

# YA Government Degree College for Women, Chirala.

Department of Chemistry

## NATIONAL POLLUTION CONTROL DAY

02-12-2022 TIME:10 AM

### SIGNIFICANCE OF THE DAY:

National Pollution Control Day 2021 is observed annually on December 2 to remember the people who lost lives during 1984 Bhopal Gas Tragedy. It is also the day to raise awareness about the hazards of [air pollution](#).

Sadly nine among ten people across the world do not have access to safe air and consequently face risk of [respiratory disorders](#), lung cancer, brain or kidney damage and heart disease in long run.

### OBJECTIVES:

1. To enlighten people about the hazards of air pollution and others.
2. To help identify various sources of pollution.
3. To make people realise the exigency to take steps to control pollution.
4. To bring awareness about saving trees.

### PROGRAMME:

1. Two final B.Sc chemistry students explained various types of pollutions and their evil effects on environment and mankind.They apprised of various methods of pollution control in the form of *a dialogue* – Fig 1&2
2. A group of final year students of chemistry enacted a thought provoking *Mime(skit)* on *SAVE TREES*. – Fig 3&4
3. Students and chemistry staff planted some trees on the campus. – Fig 5



Fig 1&2 : students explanation



Fig 3&4 : Student skit on SAVE trees



Fig 5: Plantation

**OUTCOME:**

This has won the appreciation of all the students and staff.

**STUDENTS PARTICIPATED:** 200 students

# YA Government Degree College for Women, Chirala.

Department of Chemistry

## GUEST LECTURE

DATE 14-12-2021

### SPEAKER:

Mr B.Koteswara Rao  
Lecturer in Chemistry,  
Government degree college,  
Chebrolu.

### TOPIC: AMINO ACIDS

### AIMS AND OBJECTIVES:

1. To know about the types of amino acids and their physical and chemical properties.
2. To know their structure and methods of synthesis.

### REPORT:

Amino acids and their significance is elaborately explained. All the chemistry faculty and students of 5<sup>th</sup> sem are present.

### OUTCOME:

Students could appreciate the talk. They got all their doubts cleared.

NO OF STUDENTS PARTICIPATED:25



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# YA Government Degree College for Women, Chirala.

Department of Chemistry

## GUEST LECTURE

**TOPIC:** BASICS OF ANALYTICAL CHEMISTRY

**DATE:** 15-12-2021

**RESOURCE PERSON:** Dr S. MUTTA REDDY

### **BRIEF PROFILE OF SPEAKER:**

Dr Mutta Reddy is a retired professor of government degree colleges, Guntur and Chirala. Besides his long teaching experience, He was in active research. Two students received Ph.Ds and four received M.Phils under his research guidance. He had to his credit around 40 research papers in national and international journals. He has completed two minor research projects and conducted two national seminars. Earlier to his teaching career, he had worked for a few years in reputed laboratories like BARC and IICT. Born to illiterate parents in a backward region, he rose to this stature out of his hard work, commitment and dedication.

### **OBJECTIVES:**

1. To know the basics and scope of analytical chemistry
2. To know about career opportunities for chemistry students.
3. To make students realise the importance of pursuing higher education in chemistry.

### **REPORT:**

He gave the introduction about various instrumental methods of analysis. Students were apprised of broad spectrum of opportunities for chemists and shared his experiences in BARC and IICT.

## OUTCOME:

Students actively interacted with speaker and they were very much motivated.

NO OF STUDENTS PARTICIPATED:30





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# YA Government Degree College for Women, Chirala.

Department of Chemistry

## SANGAM DIARY-FIELD TRIP

DATE: 21-12-2021

### ABOUT COMPANY:

Sangam diary(estd 1977) is one of the largest milk producing company situated in vadlamudi. Guntur district.It has a turn over more than 500 crores with a wide range of products.Its stalls are present all across AP and Telangana.

### OBJECTIVES:

- 1.To know about the basics and scope of diary chemistry and technology.
- 2.To have a hands on learning experience of various physico chemical techniques employed in processing of milk and production of various bi products.
- 3.To learn some quality control methods.

### BRIEF SUMMARY AND STUDENTS OBSERVATIONS:

The chemistry faculty along with the students visited the factory on 21-12-2022.The HR department gave brief presentation on company.

