiology, JKC College Guntur is the Resource person of the Programme, had addressed the gathering about the practice in operating systems of analytical techniques, participation certificate had given to all the Participants around 120 students from various colleges were participated in this Workshop



Biotechnology Department arranged the Workshop and Seminar on Bio-Analytica



GPS Map Camera



Google

Guntur, Andhra Pradesh, India

8CWQ+F64, Amaravathi Rd, Gorantla, Guntur, Andhra Pradesh

522034, India

Lat 16.346443°

Long 80.437961°

28/04/23 10:44 AM GMT +05:30

Delivering Seminar by Dr. M. Guravaiah, Asst. Professor, HOD, Dept. of Biotechnology & Microbiology, JKC College Guntur



GPS Map Camera



Google

Guntur, Andhra Pradesh, India

8CWQ+F64, Amaravathi Rd, Gorantla, Guntur, Andhra Pradesh

522034, India

Lat 16.346418°

Long 80.437766°

28/04/23 10:46 AM GMT +05:30



Workshop - Bioanalytical Technique



ABOUT THE COLLEGE

St. Ann's College for Women was established in 1997 to uplift the rural women, impart intellect & spiritual integrity into the young lives & serve them for overall development. It is affiliated to Acharya Nagarjuna University & ever since its inception it has been emerging as a universal cosmopolitan & prestigious college in Guntur.

We are glad to inform you that our college celebrated Silver Jubilee (1997 - 2022) during the academic year 2021-2022. The college upholds the cherished values of education like discipline & devotion among the students & translates its motto "EDUCATE ENRICH EMPOWER".

About the life Science Departments

The Life Science Departments was a spacious lab with required equipment's and instruments. The main objective of the departments is to help the students in teaching learning process and inculcate the spirit & passion of research among the students.

BIO ANALYTICA-2023

ONE DAY SEMINAR & WORKSHOP ON BIO-ANALYTICAL TECHNIQUES

Date : 28.04.2023



Organized by Department of Life Sciences



In collaboration with PEARL RESEARCH LAB

ST.ANN'S COLLEGE FOR WOMEN
Gorantla , Guntur - 522 034, A.P.

REGISTRATION FORM

One day Seminar & Workshop on Bio-analytical techniques on 28.04.2023

From: 09:00 AM to 01:00 PM

Name:

Class & Group :

College/Institution:

Address:

Contact Number:

E-Mail ID:



ఆంధ్రవేణు

సెయింట్ ఆన్స్ ఉమెన్స్ డిగ్రీ కళాశాలలో వర్క్ షాప్

గుంటూరు అర్బన్, ఏప్రిల్ 28 (వృద్ధవార్త) : స్థానిక గోరంట్లలోని సెయింట్ ఆన్స్ మహిళా డిగ్రీ కళాశాలలోని లైఫ్ సైన్సెస్ విభాగం ఆధ్వర్యంలో బయో టెక్నాలజీ సబ్జెక్టుకు సంబంధించి బయో ఎన్ లైటింగ్ అనే అంశంపై శుక్రవారం ఒక్కరోజు వర్క్ షాప్ నిర్వహించారు. జెకెసి కళాశాల బయో టెక్నాలజీ విభాగాధిపతి ఎం.గురవయ్య రిసోర్స్ పర్సన్ గా విచ్చేసి బయో టెక్నాలజీకి సంబంధించిన నూతన ఆవిష్కరణలు, బయో ఎనాలిటికల్ అంశాలపై విద్యార్థులకు విశ్లేషణాత్మకంగా వివరించారు. కళాశాల ప్రెసిడెంట్ అండ్ కరస్పాండెంట్ రెవరెండ్ డాక్టర్, సిస్టర్ ఫాతిమా రాజీపి సెమినార్లో పాల్గొన్నారు. లైఫ్ సైన్సెస్ విభాగ అధ్యాపకులు డి. సైమన్, డి.జాయుగ్లీ, కే.వనజ జి.ఆనిత, కే.విద్యాధరి, కే.రంజిత తదితరులు పాల్గొన్నారు. ఉమ్మడి



ఆవిష్కరణలను తిలకిస్తున్న ప్రెసిడెంట్ ఫాతిమా రాజీ

గుంటూరు జిల్లాలోని నరసరావుపేట, బాపట్ల, తెనాలి, అమరావతి గుంటూరు తదితర ప్రాంతాల్లోని పలు కళాశాల సంబంధించిన లైఫ్ సైన్సెస్ డివిజన్ కోర్సులకు సంబంధించిన వంద మందికి పైగా విద్యార్థులు ఈ వర్క్ షాప్ లో పాల్గొన్నట్లు నిర్వాహకులు తెలిపారు.

