

**SGK GOVERNMENT DEGREE COLLEGE
VINUKONDA, PALNADU DISTRICT**



DEPARTMENT OF COMPUTER SCIENCE

ACTIVITY REGISTER

A.Y:2022-23

SGK GOVERNMENT DEGREE COLLEGE, VINUKONDA**DEPARTMENT OF COMPUTER SCIENCE****ACTIVITIES ORGANIZED:2022-23**

S.NO	NAME OF THE ACTIVITY	Brief Descriptrption	DATE	NO. OF PARTICIPANTS
1	Achievements of Science in 2022	Session on scientific breakthroughs in 2022	27-Jan-22	21
2	Development after Independence in the Field of Science and Technology	session on how india developed in the field of science and technology after independence	13-Aug-22	33
3	International Ozone Day Celebrations	Organized Ozone day celebrations	16-Sep-22	65

**SGK GOVERNMENT DEGREE COLLEGE
VINUKONDA, PALNADU DISTRICT**



SESSION ON ACHIEVEMENT OF SCIENCE IN 2022

DATE: 31.12.2022

TIME: 11.00AM – 12.30 PM

**CONDUCTED BY
DEPARTMENT OF COMPUTER SCIENCE**

Activity Report

S. No.	Content	Name
1	Name of the Programme	ACHIEVEMENT OF SCIENCE IN 2022
2	Date & Time	31.12.2022 & 11.00AM – 12.30 PM
3	Conducted by	DEPARTMENT OF COMPUTER SCIENCE
4	No. of Students attended	21
5	Convenor	Sri.D.Siva Phanindra, Lecturer in Computer Science

On the final day of 2022, the Department of Computer Science organized a compelling and informative lecture titled "Breakthroughs in Science for the Year 2022". This engaging session, led by Mr. D. Siva Phanindra, Lecturer in Computer Science, focused on highlighting the remarkable advancements and groundbreaking discoveries that took place in the field of science throughout the year.

Agenda:

The lecture primarily aimed to enlighten the audience about the significant milestones achieved in science during 2022. The agenda included:

- 1. Introduction to the Session:** Mr. D. Siva Phanindra commenced the lecture by providing an introduction to the purpose and objectives of the event. He emphasized the importance of staying updated with the latest scientific breakthroughs.
- 2. Breakthroughs in Various Scientific Disciplines:** Mr. D. Siva Phanindra presented a comprehensive overview of the major achievements in different scientific domains, including physics, chemistry, biology, astronomy, environmental science, and technology. He delved into key discoveries, advancements, and their potential impact on society.

Highlights:

- Insightful Narration:** Mr. D. Siva Phanindra's thorough and insightful narration engaged the audience and facilitated a clear understanding of the complex scientific achievements discussed.
- Updated Knowledge:** Attendees gained valuable knowledge about the cutting-edge discoveries in the world of science in 2022, broadening their understanding of current scientific trends and possibilities.
- Inquisitive Interaction:** The audience actively participated in the Q&A session, showing a keen interest in the topics discussed and seeking further clarification on various subjects.
- Encouragement for Future Explorations:** The lecture motivated students to explore and delve deeper into scientific research, sparking their curiosity and inspiring potential future scientists and researchers.

