

**Report on Industrial Visit at
Sun Pharma Advanced Research Company
(SPARC), Vadodara**



MAY 3,2023
MALIBA PHARMACY COLLEGE

Report on Industrial Visit at Sun Pharma Advanced Research Company (SPARC), Vadodara

Date of visit	3 rd May,2023
Place of visit	Sun Pharma Advanced Research Company, Gujarat
Coordinator from college	Dr. Pranav J. Shah
Approved by	Dr. Shailesh A. Shah, Principal
Accompanying faculty member	Dr. Pranav J. Shah
Participating students	Thirteen students of second semester M. Pharm (Department of Pharmaceutics)

An Industrial visit at Sun Pharma Advanced Research Company was organized by Maliba Pharmacy College on 3rd May 2023. There were 13 students of first year M. Pharm who actively participated in the visit which was successfully coordinated by Dr. Pranav J Shah. Sun Pharma Advanced Research Company (SPARC) is a clinical stage bio-pharmaceutical company focused on continuously improving standards of care for patients globally. We started our journey at 5:30 AM from Surat and reached our destination at 9:45 AM. HR personnel of the industry welcomed us and guided us to the seminar room where the students were introduced to other members participating in our field trip. A brief introduction about industry was given by GC Head of Analytical Department, he introduced students to the various department and a briefing of the history and team of Sun Pharma and the overall departments present on the campus was done via a presentation.

The students were guided along for the visit and interaction with the industrial environment. The HR personnel and respective representatives of different departments guided students to visit analytical department, biotechnology department and formulation department in the building. In all departments, students were given information regarding their respective department and the guiding staff were interactive and made communication at ease for all the students.

While visiting analytical department the guiding staff explained about the various instruments they had and used for the estimation for efficient and effective detection and characterization of pharmaceutical ingredients of various products. The students were given short and informative description about NMR, HPLC, Gas Chromatography and other analytical tools and equipments which were used in their department.

After that, we proceeded to biotechnology department where the guiding staff briefed us about the major 4 areas required for the department to function at their best that were upstream lab, downstream lab, cell culture lab, molecular lab and analytical lab where various instruments were shown and a brief function of the department was done by the guiding staff. The staff working in these departments were properly gowned and made sure the aseptic conditions were maintained all along. The students were also shown SDS PAGE gel and the separation bands of various DNA fragments.

Lastly, we visited formulation department of solid orals and various tablet granulation techniques, granulation equipment such as rapid mixer granulator, fluidized bed drier, different steps used during granulation, coating instruments, types of compression machines, IPQC area and the whole process of tablet punching was explained and various areas related to the process were shown to students.

After each department visit, we clicked photo with the respective staff representative and all along the HR personnel of the industry was guiding us. After the visit, we all gathered at the seminar room, they offered us delicious lunch. After lunch, students clicked pictures at the industry campus and then we left the place by 1:00 PM.