- 1.The students are apprised of the significance and procedure of pasteurisation. The milk is heated to  $79^{\circ}\text{C}$  and later cooled to  $5^{\circ}\text{C}$ .
- 2.Students could understand various separation techniques like centrifuge.
- 3.Students also came to know about other techniques like homogenisation,inceneration etc.

### EVALUATIVEREPORT:

Students gave a very good feed back on the entire trip and found this very useful.

**STUDENTS PARTICIPATED:12**



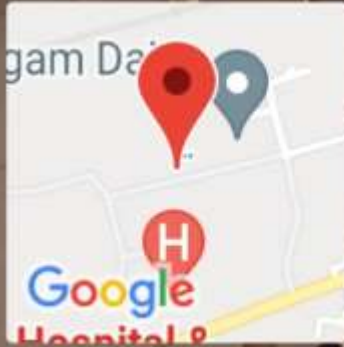
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# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT SEMINARS**

**DATE: 30.12.2021**

**VENUE: Virtual class room**

### **OBJECTIVE:**

Conducting of seminars to students has numerous benefits. By participating in a seminar, the students improve their communication skills, it helps in gaining expert knowledge of subject. Students are able to know, how to say and speak in an appropriate manner. Through appropriate questions, students will demonstrate the understanding of discussions. Seminar helps in gaining better insight into the subject.

### **OUTCOME:**

Students by participating in seminar, developed their speech and came to know the presentation of information in well-structured manner. Seminar developed the ability of students to evaluate and reflect the information.

**No of students participated:** 20 members from 3<sup>rd</sup> B.Sc

# YA Government Degree College for Women, Chirala.

Department of Chemistry

## GUEST LECTURE

Date: 06-01-2022

**TOPIC** : ISOMERISM IN COMPLEXES

**SPEAKER**:

Dr B.SRIDEVI,

Lecturer in Chemistry,

Government degree college for women(A),Guntur.

**OBJECTIVES**:

The main objective of this lecture is to know about the types of isomerism in complexes with examples.

**REPORT**:

The structural isomerism and stereoisomerism of complexes are extensively discussed with the pictorial presentation of various examples.

**OUTCOME**:

Students could comprehend the subject and got all their questions answered.

**NO OF STUDENTS PARTICIPATED**: 21



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# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT SEMINARS**

**DATE: 07.01.2022**

**VENUE: Virtual class room**

### **OBJECTIVE:**

Conduction of seminars to students has numerous benefits. By participating in a seminar, the students improve their communication skills, presentation skills and it helps in gaining expert knowledge of subject. Students are able to know, how to communicate and speak in an appropriate manner. Through proper questions, students will demonstrate the understanding of discussions. Seminar helps in gaining better insight into the subject.

### **OUTCOME:**

Students by participating in seminar, developed their speech and came to know the presentation of information in well-structured manner. Seminar developed the ability of students to evaluate and reflect the information.

**No of students participated:** 20 members from 3<sup>rd</sup> B.Sc



# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT QUIZ**

**DATE: 03.02.2022**

**VENUE: Digital class room**

### **OBJECTIVE:**

The main objective of conducting a quiz programme to students is to give break from traditional class room learning. It expands students, in learning, gaining knowledge and helps in exploring new skills. It also helps to students to get an opportunity to improve their team work skills.

### **OUTCOME:**

By conducting quiz programme, it helps to students to practice existing knowledge by stimulating interest in learning about new subject matter. By answering the questions, the students will feel confident in presentation.

**No of students participated: 38 members from 1<sup>st</sup> B.Sc**



# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT SEMINARS**

**DATE: 16.02.2022**

**VENUE: class room**

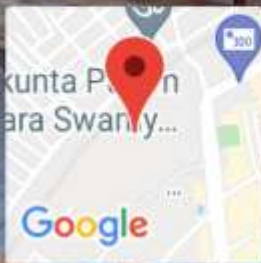
### **OBJECTIVE:**

Conducting of seminars to students has numerous benefits. By participating in a seminar, the students improve their communication skills, it helps in gaining expert knowledge of subject. Students are able to know, how to say and speak in an appropriate manner. Through appropriate questions, students will demonstrate the understanding of discussions. Seminar helps in gaining better insight into the subject.

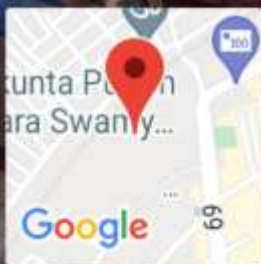
### **OUTCOME:**

Students by participating in seminars developed their communication skills and came to know the presentation of information in well-structured manner. Seminar developed the ability of students to evaluate and reflect the information.

