

**MOU-Activity-2021-22**

**Name of the Department: Chemistry**

**Name of the Event :** Guest Lecture

**Topic:** Mass spectrometry and its applications

**Date conducted:** 12-12-2021.

**Name and Designation of the Resource person:** Dr.M.Sivanath, ANR College Gudivada.

**Report on the guest lecturer:**

**Objectives**

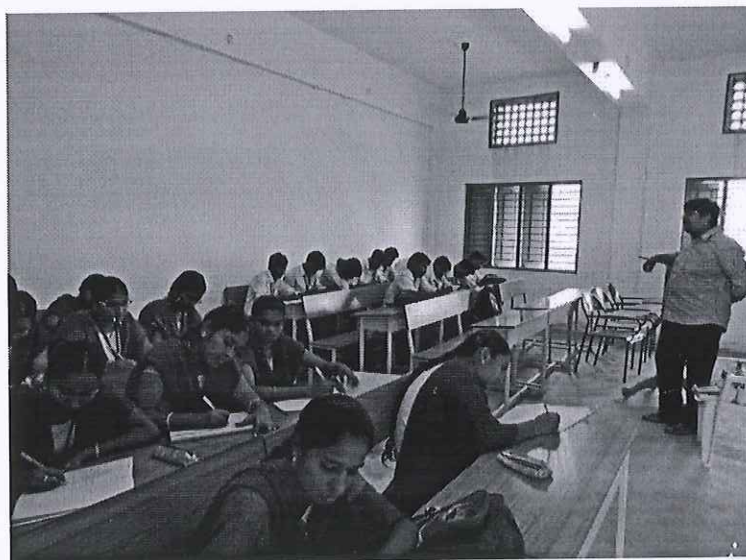
The main objective to arrange to this guest lecturer is to give detail explanation of Mass spectrometry and its applications for post graduate students.

**Notes on lecturer**

Mass spectrometry, also called mass spectroscopy, analytic technique by which chemical substances are identified by the sorting of gaseous ions in electric and magnetic fields according to their mass-to-charge ratios. The instruments used in such studies are called mass spectrometers and mass spectrographs, and they operate on the principle that moving ions may be deflected by electric and magnetic fields.

**Out come**

The students well understand importance of applications of mass spectroscopy.



**Students listening lecturer on Mass spectroscopy and its applications**



  
Principal

Adusumilli Gopalakrishnaiah & Sugarcane Growers  
Siddhartha Degree College of Arts & Science,  
Vuyyuru-521 165, Krishna District.

**Name of the Department: Chemistry**

**Name of the Event :** Guest Lecture

**Topic:** Data Analysis

**Date conducted:** 18-06-2022.

**Name and Designation of the Resource person:** Dr. G. Giri Prasad A.G & S.G Siddhartha  
Degree College of Arts and Science.

**Report on the guest lecturer:**

### Objectives

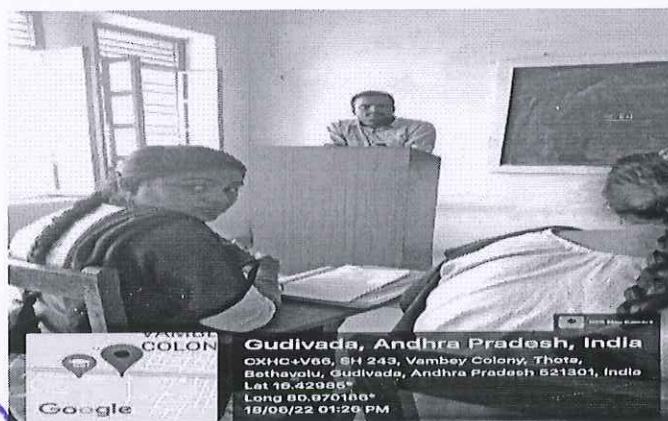
The main objective to arrange to this guest lecturer is to give detail explanation Data Analysis for post graduate students.

### Notes on lecturer

- Estimate the precision that can reasonably be expected from the method. Be certain that the outlying result is indeed questionable.
- Re-examine carefully all data relating to the questionable result in order to rule out the possibility that a gross error has affected its value. Remember that the only sure justification for rejection is the knowledge of a gross error.
- Repeat the analysis, if at all possible. Agreement of the newly acquired value with those that appear to be valid will support the contention that the outlying result should be rejected.
- If further data cannot be obtained apply the Q-Test. Also give consideration to reporting the median, rather than the mean value of the set. The median is the central value of the set and it will minimize the influence of the outlying result.

### .Out come

The students well understand importance of applications of mass spectroscopy.



**Students listening lecturer on Data Analysis**



  
Principal

**Name of the Department: Chemistry**

**Name of the Event :** Guest Lecture

**Topic:** Thermodynamics

**Date Conducted:** -----.

**Name and Designation of the Resource person:**

D.Vimala Kumari lecturer in chemistry ANR college Gudivada.

