

A.G & S.G Siddhartha Degree College of Arts & Science, Vuyyuru

## **DEPARTMENT OF PHYSICS**

### **GUEST LECTURES**

Academic Year 2018-19

**NAME OF THE EVENT : GUEST LECTURE -1**

- **Topic :** Importance of ozone layer
- **Date Conducted :** 15/9/2018
- **Name and Designation of the Resource person:**  
Sri Ramakanth (municipal commissioner, vuyyuru)
- **Report on the guest lecture :**

**Objectives :**

To develop the awareness on importance of ozone layer among students.

**Notes on lecture :**

We are the blessed ones to have life on mother earth. But today, this mother earth is getting heated because of man made things. One of the consequences is the depletion of ozone layer. Being an educated one all of us know the consequences of the depletion of ozone layer. This heavily impacts on human health. In this condition everyone should be aware about this. For bringing awareness among students, Physics department organised Guest lecture.

**Outcome :**

students are able to understand the importance of Ozone layer .

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**NAME OF THE EVENT : GUEST LECTURE -2**

**2019-20**

- **Topic :** STEM (Science Technology Engineering and Mathematics)
- **Date Conducted:** 14<sup>th</sup> November, 2019.
- **Name and Designation of the Resource person:**  
Sri M.Seshagiri Rao, Financial Advisor, Prudential Insurance Company of America .
- **Report on the guest lecture :**

**Objectives :**

To develop the awareness on “STEM” (Science, Technology, Engineering and Mathematics) among students.

**Notes on lecture:**

STEM initiative is designed to strengthen Science, Technology, and Engineering and Mathematics education in colleges. STEM, in full science, technology, engineering, and mathematics field and curriculum centred on education in the disciplines of science, technology, engineering and mathematics.

**Outcome :**

Students are able to understand the need STEM education.

**Sri M.Seshagiri Rao Delivering his speech on STEM education**



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**NAME OF THE EVENT: GUEST LECTURE -3**

**2019-20**

- **Topic :** “ Renewable Energy-Solar Panel Manufacturing & Installation ”
- **Date Conducted :** **04-07-2019**
- **Name and Designation of the Resource person:**  
N.V.S. Teja Kumar, Sunrays Green Power Solutions, Bhattiprolu, Guntur District.
- **Report on the guest lecture :**

**Objectives :**

To develop the awareness on Renewable Energy - Solar Panel Manufacturing & Installation among students.

**Notes on lecture :**

In today's climate of growing energy needs and increasing environmental concern, alternatives to the use of non-renewable and polluting fossil fuels have to be investigated. One such alternative is solar energy. It is a **RENEWABLE SOURCE OF ENERGY** .

Solar energy powers the environment and life on the planet so there's no energy source more earth-friendly. Compared to the burning of fossil fuels, which release greenhouse gases, and carbon dioxide, solar cells do not release anything harmful into the air as they convert the sun's energy into electricity.

**Outcome :**

- 1) students are able to understand the need of Renewable Energy sources.
- 2) students are able to understand the installation process of solar cells .

**U.Ram Prasad, HOD of Physics Dept, N.V.S. Teja Kumar of Sunrays Green Power Solutions Delivering their speech on solar panels installation .**



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**NAME OF THE EVENT: GUEST LECTURE-4**

**2020-21**

- **Topic:** Emission of Light Past, Present and Future
- **Date Conducted:** 21-12-2020
- **Name and Designation of the Resource person:** Prof.K.V.R.Murthy,President of fellow Luminiscence Society of India, Applied Physics Department,M.S.University of Baroda, Baroda.
- **Report on the guest lecture:**

**Objectives :**

To develop awareness of changes in Emission of Light Past, Present and Future

**Notes on lecture:**

Light plays a vital role in our daily lives and is an imperative cross-cutting discipline of science in the 21st century. It has revolutionized medicine, opened up international communication via the Internet, and continues to be central to linking cultural, economic and political aspects of the global society.

First studies of optics 1,000 years ago to discoveries in optical communications that power the Internet today.

**Outcome :**

- 1) Students learned about the changes of Emission of Light in Past, Present and Future .
- 2) Their knowledge on emission of light and the properties of light also increased .
- 3) The characteristics of light also observed and noticed .

