

## **INDUSTRIAL VISIT**

### **2021-22**

#### **Educational visit to Vimta Labs, Hyderabad**

#### **BSc II and III year MBBC Students**

#### **17<sup>th</sup> November, 2021**

The Department of Biochemistry organized an educational visit to Vimta Labs, Cherlapally, Hyderabad one of the leading CRO (Clinical Research Company) in India under DBT Star College scheme on 17<sup>th</sup> November, 2021. Total of 34 students from second and third year of B.Sc MBBC were accompanied with two faculty Mrs. D. Rajani and Mrs. S. Vanitha.

In Vimta labs, students were briefed about the facilities available, research and developmental services that they provide to global companies. Students were divided into groups and taken to different laboratories.

In the histopathology lab, students were explained and demonstrated about tissue processing steps, fixing the specimen in paraffin wax block and slicing the specimen up to 3 or 5 microns thick using a microtome and then staining. In the clinical microbiology department, students were explained about the working principle of BACTEC-9050 used to process blood culture and BACTEC MGIT-960 which detects presence of mycobacteria in the samples. Later, students were explained about role of accessioning department in receiving the samples with their appropriate conditions, sorting and entering the data in the Laboratory Information system.

Finally in the biochemistry and Immunochemistry department, students had the opportunity to know about the use of highly automated high throughput machines that were used for performing various clinical parameter analysis. Few are Immulite 2000 used to screen the maternal markers during the first trimester to check for abnormality in the foetus, Centaur XP used for immunoassays. Beckman Coulter DXL 800 to screen samples of infertility individuals, Atellica used to perform biochemical parameters and immunoassays. Clinical pathology section students were explained about ACL TOP and Tosoh G11 to determine blood coagulation factors and haemoglobin variants respectively. TORCH (Toxoplasmosis, Rubella, Cytomegalovirus, Herpes Simplex and HIV) testing using DiaSorin and FACS, Karyotyping and FISH were explained.

Students expressed their happiness for having an enriching and knowledgeable experience at Vimta Labs.



