

**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

<b>Date of visit</b>	3 <sup>rd</sup> May, 2023
<b>Place of visit</b>	Sun Pharma Advanced Research Company, Gujarat
<b>Coordinator from college</b>	Dr. Pranav J. Shah
<b>Approved by</b>	Dr. Shailesh A. Shah, Principal
<b>Accompanying faculty member</b>	Dr. Pranav J. Shah
<b>Participating students</b>	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 3<sup>rd</sup> 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 the industry was given by GC Head of Analytical Department, he introduced students to the various departments 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 the analytical department, biotechnology department and formulation department in the building. In all departments, students were given information regarding their respective departments and the guiding staff were interactive and made communication at ease for all the students.

While visiting the 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 descriptions about NMR, HPLC, Gas Chromatography and other analytical tools and equipments which were used in their department.

After that, we proceeded to the 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.