విశాలాంధ్ర

'సెయింట్ ఆన్స్'లో బయో ఎనాలిటికల్ అంశంపై వర్క్ షాప్

విశాలాంధ్ర-గుంటూరు కార్పొరేషన్: స్థానిక గోరంట్లలోని సెయింట్ ఆన్స్ మహిళా డిగ్రీ కళాశాలలో ఆ కళాశాల లైఫ్ సైన్సెస్ విభాగం ఆధ్వర్యంలో బయో టెక్నాలజీ సబ్జెక్టుకు సంబంధించి 'బయో ఎనాలిటికల్' అనే అంశంపై శుక్రవారం వర్క్ షాప్ జరిగింది. జేకెసి కళాశాల బయో టెక్నాలజీ విభాగాధిపతి ఎం.గురవయ్య రిసోర్స్ పర్సన్ గా విచ్చేసి బయో టెక్నాలజీకి సంబంధించిన నూతన ఆవిష్కరణలు, బయో ఎనాలిటికల్ అంశాలపై విద్యార్థులకు విశ్లేషణాత్మకంగా వివరించారు. కళాశాల ప్రెసిడెంట్ అండ్ కరస్పాండెంట్ రెవరెండ్ డాక్టర్, సిస్టర్ ఫాతిమా రాజీ సెమినార్లో పాల్గొన్నారు. లైఫ్ సైన్సెస్ విభాగ అధ్యాపకులు డి. సైమన్, డి.జోయగ్లీ, కె.వనజ, జి.ఆనిత, కె.విద్యాధరి, కె.రంజిత తదితరులు పాల్గొన్నారు. ఉమ్మడి గుంటూరు జిల్లాలోని గుంటూరు, నరసరావుపేట, బాపట్ల, తెనాలి, అమరావతి తదితర ప్రాంతాల్లోని పలు కళాశాలలకు సంబంధించిన లైఫ్ సైన్సెస్ డివిజన్ కోర్సులకు సంబంధించిన వంద మందికి పైగా విద్యార్థులు ఈ వర్క్ షాప్ లో పాల్గొన్నట్లు నిర్వాహకులు తెలిపారు.





ST.ANN'S COLLEGE FOR WOMEN

Gorantla, Guntur - 522 034, A.P.

BIO-ANALYTICA - 2023



ONE DAY SEMINAR & WORKSHOP ON BIO-ANALYTICAL TECHNIQUES

28TH APRIL 2023

Organized by

Department of Life Sciences

CERTIFICATE

This is certified that Ms / Mrs M.GURU MALLIKA of B.Sc-BIOTECHNOLOGY

has participated in the One Day Seminar & workshop on Bio- Analytical Techniques "BIO-ANALYTICA - 2023" held at

Department of Life Sciences, St. Ann's College For Women, Gorantla, Guntur in collaboration with Pearl Research Lab on

28th April, 2023.



PRINCIPAL

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

Bio spark 2k20 is an annual department fest organized by the Department of Biotechnology on **30th January 2020**. This Programme is conducted on various current issue of protecting the earth and suggested them to become a good Scientist. The biotechnology students participated in different events named as **PPT Presentations on DNA, Model Presentations on immunology, Poster presentations, Technical quiz and non-technical events.**





Model Presentations





On 9th February 2019, Department of Biotechnology organized a “Fantastic Food Fest” in the college premises to bring awareness on healthy nutrition . The event was inaugurated by our Principle and Correspondent Rev. Dr. Sr. Fathima Rani. P addressed the students by suggesting them how to stay health and how to maintain the healthy diet in everyday life. Our biotechnology students presented the all varieties of dry fruits and fruits and their nutritive values.



Explaining the Nutrients value of Different Fruits

Staff & Students are Participated in Food Fest





LAB SESSIONS

- Learn to use scientific equipment
- To develop the understanding of procedure
- To develop an ability to handle the apparatus carefully.





INTERNSHIP

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 know the ways of transforming the society through systematic programme implementation.

Second Internship (after 2nd year examinations):

Assess interests and abilities in their field of study.

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
LONG TERM INTERNSHIP PROJECT
*Submitted in accordance with the requirement for
the Degree of BACHELOR OF LIFE SCIENCE*



Submitted by

Guntakala. Supritha

Reg. No : OAM202100655441

Hall Ticket No : Y203158015

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

NAME OF THE INTERNSHIP : Green chemistry and
Nanotechnology

Under the Guidance of

Mrs. k . Vanaja mam

DEPARTMENT OF BIOTECHNOLOGY
ST. ANN'S COLLEGE FOR WOMEN
(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY RECOGNIZED BY UGC
2F, NEW DELHI) GORANTLA, GUNTUR-34.
ANDHRA PRADESH.
2020 - 2021.