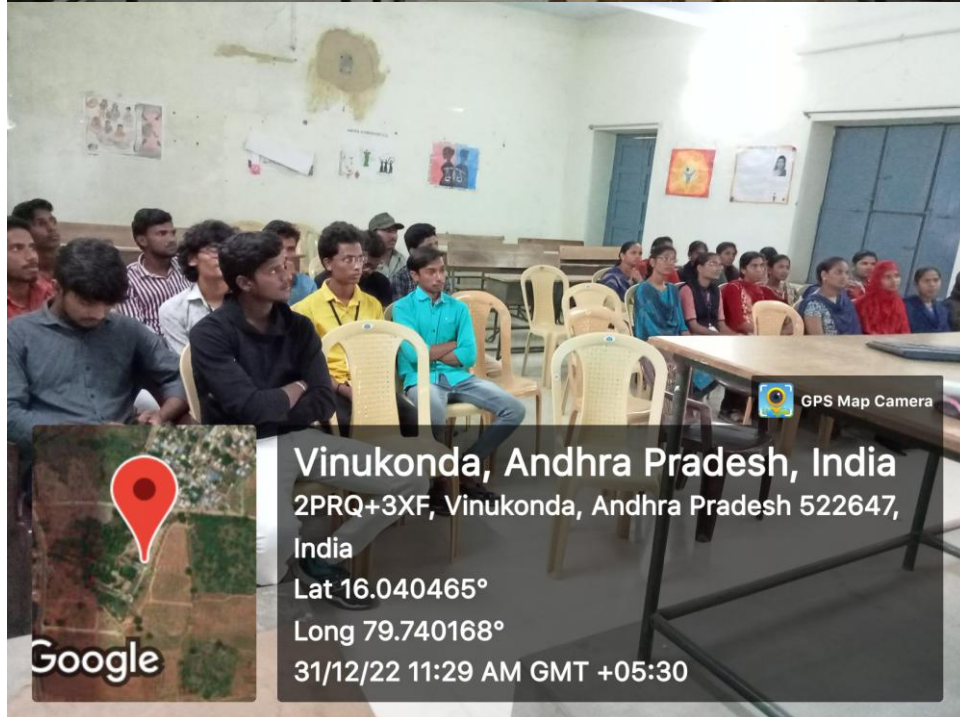
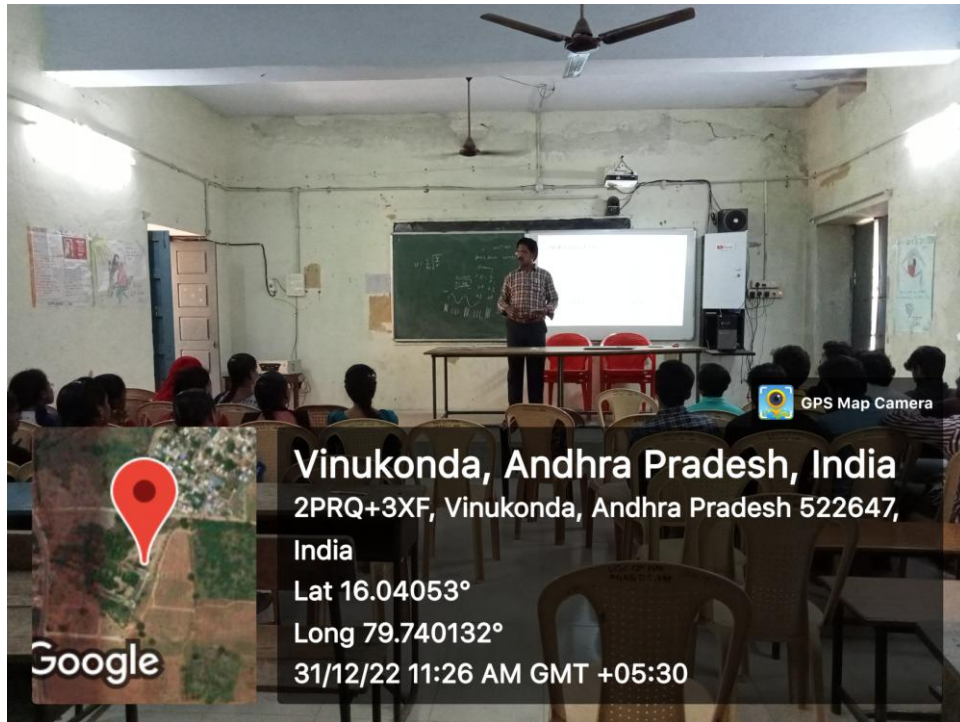


Fig: Session on Achievements of Science in 2022

**SGK GOVERNMENT DEGREE COLLEGE
VINUKONDA, PALNADU DISTRICT**



**Development after Independence in the Field of
Science and Technology**

DATE: 13.08.2022

TIME: 11.00AM – 01.00 PM

**CONDUCTED BY
DEPARTMENT OF COMPUTER SCIENCE**

Activity Report

S. No.	Content	Name
1	Name of the Programme	Development after Independence in the Field of Science and Technology
2	Date & Time	13.08.2022 & 11.00AM – 01.00 PM
3	Conducted by	Faculty of Sciences
4	No. of Students attended	69
5	Convenor	Sri.D.Siva Phanindra, Lecturer in Computer Science

As a part of the celebrations marking the 75th year of Indian Independence, the Faculty of Sciences organized an enlightening session on the topic "Development after Independence in the Field of Science and Technology." The objective of the session was to showcase and reflect upon the remarkable advancements and progress made in the realm of science and technology in India post-independence.