**Report on the guest lecturer**

**Objectives**

To Explain Second law of thermodynamics Different Statements of the law, Carnot cycle and its efficiency, Carnot theorem, Concept of entropy, entropy as a state function, entropy changes in reversible and irreversible processes.

**Notes on lecture**

Thermodynamics is essentially the study of flow of energy. Its entire chapter is based on the underpinning that there is transference and transformation of energy from one form to another. Since the measurement of energy has to be about a specific system, class 11 Chemistry chapter 6 thermodynamics notes begin with elaborating various properties of a system

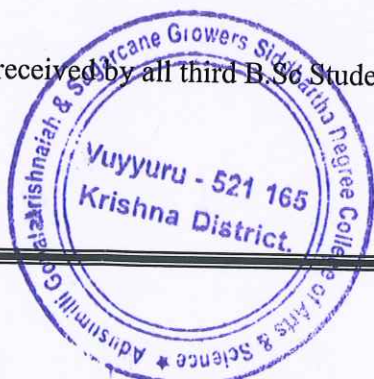
The chapter of thermodynamics in CBSE class 11 Chemistry is quite exhaustive in its content. A student has to learn multiple topics under this chapter, along with the relevant mathematical sums. To fully grasp the chapter, the core concepts must be clear at the outset. Students, while preparing this chapter, can download the PDF of the notes for free on Vedantu's official website.

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**Outcome**

Lecture was received by all third B.Sc Students Impressively.



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Lecturer By D.VimalaKumari



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Vuyyuru-521 165, Krishna District.

Name of the Department: Zoology

**Name of the event:** Training Program

**Topic:** "L.vennamei culture"

**Date Conducted:** 5-6/11/2021

**Name and designation of the resource person:** Sri P.KiranChandh,Supervisor,Godrej Agrovet Ltd.

**Report on the guest lecturer:**

The Department of Zoology organized a training program for two days duration on L.Vannamei culture and diversification in collaboration with Godrej Agrovet Ltd. at Ramapuram R&D farms for the benefit of students. The 2-days trainingprogram is from November 5-6, 2021. This is to educate them on the sustainable farming practices, Better Management Practices and on the farming technology of potential species for diversified aquaculture.The training programs on L.venameiculture enables the students to take up shrimp culture as a means of self-employment.

Sri. P.Kiran Chand Supervisor of the company gave training to the students. The students gained Knowledge and Skills in the culture of L. Vennamei. They gained confidence to set up a farm for self-employment.



Students at Ramapuram Fish Ponds with D. A. Kiranmayee HOD of Zoology Department



Students observing Prawn larval stages



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Name of the Department: Political Science

**Name of the Event:** Internship

**Topic:** Fertilizer Distributors and Dealers

**Date Conducted:** 16-08-2022 to 8-10-2022

**Name and Designation of the Resource person:** N.V.S Sureshnadh, proprietor Vuyyuru to B.A Students

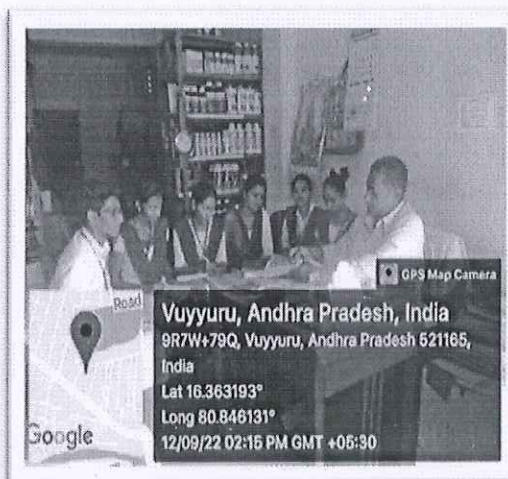
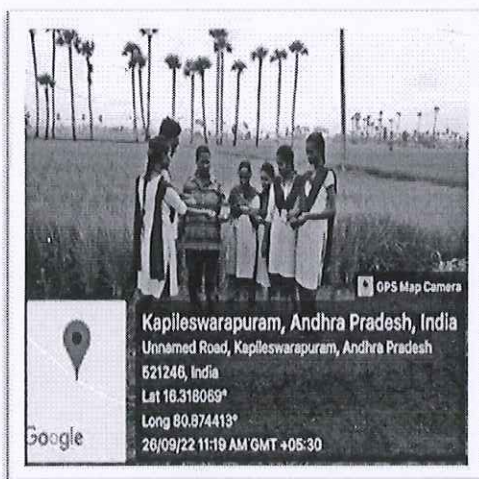
**Report:**

### Organic Fertilizers

Natural fertilisers derived from plants and animals are known as organic fertilisers. By adding carbonic molecules necessary for plant growth, it enriches the soil. Organic fertilisers boost the amount of organic matter in the soil, encourage microbial reproduction, and alter the physical and chemical composition of the soil. It is regarded as one of the essential elements for foods that are green.

