

GOVERNMENT ENGINEERING COLLEGE, VALSAD  
CHEMICAL ENGINEERING DEPARTMENT

**Report**

on

Virtual Industrial visit

At

**Omnibrx Biotechnologies private limited, Ahmedabad**

29 OCTOBER 2020

## Details of Virtual Industrial Visit

**Name of industry:** Omnibrx Biotechnologies private limited

**Date of Visit:** 29-10-2020

**Name of department:** Chemical Engineering department

**Number of Participants:** 119

**Event coordinators:** Dr N. M. Patel, Prof A. R. Magodara & Dr. S. K. Shrivastava

**Objectives of industrial visit:**

- To demonstrate upstream bio-processing solutions.
- To demonstrate the working & operations of bio-reactors involved in the bio-processing and understand the importance of Chemical engineering and the role of Chemical Engineer in bio-processing.

### Event description:

The Department of Chemical Engineering organized a virtual industrial visit to **Omnibrx Biotechnologies private limited** on 29th October, 2020. The visit was organised for all students (Semester-3, 5, 7) of chemical engineering department. The visit comprised 119 students and faculty members of chemical engineering department. Omnibrx Biotechnologies private limited is a biotech company specifically focused on upstream bio-processing solutions and deals with the bio-processing market with the most advanced, efficient and scalable CellBRx™ range of bioreactors for bio-processing. They manufacture automated single-use perfusion bioreactor systems and provide custom services for GMP production from pre-clinical to commercial in mg to kg quantities.

In context to virtual visit, Dr. N. M. Patel, Head, Chemical Engineering visited the plant along with Mr Ravi Patel. The demonstration of whole plant was carryout though Microsoft Team App. The students have gone through the whole bio-processing plant wherein, they have been showed working and operation of the bio-reactors. Furthermore, students have seen R& D section wherein, they saw various sophisticated instruments such as FTIR, NMR, and Gas Chromatography etc used

for quality check and witness each and every aspect associated with the working of aforementioned instruments. In addition to that regular discussion on each and every point was made by Dr. N. M. Patel for better understanding of the bio-process to the students. Finally, questions and answer session was put up at the end of visit. Students have asked various questions about the industry and its working to Mr Ravi Patel. He replied each answer very pleasantly. Eventually, the visit proved to be fruitful for the students and satisfied its objective of demonstrating various roles of Chemical engineering and Chemical engineer in the bio-processing plant.

## Glimpses of virtual industrial visit