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

Official Certification

This is to certify that G. Supriitha (Name of the student) Reg. No. Y203158015 has completed his/her Internship in Pearls Lab (Name of the Intern Organization) on Green Chemistry and Nanomaterials (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of Biotechnology 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 K. Vasuja 28-6-23
Head of Dept. of Bio Technology
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

Head of the Department

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

Verified by
[Signature]
12/1/23

Short Term Internship

PROGRAM BOOK FOR SHORT TERM INTERNSHIP

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



Submitted by
KOPALLE.ASHA JYOTHI

Reg. No: OAM2022101324002 Hall Ticket No: Y213158012

PERIOD OF INTERNSHIP : FROM : MAY TO : JULY

NAME OF THE ORGANIZATION : SALESFORCE DEVELOPER

Under the Guidance of
Mrs. K. Vanaja.

DEPARTMENT OF BIOTECHNOLOGY

ST. ANN'S COLLEGE FOR WOMEN

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY) 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 K. Ashajyothi (Name of the student) Reg. No. 4213158012 has completed his/her Internship in Online Smart Intern (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 Biototechnology in the Department of St. Ann's College for Women (Name of the College).

This is accepted for evaluation.

K. Ashajyothi 28/8/23
(Signatory with Date and Seal)

Endorsements

Mrs. K. Vanaja
Faculty Guide

Head of the Department

K. Vanaja
Head of Dept. of Bio Technology
St. Ann's College for Women
GORANTLA, GUNTUR-522034.

Principal

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

Community Service Project

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



Submitted by

KUKATLAPALLI.JHANSI

Reg. No : **OAM2022101485983**

Hall Ticket No : **Y213158013**

PERIOD OF CSP : From October To December

NAME OF THE CSP : **B L O O D G R O U P S**

Under the Guidance of

Mrs.K. VANAJA

Department of BIOTECHNOLOGY

ST. ANN'S COLLEGE FOR WOMEN

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY)

GORANTLA , GUNTUR-34.

ANDHRA PRADESH.

2021 - 2022.

ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A STATUTORY BODY OF GOVERNMENT OF ANDHRAPRADESH).



GROUP DISCUSSIONS

The department of Biotechnology has organized a group discussion activity for IIBSC BBC Students .This type of Group Discussion are used to develop oral communication, interact with each other for exchanging ideas .All the students of the final year BSc-BBC of 26 students were attended.





Students discussing about various topics in Biotechnology



PARTICIPATIVE LEARNING

PRACTICAL DEMONSTRATION

As a part of Curriculum Lab Demonstrations are taken regularly In Biotechnology Lab related to Prescribed Topics.







The Department of Biotechnology arranged a lab visit to **Pasteur Education and Research training laboratory (PEARL)** Guntur on **31st March 2022**. As a part of curriculum III year Biotechnology Students viewed the lab.

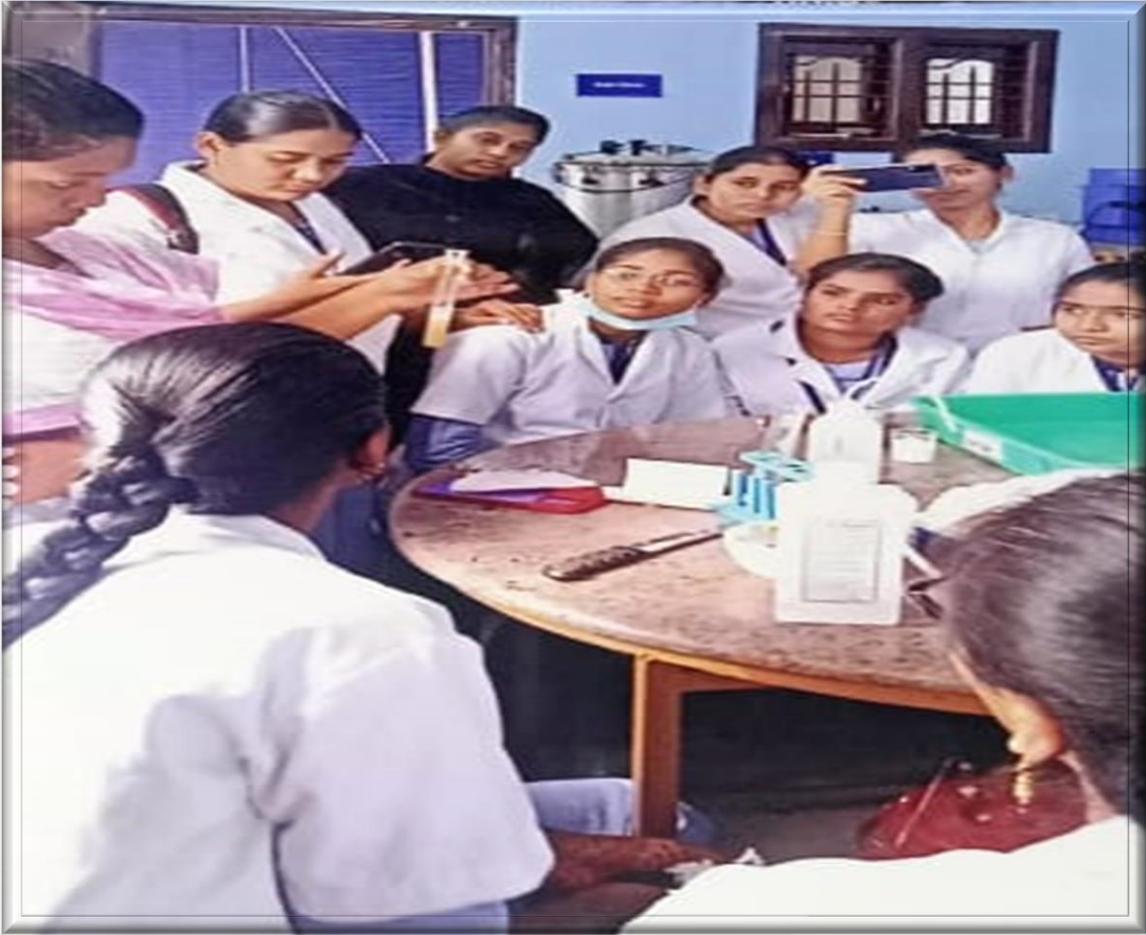
They were exposed to practical and experimental knowledge of different area of Biotechnology. Students got aware of various techniques like PCR, ELISA, Blotting , DNA Isolation, Separation of DNA by Agarose gel Electrophoresis etc. Students visualized the live demonstrations on plant tissue culture technique and isolation of DNA from onion etc. students got awareness of future prospects in Biotechnology.