**Prof.K.V.R.Murthy,President of fellow Luminescence Society of India, Applied Physics Department,M.S.University of Baroda, Baroda Delivering his speech on Emission of Light Past, Present and Future .**



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**NAME OF THE EVENT: GUEST LECTURE – 5**

**2022-23**

- **Topic:** Amplitude Modulation
- **Date Conducted:** 26-10-2022
- **Name and Designation of the Resource person:**

P.V.Ramana, Sri DNR Govt. Degree(W) College, Palakollu

**Report on the guest lecture:**

**Objectives:**

- 1) Creating an amplitude modulated signal.
- 2) Comparing the modulated signal and the demodulated wave envelope.
- 3) Measuring the power and frequency of the carrier wave.
- 4) Measuring the power and frequency of the modulation coefficient.

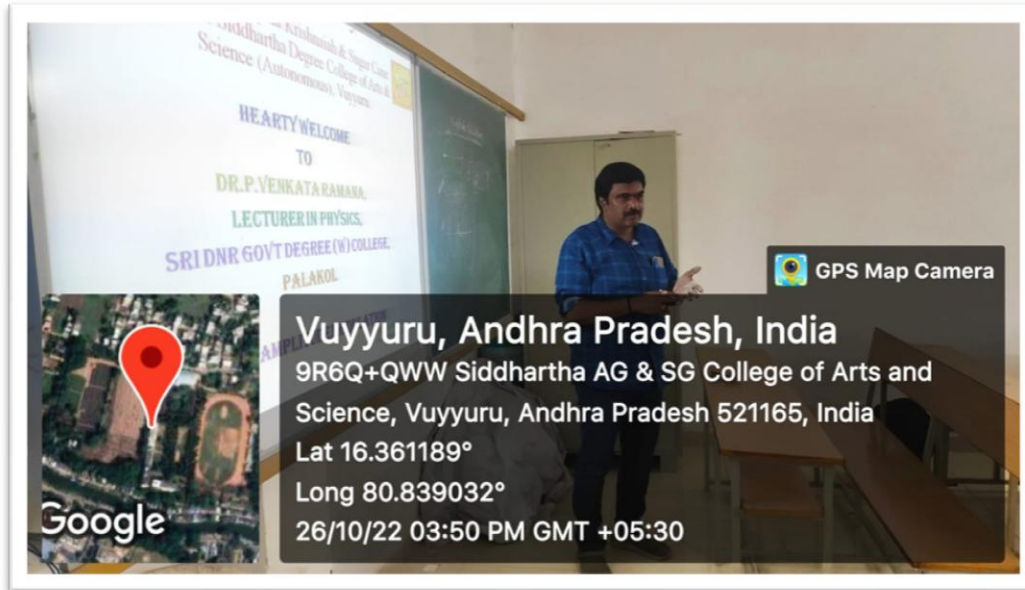
**Notes on lecture:**

Amplitude modulation is the method of transmitting wave signals by changing the signal's amplitude. Amplitude modulation (AM) is another name for amplitude modulation. It has frequent application in data transmission over a radio carrier wave and has typical use in electronic communication.

**Outcome:**

- 1) students are able to understand the importance of Amplitude Modulation
- 2) The applications of amplitude modulation also observed .

**P.V.Ramana, Sri DNR Govt. Degree(W) College, Palakollu Delivering his speech on Amplitude Modulation**



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**NAME OF THE EVENT: GUEST LECTURE- 6**

**2022-23**

- **Topic:** Awareness on Internships
- **Date Conducted:** 26-10-2022
- **Name of the Resource person:**

**Dr.M.Rami Reddy**, Registrar, Krishna University, Machilipatnam

Report on the guest lecture:

**Objectives:**

Internships help students learn all about workplace culture, employee relations, and leadership structure, which should help them on board in their first professional job with more ease than if they haven't had professional experience.

**Notes on lecture:**

Internships are an opportunity to network with great people and sharpen your skills before entering the workforce. They also help tremendously with figuring out your true passion. An internship gives a student the opportunity for career exploration and development, and to learn new skills. It offers the employer the opportunity to bring new ideas and energy into the workplace, develop talent and potentially build a pipeline for future full-time employees.

**Outcome:**

Student learned Access to a variety of tasks and departments, mentorship, Build a strong Resume



**Dr.M.Rami Reddy, Registrar, Krishna University, Machilipatnam Delivering his speech on Awareness on Internships**

