

Virtual Collaborative Workshop

On

“Understanding Biochemical Techniques & Its Applications”

14.09.2021 To 22.09.2021

An IQAC Initiative
for Advanced
Learners of UG
Programme



Department of Chemistry & Microbiology
Govt. V.Y.T. PG Autonomous College Durg (C.G.)
In Association with
Codon Biotech Pvt. Ltd., Noida (U.P.)



Department of Microbiology strives to set a benchmark in quality higher education with an emphasis on preparing the students to face the world outside in a designed manner. Considering recent innovations and rapid growth of study approach, students are motivated to participate in interdepartmental programs. The Dept. is also aimed to provide a sound academic background for overall development of personality for a successful career in Microbiology and to provide environment for continuous improvement and innovation in the subject.



Department of Chemistry strives to achieve its prime objective - to produce and train technical and scientific personnel of the highest order of excellence having scientific aptitude. The dept. is committed for transforming the hopes and dreams of diverse individuals into reality by providing value added quality education, promoting innovative curriculum development, exposing students to advances in Chemical Sciences, offering guidance in acquiring theoretical and practical skills and creating an exceptional learning environment that would groom total personality.

Codon Biotech Private Limited is a leading company providing various services including manufacturing, testing kits, trainings and placements for budding scientists. It has sophisticated laboratory facilities where advanced research work is being carried out to keep in pace with the recent advancements like Proteomics, Genomics, DNA Forensics, Immuno-technology, Recombinant DNA Technology, Plant Tissue Culture and Microbial Technology.

The company also has tie up with several other Biotech companies specializing in different aspects of Biotechnology. Job opportunities can be provided in these corporate entities for select qualified candidates.

Activity Topics:



1. Preparation of Buffer & Protein extraction from animal tissue.

2. Estimation of Total Protein By Lowry's Method.

3. Estimation of Sugar through DNS (Di nitro salicylic acid) method.

4. Estimation of Serum Glucose by GOD – POD method.

5. Synthesis of Nanoparticles.

6. Qualitative Water Analysis.

7. Thin Layer Chromatography.

8. Detection of Milk adulterations

9. Amylase estimation & Analysis