

A.G & S.G Siddhartha Degree College for Arts & Science
(Autonomous), Vuyyuru-521165

2022-2023

Name of the event: Guest Lecture

Topic: Biotechnology

Date Conducted: 30/01/2023

Name and designation of the resource person: Dr. P.Veera Brammachari

Report on the guest lecture:

1. Objectives: To develop students' ability to apply knowledge and skills to solve theoretical and practical problems in biology and biotechnology.

2. Notes on lecture:

- appreciate the importance of biotechnology in human welfare and explain the use of biotechnology in industry;
- list the microbes used in the industry and the products manufactured through their use;
- Fermentation and outline the process of making alcohol by using microorganisms.
- Describe the process of making yoghurt and cheese on a large scale.
- Explain the contribution of microorganisms in making antibiotics and vaccines, define genetic engineering and mention its utility.
- Define transgenic organisms, mention the steps in their production and cite a few examples of transgenic plants and animals.
- Explain the process and importance of gene therapy and bioremediation and biopesticides.

3. Outcome: enrich students' knowledge and train them in various branches of Biotechnology such as genetics, molecular biology, biochemistry, immunology, fermentation technology, and environmental biotechnology and tissue culture techniques.



Dr. P.Veera Brammachari delivered a guest lecture on **Biotechnology**



Dr. P.Veera Brammachari garu interaction with students