**No of students participated:** 20 members from 1<sup>st</sup> B.Sc



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# YA Government Degree College for Women, Chirala.

Department of Chemistry

## NATIONAL SCIENCE DAY 2022

**Date:** 28.02.2022

**Venue:** Seminar hall

### OBJECTIVE:

The main objective of this activity is to carry out thematic activities of scientific dissemination by the students on NSD

### NATIONAL SCIENCE DAY 2022:

Science and technology play an important role in the development of a nation. Over decades, India has had many scientists who children look up to as role models. These scientists, with their discoveries, have made India a renowned nation. Sir Chandrasekhara Venkata Raman, also known as CV Raman, is one such prominent figure in science and technology. National Science Day, observed on February 28, marks the discovery of the Raman Effect, in the year 1928.

### NATIONAL SCIENCE DAY: HISTORY AND SIGNIFICANCE

In the year 1928, CV Raman discovered the Raman Effect or Raman Scattering which defines the inelastic scattering of photons by the matter which means there is an exchange of energy and change in light's direction. In 1930, the scientist won a Noble Prize for his discovery. To celebrate the victory, in 1986, the National Council for Science and Technology Communication (NCSTC) asked the Central Government to mark February 28 as the National Science Day (NSD). Since then, National Science Day is celebrated on February 28.

## **NATIONAL SCIENCE DAY 2022: THEME**

The theme for NSD 2022 is Integrated Approach in science and technology for Sustainable Future. Union Minister Dr Jitendra Singh launched this theme, highlighting a fold integrated approach for science and technology for a sustainable future.

## **CONTRIBUTION OF CHEMISTRY DEPARTMENT**

**Involvement of students:** Department of chemistry has performed 4 experiments and displayed 4 instruments which has significance in daily life

### **Experiments performed :**

1. Estimation of chlorophyll by using visual colrimtry
2. Determination of soil ph by using digital ph
3. Preparation of natural mosquito repellanent by using aroma plants
4. A simple method to extract and estimation of citric acid in rip and unrip lemon.

### **Instruments displayed**

1. potentiometer
2. Magnetic stirrer
3. Dhona balance
4. Conductivity meter

## **OUTCOME**

The students who are in touch with the event whether they are performers or visitors are recognized the significance of science in daily life.

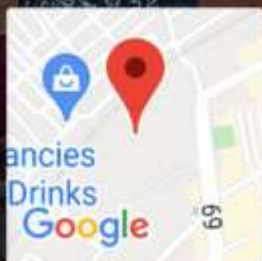


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# **YA Government Degree College for Women, Chirala.**

## **Department of Chemistry**

**Name of the Activity: World Water Day**

**Date: 22.03.2022**

**Venue: Virtual class room, Y.A govt degree college**

**Objective:**

World water day is held annually on 22 March as a means of focusing attention on the importance of fresh water and advocating for the sustainable management of fresh water resources. It is about taking action to tackle the global water crisis.

**Description:**

World Water Day was observed by Dept. of Chemistry of college. Our College Vice-Principal Dr.N.Vijaya Lakshmi garu acted as resource person and explained the students about the importance of water preservation in the present existing situations.

**Outcome:**

Total of 35 students participated in the programme and the Students came to know the importance of conservation and preservation of water for future generations. They came to know about the management of water resources in daily life.



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# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT SEMINARS**

**DATE: 19.04.2022**

**VENUE: Virtual class room**

### **OBJECTIVE:**

Conducting of seminars to students has numerous benefits. By participating in a seminar, the students improve their communication skills, it helps in gaining expert knowledge of subject. Students are able to know, how to say and speak in an appropriate manner. Through appropriate questions, students will demonstrate the understanding of discussions. Seminar helps in gaining better insight into the subject.

### **OUTCOME:**

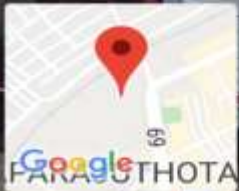
Students by participating in seminars developed their communication skills and came to know the presentation of information in well-structured manner. Seminar developed the ability of students to evaluate and reflect the information.