PEARL Lab Visit





Students observed Extraction of DNA





Briefly explained to develop the create Scientific curiosity among the students







'MA' BRIGHT EDUCATIONAL FOUNDATION
STATE OF THE ART INSTITUTION
Recog. by Govt. of A.P.

'MA' BRIGHT EDUCATIONAL FOUNDATION
STATE OF THE ART INSTITUTION

1st Silent MRI
1.5 T
16 Channel



1st Low Radiation CT Scan
WHOLE BODY
32 MS CT



1st Advanced 5D ULTRASOUND Scan



"మా" అడ్వాన్స్డ్ ల్యాబ్ ప్రత్యేకతలు
FULLY AUTOMATIC

-  **Computer Assisted Semen Analysis (CASA).**
-  **Genexpert for TB detection & Rif Resistance in 2 hours.**
-  **Hormones, Tumor Markers.**
-  **Vitamin D3, B12.**
-  **అన్ని రకములైన రక్త పరీక్షలు.**

"మా" ప్రత్యేకతలు
అత్యున్నత వ్యాధి నిర్ధారణ నిపుణుల వైద్య బృందం.
25 సం.లకు పైగా అనుభవం గల వ్యాధి నిర్ధారణ డాక్టర్ల పర్యవేక్షణ. అత్యధునిక టెక్నాలజీ.
Greater patient care and comfort for early diagnosis.
అన్ని వైద్య పరీక్షల సదుపాయం.
బహురమూలకు సంప్రదించండి : యన్. వేదవతి, 9052244466.

'MA' Advanced Diagnostic & Research Centre
H. Office : Bose Bomma Center, Kothapet, GUNTUR. Ph : 0863-2328333, 2256333, 2262655,
NRT Branch : Opp. Masjid, Guntur Road, Narasaraopet, Ph : 94402 28945

IGNITE INNOVATIVE THINKING
To Help Humanity...



Organized by :

FUTURE INDIA FOUNDATION
For a Quality Life



Certificate

This is to certify that

Mr. / Miss**M. PAVITHRA**.....

St. ANN'S COLLEGE FOR WOMEN

has participated in "IIT & RTMSTE and CNI - 2022" on 17th July, 2022
at 'MA' Advanced Diagnostic & Research Centre.

Dr. ADINARAYANA RAO
M.B.B.S., M.D.R.D.
Founder President
Future India Foundation

Dr. REKHA
M.B.B.S., D.O., D.M.R.
Secretary
Future India Foundation

FIELD VISIT

Field Visit on “Apiculture”

As a part of Curriculum Field visit had arranged to Apiculture at Krishi Vigyan Kendra ,Lam ,Guntur. On 23-01-2023. Dr. Anil Kumar who is working as a director of KVK of Lam has explained Beekeeping Process. Beekeeping is one of the best Examples for building Entrepreneurship by employment, creation, Resources utilization, income generation. In this Programme 26 – III BBC students were participated.





