



**SRI A B R GOVERNMENT DEGREE COLLEGE**

**Repalle, Bapatla Dt. 522 265**

Accredited by NAAC with 'B' Grade, Affiliated to Acharya Nagarjuna University



**DEPARTMENT OF CHEMISTRY**

**Best Practice**

**Title: PROMOTING ENVIRONMENTAL CONCIIOUSNESS**





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## **DEPARTMENT OF CHEMISTRY**

### **Best Practice**

**Title: PROMOTING ENVIRONMENTAL CONCIIOUSNESS**

#### **Objectives of the Practice**

- ❖ To educate students on the importance of environmental preservation.
- ❖ To raise awareness among students about environmental impacts of industrial accidents.
- ❖ To educate children about the environmental issues brought on by ozone layer loss.
- ❖ To educate children about the effects of water pollution.
- ❖ To inform the children about the environmental problems brought on by an excessive use of plastic.
- ❖ To make aware of the effects of air pollution, sound pollution, water pollution etc
- ❖ To educate the students about the impact of over population.
- ❖ To encourage the habit of plantation and gardening in the students.

#### **The Context:**

In present scenario environmental pollution is growing day by day. Increasing population and their growing needs are mainly responsible for environmental pollution. Human activities are continuously affecting environment. We are suffering with water borne diseases, lung diseases, cardiovascular diseases and skin problems because of environmental pollution. Lack of awareness about environmental protection and its benefits among students and common people is the main cause for environmental pollution. Creating awareness in practical manner is an important thing to protect our environment. If environmental pollution is increasing in this manner, our lives will become miserable in near future. In this context



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department of chemistry has been conducting many activities to inject awareness about the environment and its protection, among the students and the common people. The main motto of our department is to instill the awareness among the students so that they can propagate these positive ideas to the society so that the problem will be minimized.

### The Practice

Department of chemistry has been conducting activities regarding environmental pollution and its consequences in addition to the curricular activities. Activities like “Vanam – Manam” Haritha Andhra Pradesh program, International Ozone Day, Water Conservations Day, Plastic Free Campus, World Population day, Awareness on the usage of clay idols during Vinayaka Chavithi etc are organized regularly in our campus premises.

#### ❖ “Vanam – Manam” – Mission Haritha Andhra Pradesh

The honorable Chief Minister of Andhra Pradesh has launched Vanam-Manam, 2017 with “Vana-Mahotsavam” on 01-07-2017 in Kondaveedu Forest Block at Obulanaidu Palem village of Guntur District. The goal of this Mission Haritha Andhra Pradesh is to ensure 50% green cover in the State by the year 2029 as envisioned by the Honorable Chief Minister of Andhra Pradesh is planned to be achieved under the rubric “Vanam –Manam” in the next twelve years and this ambitious process programme can be achieved only with the active participation of various stakeholders.

As part of this program we, the students and faculty members of Sri ABR Government Degree College, Repalle actively participated in this program. A plantation program was organized by the Department of