**Organic fertilizers can be obtained from the following products:**

Agricultural Waste, Livestock Manure, Industrial Waste and Municipal Sludge



Internship Programme

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Name of the Department: History

**Name Of The Event:** Internship

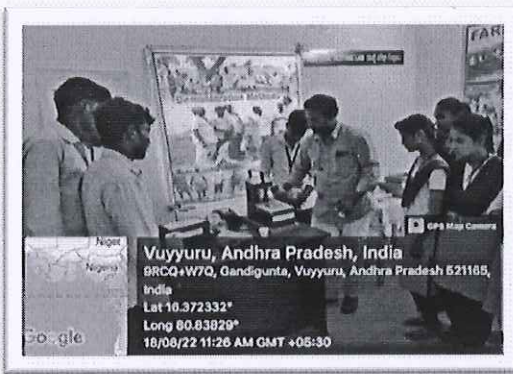
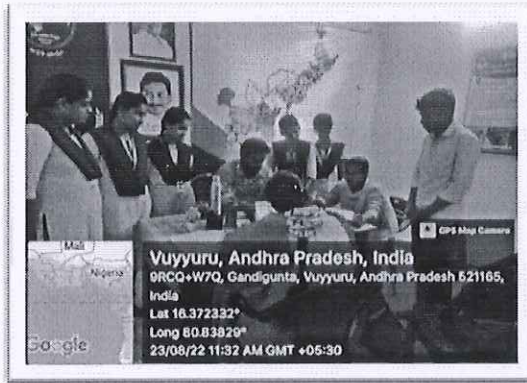
**Topic:** Agri Crop Production Enterprises

**Date Conducted:** 16-08-2022 to 10-10-2022

**Name and Designation of the Resource person:** P.Mahant Assistant Agriculture Officer

**Report**

Agricultural burning means open outdoor fires used in agricultural operations in the growing of crops or raising of fowl or animals, or open outdoor fires used in forest management, range improvement, or the improvement of land for wildlife and game habitat, or disease or pest prevention.



P.Mahant Assistant Agriculture



  
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**Name of the Department: Zoology**

**Name of the event:** Guest Lecture

**Topic:** Career guidance of Aquaculture

**Date conducted:** 24-01-22

**Name and Designation of the Resource person:** D.A Kiranmayee

**Report on the guest lecturer:**

**Objectives**

The main objective to arrange to this guest lecturer is to give detail explanation of Career guidance of Aquaculture

**Notes on lecturer**

D.A Kiranmayee explained about the increasing careers opportunities for science students and jobs available with a various companies and employers, including state and federal government agencies, academic institutions, and fish farms. He enlightened the audience with the available career opportunities in aquaculture that merely require a high school diploma and some hands on-the-job training. Moreover, in his talk, he described how an increasing number of employers in this industry prefer job candidates with undergraduate education, and certain aquaculture careers, including high-level management and government positions, require graduate-level education.

**Out come**

The students well understand importance of Aquaculture career opportunities



**Guest Lecture by D.A Kiranmayee**



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**SIR C R REDDY COLLEGE, ELURU**  
(AUTONOMOUS)

(Thrice accredited at 'A' level by NAAC, Bengaluru)  
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Dr. K A RAMA RAJU, M.Sc., M.Phil., Ph.D.,  
Principal



ATTENDANCE CERTIFICATE

This is to certify that Smt. Ch. Beulah Ranjani, Asst. Professor in Botany  
A.A.S.G. Sidhartha Degree College, Vuyuru has attended  
Board of Studies meeting of Botany at Sir C R Reddy (A) College,  
Eluru on 16-07-2022 as Subject Expert.

Date: 16-07-2022.



(Dr. K.A. RAMA RAJU)  
Principal



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Siddhartha Degree College of Arts & Science,  
Vuyuru-521 165, Krishna District.

Name of the Department: Chemistry

Name of the Event: Field Trip

Date Conducted: 18-02-2022

The Department of Chemistry (UG) has arranged a Field trip to Industrial Visit to KCP Sugars for B.Sc (MPC) final year students and Department staff members. Accompanied along with students and reached KCP Sugars by 10 a.m.



Chemistry (UG) Department Field Trip



*[Handwritten Signature]*  
Principal

Adusumilli Gopalakrishnaiah & Sugarcane Growers  
Siddhartha Degree College of Arts & Science,  
Vuyyuru-521 165, Krishna District.



*[Handwritten Signature]*  
Principal

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