

# **Profile of the Department of Chemistry**

The Department of Chemistry was established in 1973. The Chemistry course was introduced in combination with Botany and Zoology. In 1998 BSc MPC was introduced. The Department was strengthened with the introduction of MSc Organic Chemistry in 2005 with an intake of 30 students. The Department was served by 20 eminent personalities like Naseema Sultana, Sri T. Laxman Rao, and Sri. M.A. Biyabani, Dr. P. Ramesh, G. Manasa and presently headed by Dr. M. Prashanthi. Presently Four Faculty members, one Record Assistant and one Office Subordinate serving in the Department.

## **Vision:**

“Promote, inspire and nurture the fundamentals of chemistry to build foundation for excellence and development of the institution as a premier institution”

## **Mission:**

1. To awaken the young minds and discover their talents both in theory and in practical chemistry, through dedication to teaching, commitment to students and innovative instructional methods.
2. To produce graduates of good subject, committed to integrity, professionalism and lifelong learning by widening their knowledge horizons in broad range and depth.
3. To support the developmental activities of the College and make the Department vibrant.
4. Provide students with a more holistic view of chemistry through emphasis on its interdisciplinary nature by using specific examples to illustrate connections between chemistry and other science areas.
5. By igniting, nurturing enthusiasm, interests and passion among the students to pursue chemistry subject in their further professional courses.
6. To create and maintain the programs of excellence in the area of chemistry, science and public outreach.

## **Objectives:**

1. The student will understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information.
2. The student will understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics, and other disciplines to a wide variety of chemical problems.
3. The student will learn the laboratory skills needed to design, safely conduct and interpret chemical research.
4. The student will acquire a foundation in chemistry of sufficient breadth and depth to enable them to understand and critically interpret the primary chemical literature.

- The student will develop the ability to effectively communicate scientific information and research results in written and oral formats.
- The student will learn professionalism, including the ability to work in teams and apply basic ethical principles.

The Department has two laboratories with fully equipped material. The Department has a separate research laboratory with equipments like UV-Vis Spectrophotometer, Microwave oven, Hot air oven etc., The Department has a very good library with nearly 200 reference books. The Department consists of four faculty members. One of the faculty members Dr. G. Srinivas is a member of BOS in Chemistry in Satavahana University & PGCW (A) Hanmakonda. He is author of 2 books referred as text books for the Skill Enhancement Courses in the 3<sup>rd</sup> & 4<sup>th</sup> Semester of Under Graduate Chemistry Students under Osmania University.

In the past 4years the Department has organized many extension lectures, four national webinars, one international webinar, and one day orientation program on NEP with eminent speakers. Two days self help training program (SHTP) on domestically useful house hold products was organised for the benefit of the students to earn while learning. Extension program of SHTP was conducted by UG and PG students at Government High School, Dhangarwadi, Karimnagar.

The Department has organised field trips to Karimnagar dairy, NIT Warangal, Satavahana University along with UG and PG Students. The department has conducted many co-curricular activities like quiz, group discussions, elocution, and nearly 25 online quizzes.

The department celebrates important days Science day, World milk day, Mendaleev's birthday, Technology day etc.

The department organized four certificate courses during 2017-2022.

The department organized RUSA sponsored interdisciplinary Two Day National seminar on Recent Advances in Science and Technology For Sustainable Development on 16<sup>th</sup> and 17<sup>th</sup> September 2022. The department thrives to create and facilitate an environment for the students to probe, search, learn and evolve into an effective social being.

### Faculty Details:

S.No.	Name of the Faculty	Designation	Qualification	Profile
01	Dr M. Prashanthi	HOD & Assiatant Professor of Chemistry	M.Sc, Ph.D.	<a href="#">View File</a>
02	A. Shalini	Assiatant Professor of Chemistry	M.Sc, JRF-NET.	<a href="#">View File</a>
03	G. Jyothi	Assiatant Professor of Chemistry	M.Sc, SET	<a href="#">View File</a>
04	Dr G. Srinivas	Assiatant Professor of Chemistry	M.Sc, M.Phil, Ph.D, NET.	<a href="#">View File</a>

