



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.

MICROBIOLOGY DEPARTMENT ACTIVITIES





CHAITANYA DEGREE & PG COLLEGE FOR WOMEN ABOUT THE DEPARTMENT OF MICROBIOLOGY

Microbiology is a branch of science that deals with the study and understanding of Microorganisms.

It has become vital and indispensable since they are connected to each and every aspect of human life activities.

Microbiology course was introduced in our college as a restructured B.Sc course in biology stream offered with a combination of Biochemistry and Chemistry in English medium. The Department of Microbiology is serving the students from its inception. This college, particularly the microbiology department, has molded generations of students.

The Department's vision is to provide high quality education and training to the students and equip them with excellence in education, abilities to enable them pursue a good career.

The curriculum was designed to educate important microbiological disciplines, as well as to promote the basic skills and competencies that have enduring value beyond the classroom.



SCIENCE EXHIBITION PROGRAMS

The department every year conducts science exhibition on behalf of science day. The students actively participate in this program. They come up with their creative and innovative ideas which helps in learning about new advances in microbiology. Students actively became the part of this program with different models.

SEWAGE WATER TREATMENT

◦ Sewage Treatment is a type of waste water treatment which aim to remove contaminants from sewage to produce an effluent that is suitable to discharge to the surrounding environment or for reuse application.



Report: Sewage water Treatment processor presented by

1. Mounika Patnaik
2. Manisha
3. Neelima
4. Tulasi

B.Sc Microbiology 3rd year- 2022

DRIP IRRIGATION

Drip irrigation is a techniques in which water flows though a special filter which emits light located at a different places. Water is distributed to emitters directly into the soil near the roots through a special slow realize device.



Report:Drip irrigation Presented by

- 1. Triveni**
- 2. Nirmala**
- 3. Meenakshi**

B.Sc Microbiology 3rd year - 2022



GENERATION OF ELECTRICITY BY ALTERNATOR

- An alternator Converter converts Mechanical energy to electrical energy With an alternating current process.
- The stator and rotor Inside the alternator work as magnets and rotate to generate the alternating current
- Then the alternating current (AC) Is transformed into a Direct Current (DC) That charges the battery
- The alternator is Designed for 11kv
- An alternator Works on the Principal of Electromagnetic induction.



**Report: Generation of electricity by
alternator Presented by**

1. Gowthami

2. Yamini

B.Sc Microbiology 3rd Year - 2022



PRODUCTION AND DISTILATION OF WINE

Production of wine by using black grapes smash and incubated with pure culture yeast for a period of time followed Production and Distilation process.



Report: Fermentation of Wines

Presented by

1. Chandini

2. Anitha

3. Satya veni

B.Sc Microbiology 3rd year - 2022

EFFECT OF COVID VIRUS ON KIDNEY

- Kidney filters toxins and excretes water and Waste products from the body.
- COVID- 19 can cause tiny clots in the blood stream, which can clog the Smelled blood vessels in the kidney and impair it's function.
- The symptoms includes nausea, vomiting, muscle cramps, loss of appetite, swelling via feet ankles, dry Itchy skin , shortness of breath sleeping trouble Etc..



**Report: Effect of COVID Virus on
kidney presented by**

- 1. Lavanya**
- 2. Katyayani**
- 3. Vasundhra**

B.Sc Microbiology 3rd year - 2022

NORMAL AND COVID EFFECTED LUNGS

- Lungs make up Larger part of our respiratory system, which is the network of organs and tissues that allow you to breathe.
- If covid-19 Pneumonia progresses more in the air sacs can become filled with fluid leaking from the tiny blood vessel in the lungs leading to lung damage.



Report: Normal and covid effected lungs Presented by

1. Purna sai

2. Rama laxmi

3. Kumari

B.Sc microbiology 3rd year - 2022