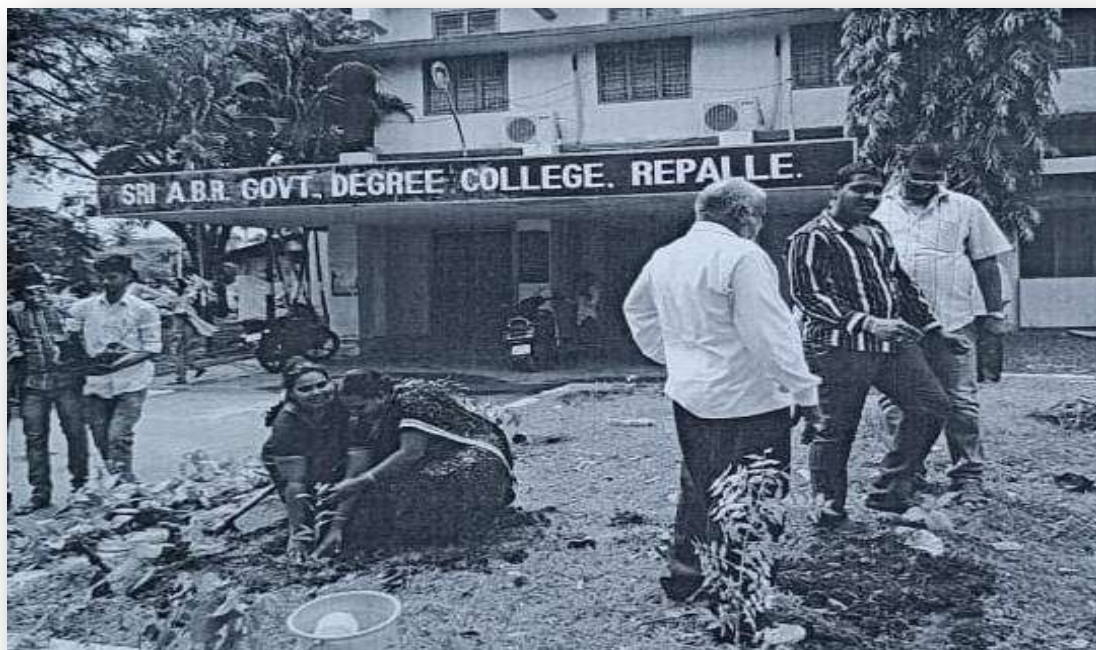
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Chemistry and NSS of our college on 08-07-2017 to improve the greenery in the campus.



Students and faculty participation in tree plantation





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*Sri G.Srinivasulu, Lecturer in English and Dr.B.Satheesh Kumar, Lecturer in Chemistry planting the saplings in our campus*



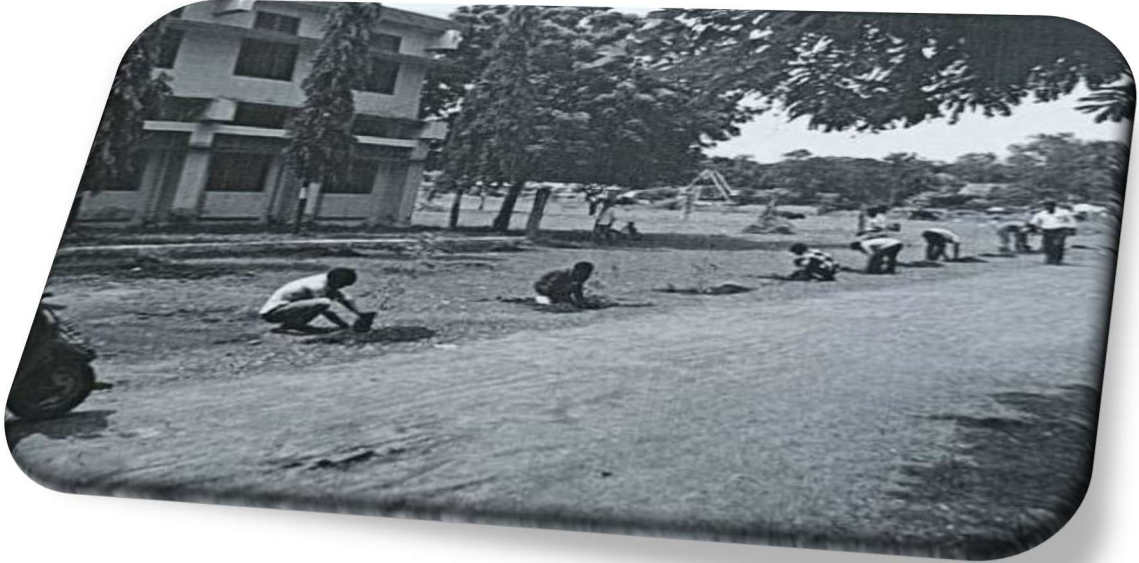
*Sri K.Srinivasulu, Lecturer in Maths planting the saplings.*



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*Students of our college at work during the plantation program*