Session Highlights:

The session commenced with an inaugural address, highlighting the historical significance of the 75th year of Indian Independence and its relevance to the advancements in science and technology. Eminent speakers, experts in their respective fields, were invited to share their insights and expertise.

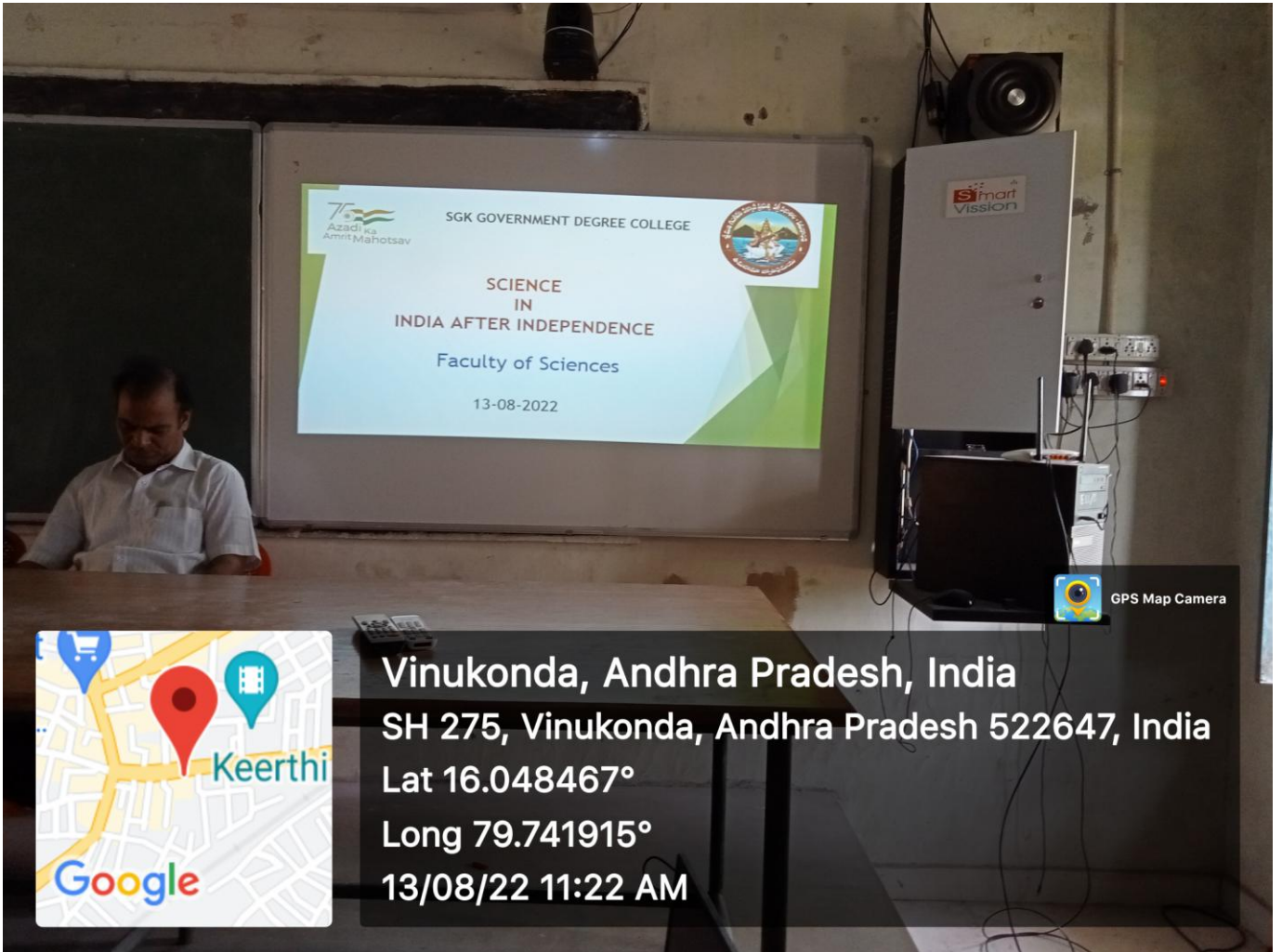
The speakers discussed a wide array of topics including, but not limited to:

- Technological Innovations: An overview of the remarkable technological advancements across various sectors.
- Space Exploration: India's notable achievements in space exploration and satellite technology.
- Medical Science and Healthcare: Innovations and developments in medical research, healthcare infrastructure, and public health initiatives.
- Information Technology: The growth and impact of the IT industry in India and its role in the global arena.
- Renewable Energy: Efforts towards sustainable and renewable energy sources.