## Departmental Activities:

2017-18

### Plantation



### Drug Awareness Program



## Extension Lecture



## Swach bharat



**2018-19**

**Visit to GK Candles, Karimnagar**



**2019-20**

**Elocution competitions**



## Ozone Day Celebrations



## Quiz Competition

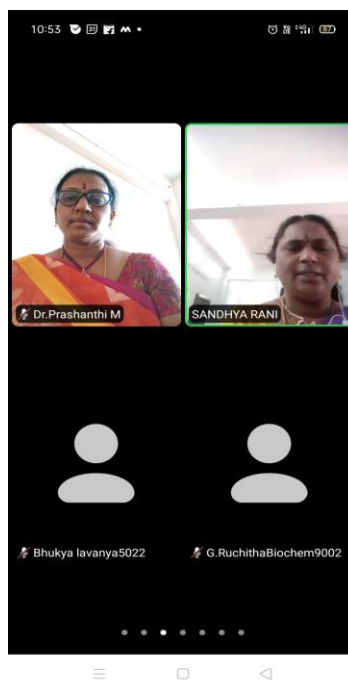


**2020-21**

**Elocution competition**



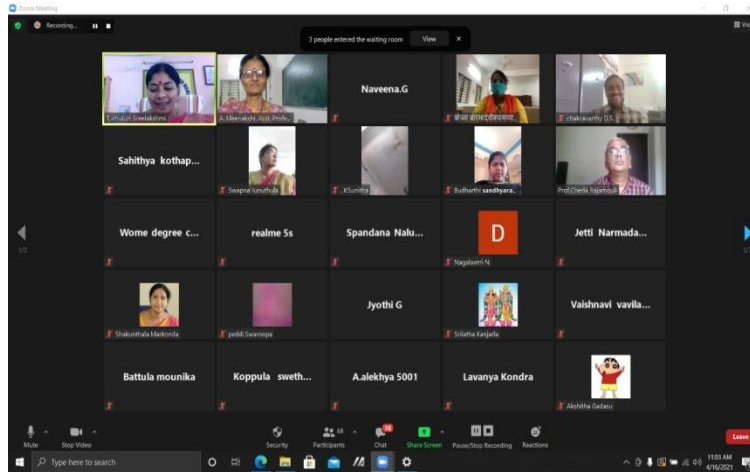
**Extension lecture**



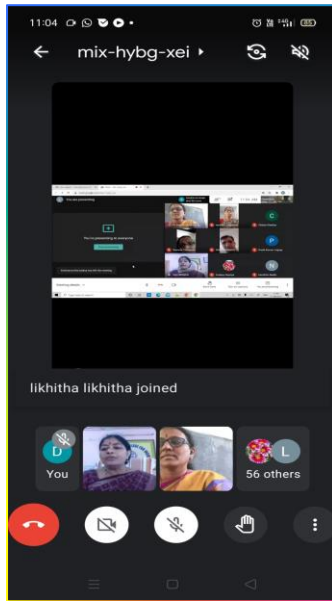


## Webinars

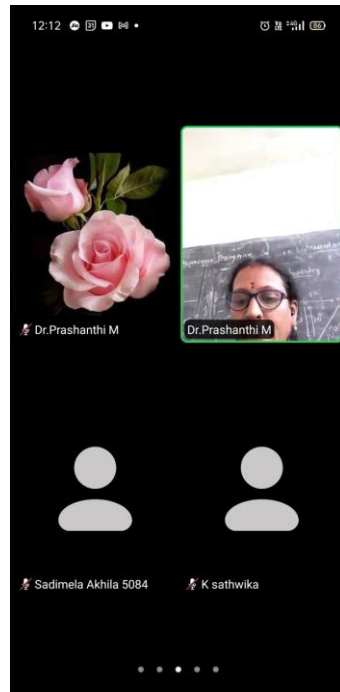
### Topic: Role of Values in Human life



### Topic “Environmental Issues and Challenges”



## Invited Lectures



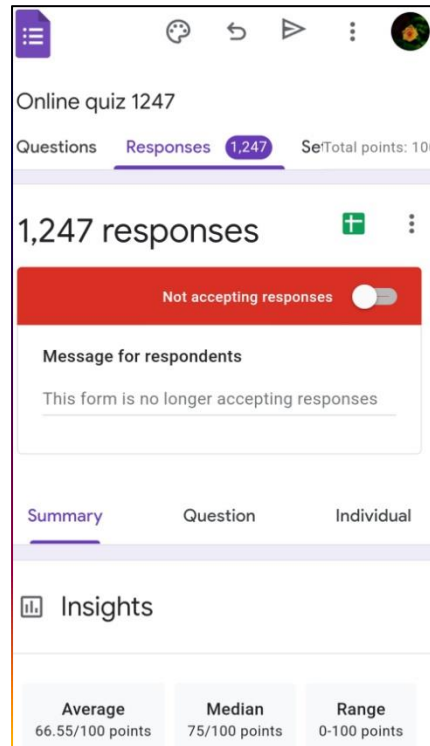
## Plantation



## Workshop on Preparation of hand sanitizer



## Online quiz

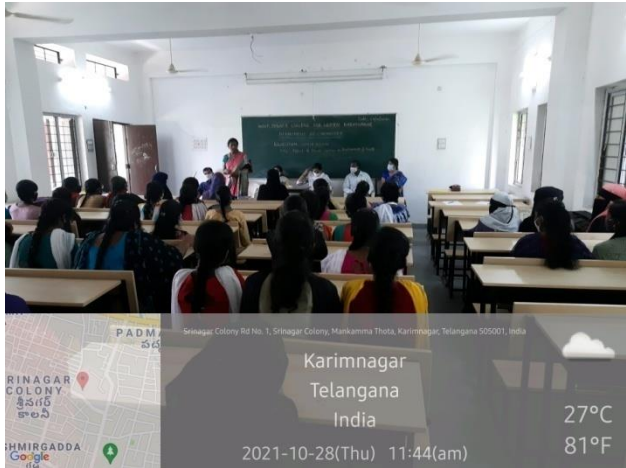


## 2021-22

### Admission campaign



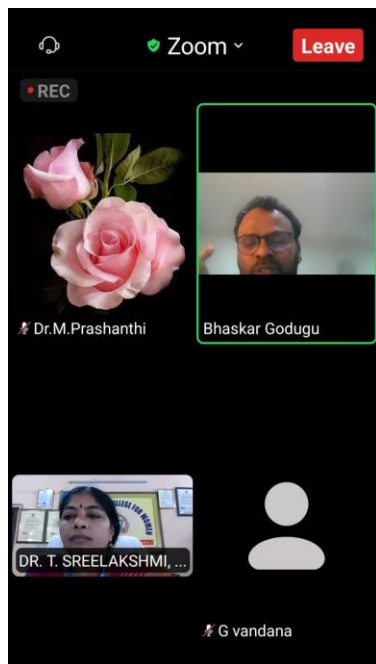
## Elocution competitions



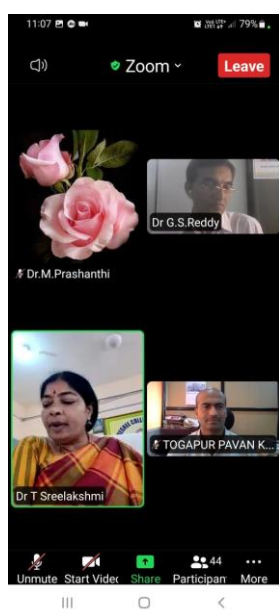