*Smt.G.Navaratnam, Lecturer in English planting a sapling*



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*Arrival of saplings at our campus*

### ❖ International Ozone Day:-

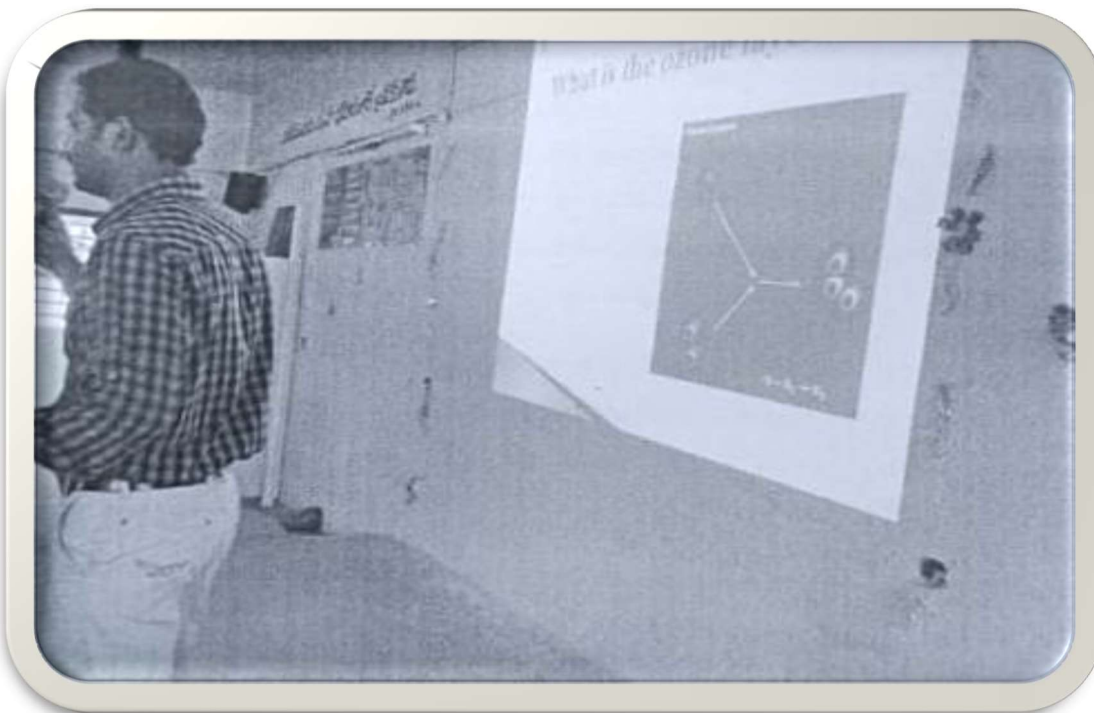
Department of Chemistry is organizing International Ozone Day every year on 16<sup>th</sup> September to infuse the importance of Ozone layer to the students. Depletion of Ozone layer is responsible for skin diseases, cataract and skin cancer. In this regard our department is conducting seminar on the eve of International day for the Ozone layer preservation on 16<sup>th</sup> September every year. We the faculty of department of chemistry advise the students about the safe disposal of old refrigerators and other electronic devices.



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*Dr.B.Satheesh Kumar, Lecturer in Chemistry speaking about the importance of ozone layer*



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*Sri A.J.S. Murthy, Lecturer in Mathematics delivering the words about the importance of ozone layer*





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### ❖ Promoting use of Clay Ganesha during Vinayaka Chavithi:-

We know, during Vinayaka chavithi celebrations, idols of Lord Ganesha are made with Plaster of Paris and are coated with the paintings which contain hazardous chemicals. These statues are installed at the worshipping places. Immersion of these idols in water are generally made in nearby ponds, canals and rivers. These activities pollute drinking and pot water to a large extent. In view of this problem Department of chemistry has been conducting awareness programs like Essay writing competition, Elocution etc about the importance of clay idols and the harmful effects of Plaster of Paris and paintings. Students were also encouraged to make clay Ganesha idols on their own.