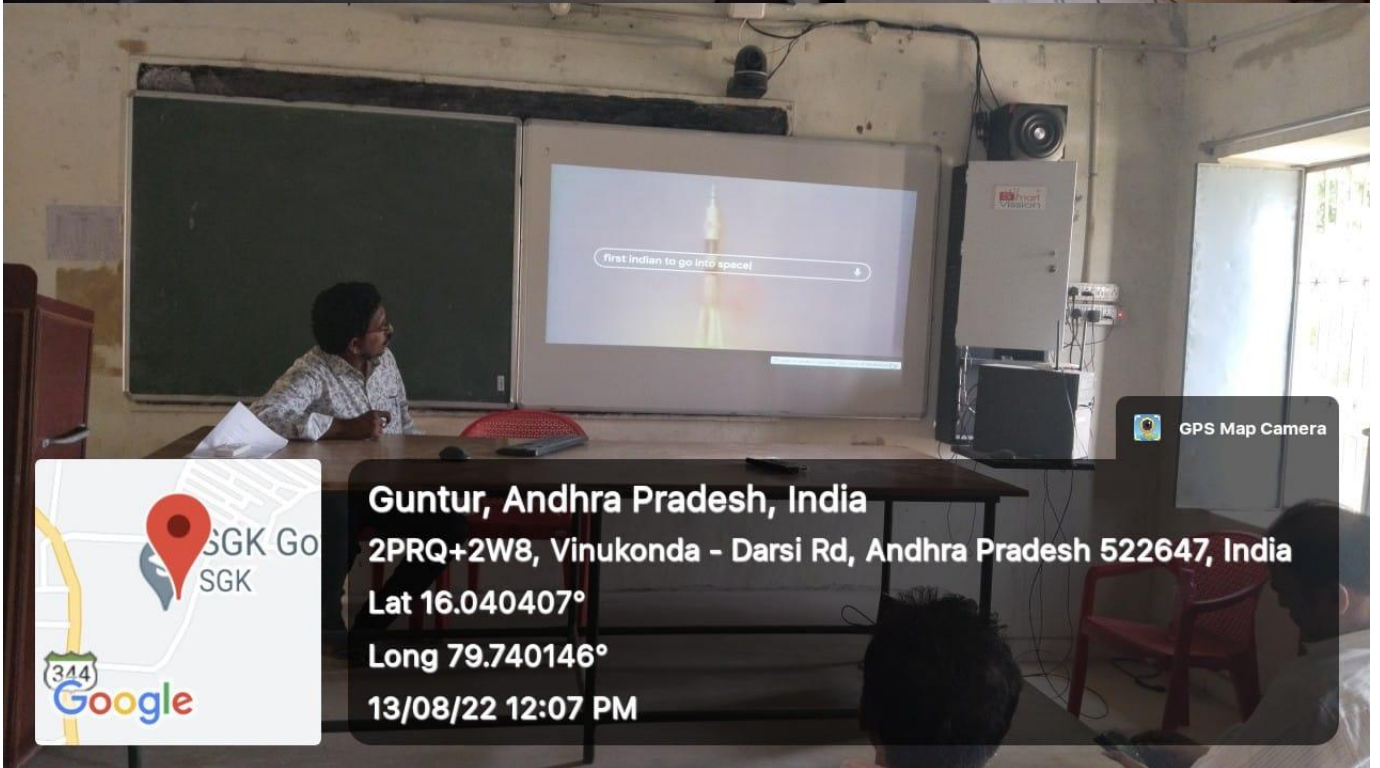
Key Takeaways:

The session provided attendees with invaluable knowledge and a deeper understanding of the growth trajectory in science and technology that India has witnessed since gaining independence. Key takeaways included:

- Realizing the potential of technology to drive economic growth and societal development.
- Understanding the critical role of innovation and research in shaping a progressive nation.
- Recognizing the need for interdisciplinary collaboration to address current and future challenges.