## Extension lecture



## International Webinar on the topic “API Techniques in Mass Spectrometry”



## Topic : An overview of Intellectual Property Rights-Importance and Impact



**An orientation program on National Education Policy 2020 on 18-06-2022 to the faculty members**



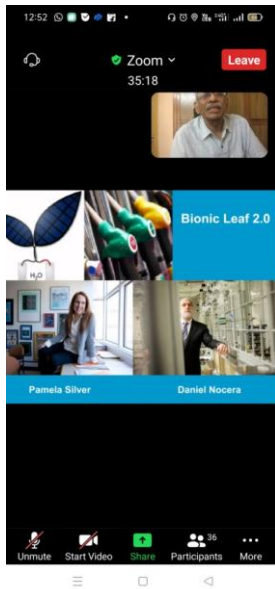
**A program on solid waste management by K.Swamy, Environmental Engineer**



**Webinar on Women Empowerment**



## National Webinar on “Developing Environmental Consiousness”



## Two days Self Help Training Program on domestically useful household products





## Extension program at Government High School,Dhangarwadi,Karimnagar



## Field visits

### 1. NIT Warangal



### 2. Department of Chemistry, Satavahana University



### 3. Karimnagar Dairy Products, Karimnagar



### Important day celebrations

#### Science day



#### Mendeleef Birthday celebrations



**World Milk day**



**Ozone day**



## Water day



## Student Seminars





# National Seminar