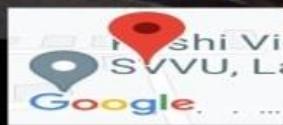
9C7M+3VR, Lam Farm Rd, Guntur,
Andhra Pradesh 522034, India
23 Jan 2023 03:48 pm



9C7P+6CM, Amaravathi Rd, Lam,
Andhra Pradesh 522034, India
23 Jan 2023 03:46 pm



2023/1/23 15:41
9C7P+6CM, Amaravathi Rd, Lam,
Andhra Pradesh 522034, India
23 Jan 2023 03:41 pm



2023/1/23 15:42
9C7P+6CM, Amaravathi Rd, Lam,
Andhra Pradesh 522034, India
23 Jan 2023 03:42 pm



SCIENCE EXPO-2023

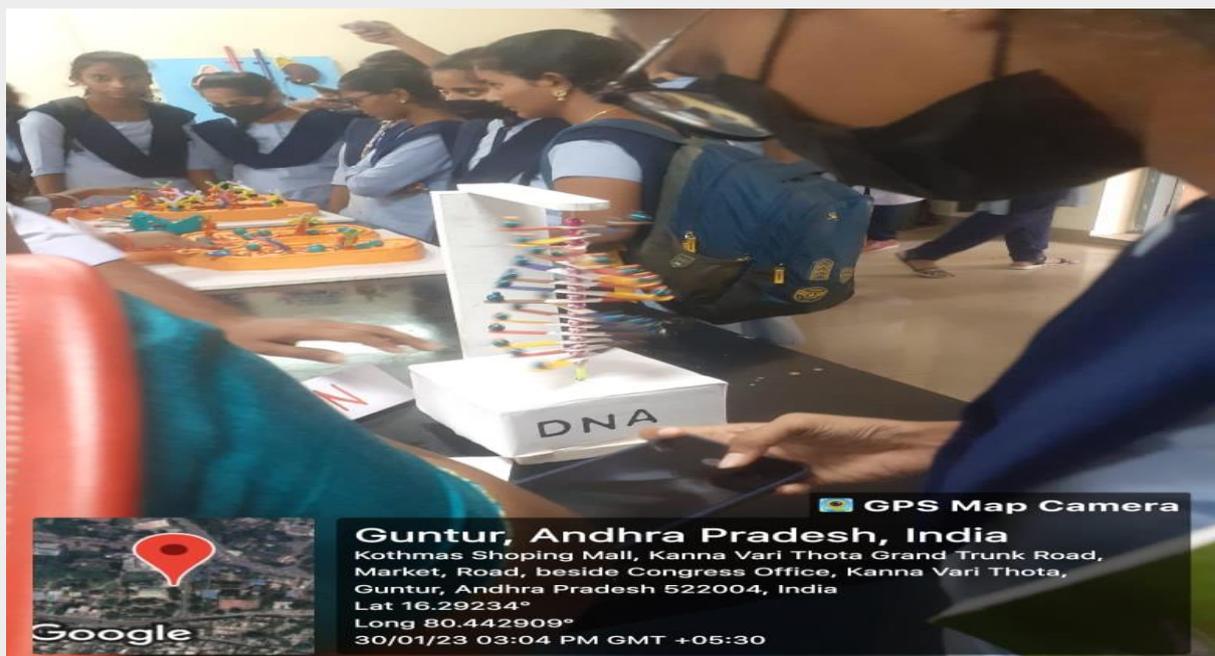
On 30th January 2023 students, faculty of Department of Biotechnology were participated in **Science Expo** at Hindu College, Guntur.



Students and Faculty Visit the Science Expo at Hindu College, Guntur



Students are observed Different Models

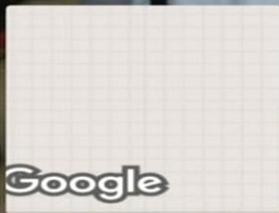


Students observed DNA models

ANU ACADEMIC EXHIBITION

On 16th March 2023 students of Biotechnology were participated in ANU ACADEMIC EXHIBITION.





Guntur, Andhra Pradesh, India
8CPQ+RHR, Gorantla, Guntur, Andhra Pradesh
522034, India
Lat 16.337185°
Long 80.438696°
16/03/23 11:49 AM GMT +05:30

GPS Map Camera



Namburu, Andhra Pradesh, India
Electronics and Communication Engineering Building, Acharya
Nagarjuna University, Namburu, Andhra Pradesh 522510, India
Lat 16.373274°
Long 80.526169°
16/03/23 12:18 PM GMT +05:30

GPS Map Camera

SCIENCE FAIR

It is so important to motivate the students with Innovative scientific ideas. The science fair increases the skills of the presentation. Our students visited **Science fair** at Chalapathi College on **24th November 2018**. Many biological, chemical and physical models have been well-exhibited in the Science fair which helped the students to grasp the knowledge.