**No of students participated:** 20 members from 1<sup>st</sup> B.Sc



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# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT SEMINARS**

**DATE: 19.04.2022**

**VENUE: Virtual class room**

### **OBJECTIVE:**

Conducting of seminars to students has numerous benefits. By participating in a seminar, the students improve their communication skills, it helps in gaining expert knowledge of subject. Students are able to know, how to say and speak in an appropriate manner. Through appropriate questions, students will demonstrate the understanding of discussions. Seminar helps in gaining better insight into the subject.

### **OUTCOME:**

Students by participating in seminars developed their communication skills and came to know the presentation of information in well-structured manner. Seminar developed the ability of students to evaluate and reflect the information.

**No of students participated:** 30 members from 1<sup>st</sup> B.Sc



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# **YA Government Degree College for Women, Chirala.**

Department of Chemistry

## **STUDENT SEMINARS**

**DATE: 23.04.2022**

**VENUE: class room**

### **OBJECTIVE:**

Conducting of seminars to students has numerous benefits. By participating in a seminar, the students improve their communication skills, it helps in gaining expert knowledge of subject. Students are able to know, how to say and speak in an appropriate manner. Through appropriate questions, students will demonstrate the understanding of discussions. Seminar helps in gaining better insight into the subject.

### **OUTCOME:**

Students by participating in seminars developed their communication skills and came to know the presentation of information in well-structured manner. Seminar developed the ability of students to evaluate and reflect the information.

**No of students participated:** 10 members from 1<sup>st</sup> B.Sc



# YA Government Degree College for Women, Chirala.

## Department of Chemistry

### Field Trip To Ravi Garden Bapatla

**Name of the activity:** Field Trip

**Date:** 22-07-2022

**Description:**

Department of chemistry arranged a field trip with 20 students at Ravi gardens Bapatla

**Objective:**

To explain the significance of organic fertilizers and organic insecticides and their application methods and preparation methods practically.

**Outcome:**

Students came to know about the significance of organic fertilizers and organic insecticides and their application methods and preparation methods practically.





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# YA Government Degree College for Women, Chirala.

## Department of Chemistry

### Online quiz

**Name of the activity:** Online quiz on electrochemistry

**Date:** 28-07-2022

**Description:**

On line quiz conducted on electrochemistry for 2<sup>nd</sup> BSc students

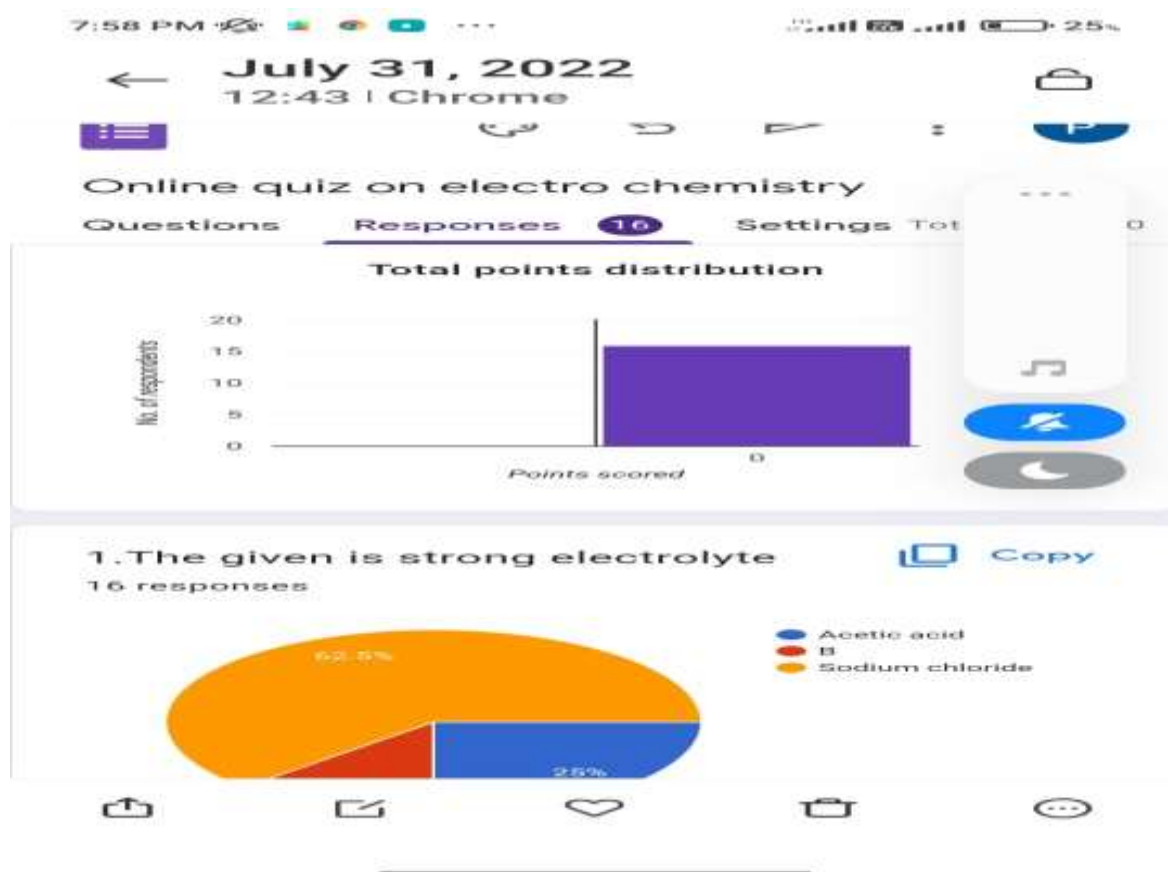
**Objective:** To train the students in objective mode.