*Essay writing competition being conducted to the students on the importance of Clay idols*



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### ❖ **Water Conservation Day:-**

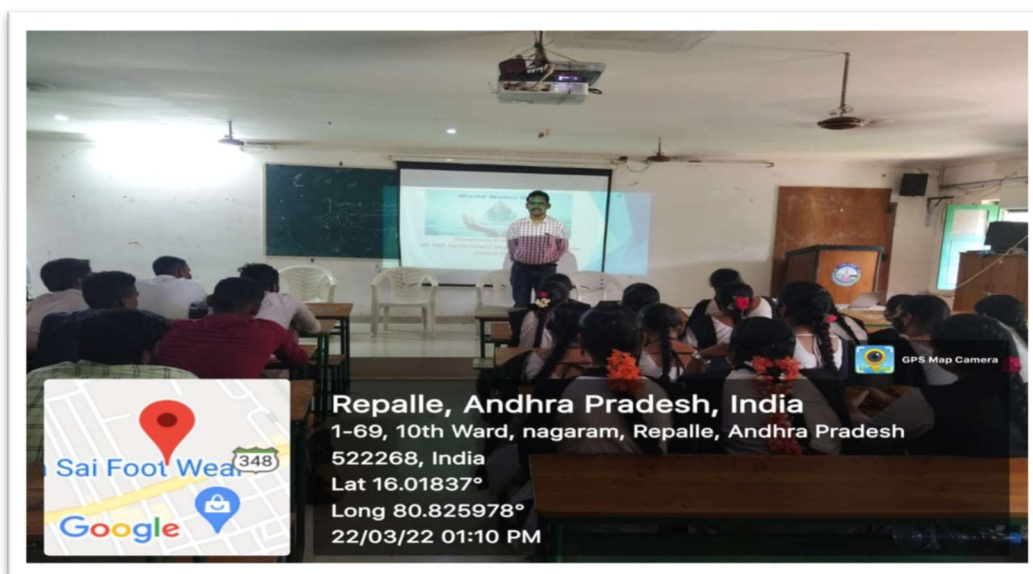
Water conservation day has been celebrated regularly on 22<sup>nd</sup> March every year in our college by the department of Chemistry. During this program students are enlightened about the importance of water and meaningful usage of water. Sri R. Yesupadam HOD, Chemistry spoke in detailed matter about the conservation of surface waters which cover only 1% of total available water on the earth. Sri M.Narasaiah Lecturer in Chemistry explained about recharging of ground water by different methods. He stressed about construction of rain water pits in every home to increase ground water levels. Sri A. Lakshmanarao Lecturer in Chemistry gave vivid explanation of water pollution due to different types of industries and sewage water which became a great danger to human beings. Ms M. Padmaja lecturer in Chemistry spoke about the importance of world water day. Some students also expressed their opinions and shared their thoughts about water pollution and remedies to tackle the situation.



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*Sri R. Yesupadam HOD, Department of chemistry speaking about conservation of water*



*Student participants of the program*



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*Sri M. Narasaiah Lecturer in Chemistry speaking about decreasing ground water levels*



*Sri A. Lakshmanarao, Lecturer in Chemistry speaking about Water Pollution*



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## Evidence of Success

- ❖ A sense of responsibility and generosity is inculcated among members of the staff.
- ❖ Greenery on our campus improved appreciably because of the program Vanam-Manam.
- ❖ We have succeeded in creating awareness among the students about the importance of conservation of water.
- ❖ Some of the students have been practicing use clay idols of Lord Ganesha during Vinayaka Chavithi festival.
- ❖ Our effort on creation of awareness about ozone layer did not go vain as many of the students are well aware of the importance of ozone and they are practicing ozone friendly activities.

## Problems encountered and Resources Required

- ❖ As the forest department did not provide sufficient number of saplings, we had to buy them from outside.
- ❖ Protection of plants and trees in our campus is somewhat difficult due to the movement of public on the Walker's track, though we are taking measures to protect the plants.

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