Biotechnology Students visited to Chalapathi College Science Exhibition



Students are observed Extraction Methods

STUDENT



As a part of intra collegiate events the final year students participated in **Seminar Presentations** in Biotechnology subject. To inculcate the Subject Skills & Competitive Spirit among the students Department of Biotechnology conducted internal seminars on different branches of Biotechnology





- To inculcate the subject skills & competitive spirit among the students
Department of Biotechnology conducted internal seminars on different
branches of Biotechnology





Students present a seminar on cell division



SPECIAL



The Departments of Biotechnology had Arranged a Extension Lecture on **21st August 2018**. On the Topic **“Prospects & Challenges in Biotechnology”** by Mrs. K. Geetanjali HOD of Biotechnology, Government college for women, Guntur. This type of Extension Lecture is opportunity for students to learn to explore particular subject with specific way





Mrs. K. Geetanjali delivered a lecture on the Topic Prospects & Challenges in Biotechnology



CERTIFICATE COURSES

The Department of Biotechnology Conducted Certificate course on **MEDICAL CODING**. This programme is for the students of III-year BSC-BBC Students of our college commence from **June 19th to 24th, 2023**. This course prepare students for carrier coding with the necessary skills and knowledge. To know the field of Medical coding its importance & its role in Health care Management. To provide training in Medical terminology and coding systems. To Learn about various coding systems





BLOOD GROUPING CAMP

Accurate Grouping of Blood is very important for everyone. When it comes to having a blood transformation. By this purpose the department of biotechnology was organized **Blood grouping camp** on **25th April 2022**. Almost 60 students tested to know their blood grouping.



KNOW YOUR BLOOD TYPE

The Department of Biotechnology had organized **Blood grouping camp and Hb%** on **30th August 2019**. Our principal and correspondent Rev. Dr.Sr. Fathima Rani. P inaugurated the programme. Biotechnology students were actively involved in this camp. Many of the students of all branches got to know their blood groups and their Hb%.

Students performing the Blood Groping & HB %



INVENTIONS AND CONTRIBUTIONS OF SCIENTISTS

Biotechnology is a branch of Biology it contributed towards several branches of science subjects that began with inventions and contributions of scientists. Scientists study is the world around us using the scientific methods they perform experiments to find out how nature works. The Department of Biotechnology had organized **Contributions of Scientist** and their inventions were explained with Photographs of Eminent Scientists in the field of Biology held on **30th August 2019**.



Students are explained Contributions of Scientists& their Inventions

STUDENTS EXPAINED ABOUT CONTRIBUTION OF SCIENTISTS



Problem solving



In Response to the Invitation given by Acharya N.G.Ranga Agricultural University College of Community Science, Guntur. In this connection Quiz & Elocution competitions are conducted. The Students of Biotechnology have participated **Inter & Intra collegiate competitions on 26-02-2021**

National Science Day Celebrations of Acharya N. G. Ranga Agricultural University of Community Sciences, Lam, Guntur



Prize Distribution



Staff Conducting Quiz Programme



Quiz Competition





Mini Projects is to let the Study apply the programming knowledge in Real World Situations so that Every Year Mini Projects were Assigned to the Students on different Topics

ABSTRACT

2018-2019 to 2022-2023

S.No	Class /Group	Topic	No.of Students Submitted	Name of the Concerned Faculty
1	III -BBC	A Study on APICULTURE	26	Mrs.K.Vanaja
2	III -BBC	A Study on COVID -19	24	Mrs.K.Vanaja
3	III -BBC	A Study on DIABETES	29	Mrs.K.Vanaja
4	III -BBC	A Study on HIV	29	Mrs.K.Vanaja

A STUDY ON APICULTURE

*Mini project Submitted in the partial fulfilment for the award of
degree of*

BACHELOR OF SCIENCE

Submitted by

III BBC

2022-2023

Under the Guidance of

Mrs. K. VANAJA

M.Sc., B.Ed.,



DEPARTMENT OF BIOTECHNOLOGY

ST. ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35.

ANDHRA PRADESH.

2022-2023.

A STUDY ON COVID - 19

*Mini project report Submitted in partial fulfilment for the award of
degree of*

BACHELOR OF SCIENCE

Submitted by

III BBC

2021-2022

Under the Guidance of

Mrs. K. VANAJA

M.Sc., B.Ed.,



DEPARTMENT OF BIOTECHNOLOGY

ST. ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35.

ANDHRA PRADESH.

2021-2022.

A STUDY ON DIABETES

*Mini project report Submitted in partial fulfilment for the award of
degree of*

BACHELOR OF SCIENCE

Submitted by

III BBC

2019-2020

Under the Guidance of

Mrs. K. VANAJA

M.Sc., B.Ed.,



DEPARTMENT OF BIOTECHNOLOGY

ST. ANN'S COLLEGE FOR WOMEN

GORANTLA, GUNTUR-35.

ANDHRA PRADESH.

2019-2020

A STUDY ON HIV

*Mini project report Submitted in partial fulfilment for the award of
degree of*

BACHELOR OF SCIENCE

Submitted by

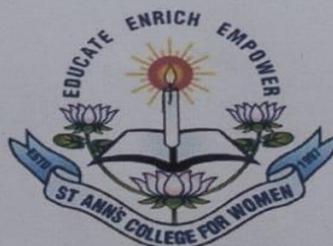
III BBC

2018-2019

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Mrs. K. VANAJA

M.Sc., B.Ed.,



DEPARTMENT OF BIOTECHNOLOGY

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GORANTLA, GUNTUR-35.

ANDHRA PRADESH.