Vinukonda, Andhra Pradesh, India
SH 275, Vinukonda, Andhra Pradesh 522647, India
Lat 16.048467°
Long 79.741915°
13/08/22 11:22 AM



Guntur, Andhra Pradesh, India
2PRQ+2W8, Vinukonda - Darsi Rd, Andhra Pradesh 522647, India
Lat 16.040407°
Long 79.740146°
13/08/22 12:07 PM





Guntur, Andhra Pradesh, India
2PRQ+2W8, Vinukonda - Darsi Rd, Andhra Pradesh 522647, India
Lat 16.040388°
Long 79.740154°
13/08/22 11:34 AM



Guntur, Andhra Pradesh, India
2PRQ+2W8, Vinukonda - Darsi Rd, Andhra Pradesh 522647, India
Lat 16.040429°
Long 79.740074°
13/08/22 11:11 AM



World Ozone Day

16TH SEPTEMBER 2022

S.G.K. Government Degree College
Vinukonda

Organized by
Eco Club & Department of Sciences

Ozone Day

International Day for the Preservation of the Ozone Layer: Theme

The theme announced by the UN Environment Programme for International Day for the Preservation of the Ozone Layer 2022 is “Global Cooperation Protecting Life on Earth”. The Montreal Protocol’s impact is recognized with this theme and brings to notice the “need to act in collaboration, forge partnerships and develop global cooperation to address climate challenges and protect life on earth for future generations.

International Day for the Preservation of the Ozone Layer: History

The United Nations General Assembly proclaimed September 16 as the International Day for the Preservation of the Ozone Layer in 1994. This was done to commemorate the date of the signing of the “Montreal Protocol on Substance that Deplete the Ozone Layer” by the governments of 46 nations around the world in 1987. It was also known as the “Montreal Protocol”.

What is Ozone Layer?

The ozone layer, a fragile shield of gas, protects the Earth from the harmful portion of the rays of the sun, thus helping preserve life on the planet. The phase-out of controlled uses of ozone depleting substances and the related reductions have not only helped protect the ozone layer for this and future generations, but have also contributed significantly to global efforts to address climate change; furthermore, it has protected human health and ecosystems by limiting the harmful ultraviolet radiation from reaching the Earth.

Report of the Event

Eco Club in association with Department of Sciences of S.G.K. Government Degree College were jointly Celebrated International Day for the Preservation of the Ozone Layer on September 16 2022 in the Seminar Hall of the College. Principal, Dr. K. Srinivasa Rao, IQAC Coordinators, Dr. K.V.S. Koteswara Rao, IQAC Coordinator, B. Mani Kumar, Eco-Club Coordinator & Lecturer in Botany, D. Siva Phanindra, Lecturer in Computer Science, B. Nageswara Rao, Lecturer in Physics, V. Bala Yesu, Lecturer in Chemistry, G. Sowjanya, Lectuer in Mathematics, G. Anjaiah, Lecturer in Economics, M. Peekna Naik, Librarian and Students from all science stream were attended this meeting.