**Out come:** Students came to know about objective mode of preparation.

**Link for Google form:**

[https://docs.google.com/forms/d/1Nm\\_IThaQ4pDdVb30gVJqzg1ZCSVG\\_oQFACDcSYcbXKL4/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1Nm_IThaQ4pDdVb30gVJqzg1ZCSVG_oQFACDcSYcbXKL4/viewform?edit_requested=true)

**Number of participants:** 16 students participated in online Quiz



← July 28, 2022  
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## Online quiz on electro chemistry

Questions

Responses **2**

Settings

### 2 responses



Accepting responses



Summary

Question

Individual



1 of 2



Responses cannot be edited

# Online quiz on electro chemistry

Electro chemistry

\*Required

# YA Government Degree College for Women, Chirala.

Department of Chemistry

## AWARENESS RALLY ON USAGE OF CLAY VINAYAKA

DATE: 30-08-2022

### OBJECTIVES:

The main objective of using clay Vinayaka idols on Vinayaka Chaturthi is to protect the environment, human health and water resources because ganesh idols made of plaster of paris which is non-biodegradable, made of poisonous and unsafe colors which are polluting the sea life and water bodies. To secure our nature, we should hold hands and do our bit.

### DESCRIPTION:

The students of our college prepared ganesh idols by using clay and conducted rally in Chirala town and created awareness among people on the usage of clay Vinayaka idols to protect our environment.

### OUTCOME:

Total 80 students participated in the rally and created awareness among public about usage of environment friendly clay Vinayaka idols.





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Chirala, Andhra Pradesh, India

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# YA Government Degree College for Women, Chirala.

Department of Chemistry

## WORLD OZONE DAY

16.09.2022 TIME: 3 PM

**VENUE:** Virtual class room

**OBJECTIVE:**

The world ozone day is observed on 16,September. It is celebrated to spread awareness among people about the depletion of the ozone layer and search for the possible solutions for the preservation of ozone layer. By conducting this day, we discuss about the benefits of ozone layer to spread the awareness.

Theme: Global cooperation protecting life on Earth.

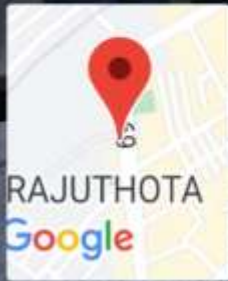
**DESCRIPTION:**

The department of chemistry observed world ozone day. The staff members of chemistry department and other departments participated in this programme and explained students about the importance of protection of ozone layer. The students and the staff members conducted rally in chirala town and created awareness among public about the importance of preservation of ozone layer.

**OUTCOME:**

By conducting this event, the students understand the importance of ozone layer protection and preservation. It makes them to think about the measures to be followed by the common man.

**No of Students participated:** 80



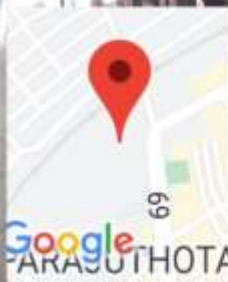
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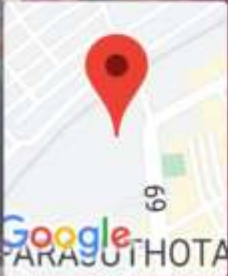
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