2018-2019



For the Internal Assessment Each Student is allotted with Assignments on Relevant Topics were submit to the Concerned Lecturer .It provides opportunity for the students to learn practice and develop Independent Learning & Communication Skills

S.No	Class/Group	Semester	Topic	No.of Students Submitted
2022-2023				
1	I -BBC	I	Biomolecules & Analytical Technques	28
2	II -BBC	III	Immunology & r- DNA Technology	23
3	III -BBC	V	Apiculture & Pearl Culture	26
4	I -BBC	II	Microbiology, Cell & Molecular Biology	28
5	II -BBC	IV	Plant & Animal Biotechnology, Enviornmental Biotechnology	22
2021-2022				
1	I -BBC	I	Biomolecules & Analytical Technques	23
2	II -BBC	III	Immunology & r- DNA Technology	28

3	III -BBC	V	Molecular Biology & r- DNA technology	24
4	I -BBC	II	Microbiology, Cell & Molecular Biology	23
5	II -BBC	IV	Plant & Animal Biotechnology, Environmental Biotechnology	26
6	III -BBC	VI	Plant & Animal Biotechnology	24
2020-2021				
1	I -BBC	I	Biomolecules & Analytical Techniques	30
2	II -BBC	III	Biophysical Techniques	24
3	III -BBC	V	Molecular Biology & r-DNA Technology	29
4	I -BBC	II	Microbiology, Cell & Molecular Biology	28
5	II -BBC	IV	Immunology	24
6	III -BBC	VI	Plant & Animal Biotechnology	26
2019-2020				
1	I -BBC	I	Microbiology & Cell Biology	30
2	II -BBC	III	Biophysical Techniques	29
3	III -BBC	V	Molecular Biology & r-DNA Technology	29
4	I -BBC	II	Macromolecules, Enzymology & Bioenergetics	30
5	II -BBC	IV	Immunology	29
6	III -BBC	VI	Plant & Animal Biotechnology	29
2018-2019				
1	I -BBC	I	Microbiology & Cell Biology	33
2	II -BBC	III	Biophysical Techniques	29
3	III -BBC	V	Molecular Biology & r-DNA Technology	31
4	I -BBC	II	Macromolecules, Enzymology & Bioenergetics	33
5	II -BBC	IV	Immunology	29
6	III -BBC	VI	Plant & Animal Biotechnology	29

ST.ANNS COLLEGE FOR WOMEN

DEPARTMENT OF BIOTECHNOLOGY

SEMESTER 5; PAPER 6C

PAPER TITLE :- APICULTURE

Topic:- Life Cycle Of HoneyBee

Assignment



SUBMITTED BY Ch.Anusha

Regd No:- Y213158003

SUBMITTED TO :- K. Vanaja

DEPARTMENT OF BIOTECHNOLOGY

ST ANN'S COLLEGE FOR WOMEN
GORANTLA (GUNTUR)
ANDHRAPRADESH

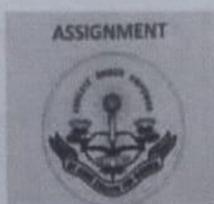
BIOTECHNOLOGY
ASSIGNMENT ON
TOPIC: GENOME ORGANIZATION

5
✓

SUBMITTED TO
MRS.K.VANAJA MAM
BIOTECHNOLOGY DEPARTMENT

SUBMITTED BY:
B.YASASWINI
ROLL.NO.06
Y223158006
1stBBC SEM II

ST. ANN'S COLLEGE FOR WOMAN
DEPARTMENT OF BIO-TECHNOLOGY
BIOMOLECULES AND ANALYTICAL
TECHNIQUES



4

Submitted by

Ch. Anusha
Y213158003

Submitted to
K. Vanaja

HOD OF BIO-TECHNOLOGY
DEPARTMENT OF BIO-TECHNOLOGY

ST ANN'S COLLEGE FOR WOMEN
GORANTLA (GUNTUR)
ANDHRAPRADESH

BIOTECHNOLOGY
ASSIGNMENT ON
TOPIC: TRANSLATION

5
D

SUBMITTED TO
MRS.K.VANAJA MAM
BIOTECHNOLOGY DEPARTMENT

SUBMITTED BY:
B.THANU PADHEESHA
ROLL.NO.08
Y223158008
1st BBC SEM II

St. ANNS COLLEGE FOR WOMEN

Gobantla, Guntur

Topic : DNA Damage and Repair

Subject : BIOTECHNOLOGY

Paper : II, Semester - II

Academic year : 2020-21

5

✓

Submitted to

Mrs. K. Vanaja

H.O.D of Biotechnology

Submitted by

K. Akshitha

I Bsc. Biotechnology

Roll No: Y203158017

ST. ANNS COLLEGE FOR WOMEN

Gorantla, Guntur.

Topic :- REGULATION OF GENE EXPRESSION.

Subject :- BIOTECHNOLOGY.

Paper :- I, SEMESTER-II.