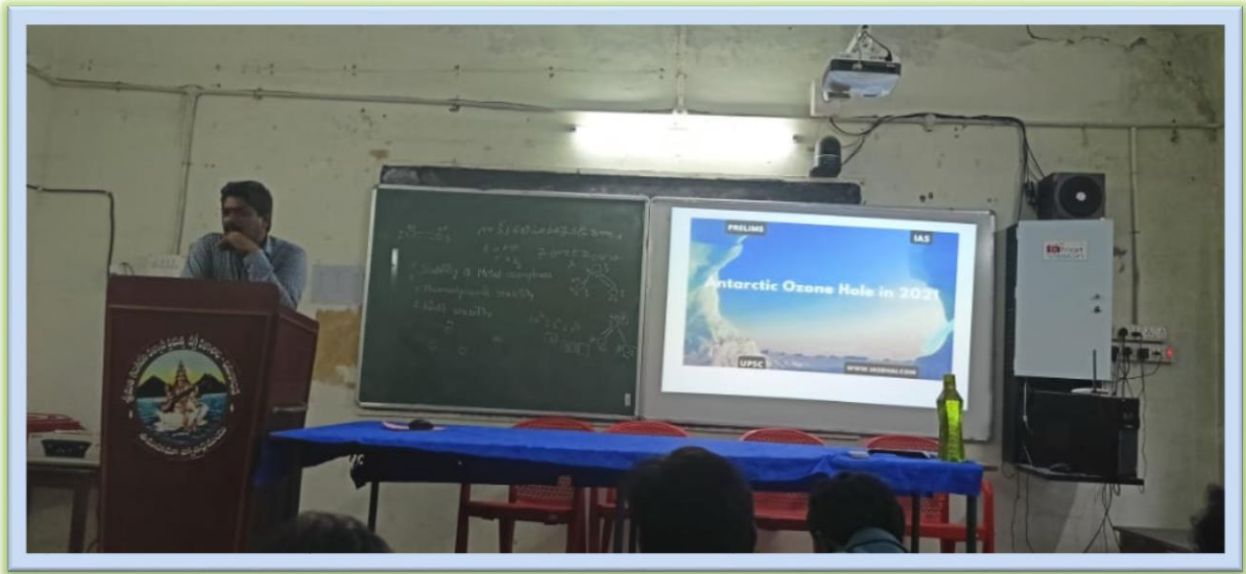


Dr. K. Srinivasa Rao, Principal of the college presided as the chairman of the program, Dr. K.V.S. Koteswara Rao, IQAC Coordinator was the keynote speaker for the gathering, B. Mani Kumar, Eco-Club Coordinator & Lecturer in Botany, D. Siva Phanindra, Lecturer in Computer Science, B. Nageswara Rao, Lecturer in Physics were occupied the chairs in Programme and V. Bala Yesu, Lecturer in Chemistry hoisted this meeting and invited faculty members and students to their respective positions.

Dr K.Srinivasa Rao, Principal of the College & Chairman of the Programme said that The Montreal Protocol on Substances that Deplete the Ozone Layer in the atmosphere is one of the most important and effective global agreement with 197 member countries of United Nations till today. It was signed on 16 September, 1987. Since 1995, this day is commemorated as the International Ozone Day. Necessary efforts have been undertaken throughout the world to phase out ozone-depleting substances and as a result, the hole in the ozone layer is healing leading towards protection of human health, economies and ecosystems. Beside this, the Montreal Protocol has also highlighted on climate change.



Dr. K.V.S. Koteswara Rao, IQAC Coordinator, Ketone Speaker of the Event, He explained the structure of Ozone, Ozone occurs naturally at low concentrations throughout the Earth's atmosphere. In the stratosphere, which extends from about 10 to 50 km above the Earth's surface, ozone is 'good' as it protects life on Earth from the sun's ultraviolet rays. This is why the world is trying to stop the manufacture and use of substances that damage the stratospheric ozone layer. In the troposphere, near the Earth's surface, human activities lead to ozone concentrations several times higher than the natural background level. Too much of this ground-level ozone is 'bad' as it is harmful to breathe and also damages vegetation.



Sri B. Mani Kumar, Eco Club Coordinator & Lecturer in Botany said our S.G.K. Government Degree College's Eco Club plays an important role in creating environmental awareness amongst the future generation. It's a platform on which one gets the knowledge about environment. ECO CLUB works to contribute in improving environmental conditions. S.G.K. Government Degree College's Eco Club actively encourages students to promote correct usage of electronic gadgets. It is a medium through which students can reach out to influence, engage the community to promote green environmental behavior. The club sensitizes the students to discover new environmental issues and the actions required to mitigate them.



Sri. V. Bala Yesu, Lecturer in Chemistry welcomed all the participants and explained about the significance of celebrating the World Ozone Day and how to protect it by discarding some of the daily used items containing HFCs.



A question was asked to the students with the intention of making the students' involvement talkative. **What's A HOLE in the OZONE?**. Later he explained the answer to that question with a small cartoon picture and made everyone laugh.



Sri. D. Sivaphanindra, Lecturer in Computer Science, explained the hole of ozone layer in detail to everyone. He explains how ozone got its name and what it means and also the Ozone hole concept.

Ozone Hole: Decrease in thickness of ozone layer in stratosphere is called Ozone hole.

Ozone Meaning: The word itself is derived from the Greek ozein, which means 'to smell'. Ozone has a distinctive smell that humans can detect even in small concentrations — as few as 10 parts per billion.



Sri. B. Nageswara Rao, Lecturer in Physics said that the main purpose of this session was to make the students aware about depletion of Ozone Layer, avoid buying and using aerosols and spray having CFC, prohibiting the usage of nitrous oxide, discourage driving of private vehicles, conduct regular inspection and maintenance of air conditioners in order to prevent and minimize refrigerant leakage. The main aim of this awareness drive is to sensitize public at large about the depletion of Ozone layer.



On the special advice of the Principal, 84 plants were planted which symbolizing the product of three oxygens in ozone and the twenty-eight-year-old Montreal Protocol ($28 \times 3 = 84$).



Photo Gallery