Academic :- 2020-21.
year.

5

①

Submitted To.

Mrs. K. Vanaja

H.O.D of BIOTECHNOLOGY

Submitted by.

K. Lekhana

Ist BSc (B.Sc. BIOTECHNOLOGY).

Roll No :- 4203158018

(5)
P
ST.ANN'S COLLEGE FOR WOMEN

Gorantla,Guntur

Department of Bio-technology

Bio-Technology Assignment

Semester - 5,Paper – 5/3

Topic :-

**Mechanism of DNA Replication ,
Rolling Circle Model.**

Submitted to :-

K.Vanaja Mam.

Submitted by :-

G.Sonia Prabha,

Y193158009,

||| BBC.

ST.ANN'S COLLEGE FOR WOMEN

Gorantla,Guntur

Department of Bio-technology

Bio-Technology Assignment

Semester - 5,Paper – 5/3

Topic :-

Genome Organisation in
Prokaryotes & Eukaryotes.

Submitted to :-

K.Vanaja Mam.

Submitted by :-

B.Nandini,

Y193158005,

||| BBC.

S.T. Ann's College For Women
Golantla, Guntur.

Biotechnology Assignment

Semester - III

Topic: Flame Photometry.

2018-2021

Submitted To:

Mrs. Vanaja
Department of
Biotechnology

Submitte By:

J. Sowjanya Prasanna

II - BSC.

Roll no: 14.

5

St. Ann's College for Women
Gorantla, Guntur.

(5)

Department of Bio-technology.

Semester - 3.

2018 - 2021

Topic :- Centrifugation.

Submitted to :-

Mrs. Vanaja.

(Dept. of Bio-technology)

Submitted by :-

G. Kranthi.

II BBC.

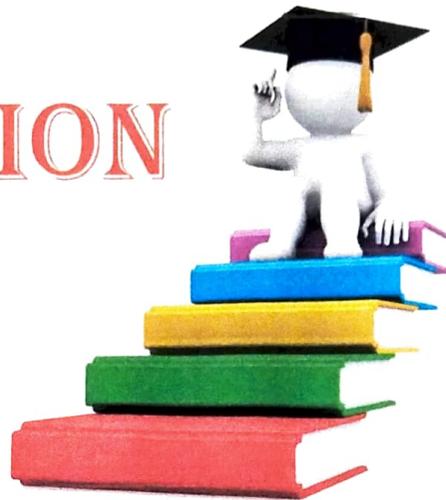
18



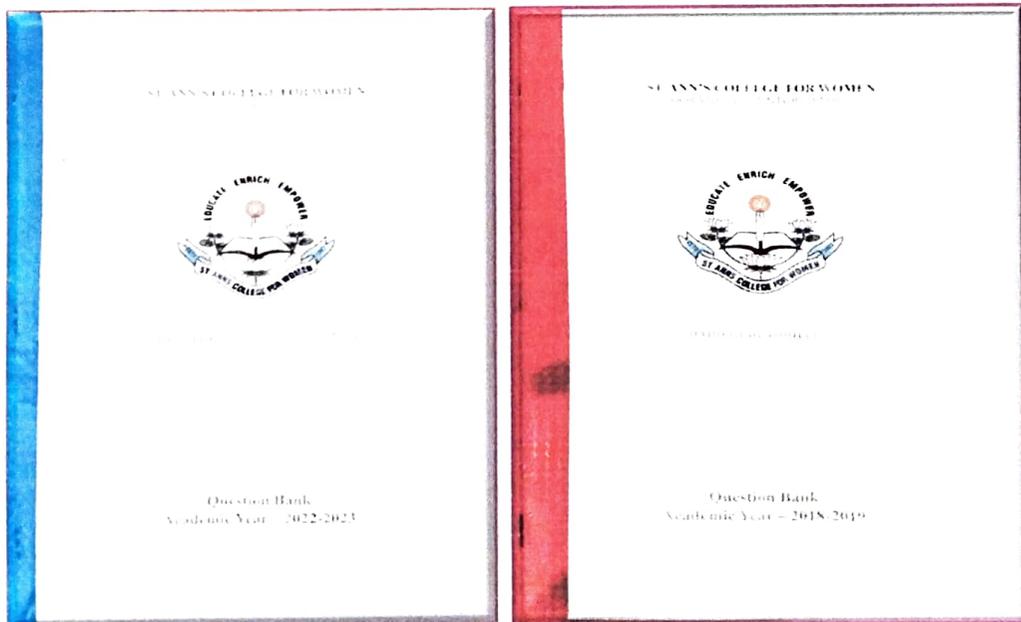
To involve, to build Competitively Students attended the Campus Recruitment Training (CRT) Classes as a preparation of Aptitude exams.



QUESTION BANK



Question Bank Preparation According to model paper semester wise
Question have been prepared by the Advance Learners.



Do B
PRINCIPAL
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GORANTLA, GUNTUR-522 034