

REPORT ON INDUSTRIAL VISIT

at

JAY RESEARCH FOUNDATION (JRF)

**NH-48, Near Daman Ganga Bridge Valvada – 396 105, Gujarat,
India.**



Date: 26th November 2022

**From: Maliba Pharmacy College, Uka Tarsadia University, Gopal
Vidhyanagar, Bardoli - Mahuva Road, Tarsadi, Surat, Gujarat –
394350**

Report on industrial visit to Jay Research Foundation (JRF)

Date of visit	26 th November 2022
Place of visit	Jay Research Foundation (JRF)
Coordinators from college	Dr. Bhavin A. Vyas, Dr. Renu S. Chauhan Mr. Trupal Rathod, Mr. Praful Dedhiya
Approved By	Dr. Shailesh Shah, Principal
Participating students	17 students of Third Semester M.Pharm (Pharmaceutics, Pharmaceutical Quality Assurance & Pharmacology)
Accompanying faculty members	Dr. Ditixa Desai Dr. Bhargavi Desai
Coordinators from industry	Mr. Akshya Gouda, Head, HR, Contact: 9909900915 Dr. Manish V. Patel, Deputy Director, Toxicology, Contact: 9909900936

In context of "Pharmacy Week" Celebration, the Educational visit to Jay Research Foundation (JRF), Valvada was organized by Maliba Pharmacy College on 26th November 2022. A total of 17 students of Third Semester M.Pharm along with two faculty members have joined this visit. We started our journey at 2:30 pm. from Sidmak Laboratories and reached our destination at 3 pm. As we arrived at Jay Research Foundation (JRF), the Covid-19 formalities were done as per the company's protocol.

Jai Research Foundation, a pre-clinical Contract Research Organization located in Vapi, Gujarat, India with enormous experience exceeding 39 years. The facility comprises over 158,000 Sq. Ft. of floor space accommodating dedicated laboratories for Toxicology, Product Chemistry, Analytical and Residue Chemistry, Ecotoxicology, Environmental fate, and metabolism studies. The facilities in toxicology have areas dedicated to the various types of animals in full compliance with the AAALAC requirements. The facility also consists of a unique state-of-the-art environment controlled Barrier Maintained Rodent facility for Toxicology research and a class 10,000 facility for in vitro studies. The environmental conditions are monitored on a 24/7 basis.

They offer comprehensive services in Toxicology, Chemistry, Environmental Fate and Metabolism, Residue, Eco-toxicology, and other allied services in compliance with various regulatory guidelines like GCR / KCR, Schedule Y, OCSPP / OPPTS, OECD, ICH, EMEA, JMAFF, SANCO, SETAC, FAO, WHO, ASTM, ABNT-NBR, etc.

We were accommodated in a seminar room, the session was started by Mr. Govind. He gave brief introduction regarding the company profile and principles. Then the presentation was continued by Mr. Ramesh Parmar who gave an overview of different types of studies conducted in the company like types of toxicity study, irritation study, Sensitivity study, Invitro study, etc.

Then the students were asked to divide themselves into 2 groups. One group was taken to the test item control office (TICO) & the other group to the pathology section under the guidance of Mr. Ramesh Parmar (trainer 1) and trainer 2 respectively.

The first, we visited was the test item control office (TICO) where we were taken to a gowning room and provided with gowns, caps, and shoe covers, several posters were there instructing the proper gowning procedure. In this section, we got to learn about types of TICO for pharmaceuticals, Industrial, and agrochemicals. Also, we got to learn about how to archive data from research work, and the time duration for storage of archive copies according to the GLP cycle. Also got information about the 5S system followed by the company. This 5S system originated in Japan and the industry strictly follows that.

Then we headed to the return corridor (RC) area where 32 animal handling rooms are present and that area is restricted to non-staff persons. In the RC area, we learn about the different coding systems on infrastructure and the provision of agar plates to monitor microorganism growth in that particular area which is included in the Japanese 5S system. We saw different machines like steam sterilizers for sterilization of the bedding system of animals, and RO water system for feeding. There is in-house breeding is also performed as per official norms and conditions.

Then we headed to the BMR facility and learn a few tips related to the documentation of research data. We got to learn about the types of housing systems like conventional and individual and the difference between them. There is a different color coding labelling system on the cages of the animals according to the level of dosing. Different colors of coding indicate the control group, low, medium, and high doses.

The whole system of data storage is paperless. They fully established the automatic data monitoring and recording system to avoid human errors.

Then we headed to the different rooms which are allotted to animals like rats, mice, dogs, fish, pigs, etc. We saw the facility provided to animals like a soothing music system, fumes controller, temperature and humidity monitoring devices, pressure gauges, etc. All the facilities are according to the guidelines of GLP.

Then we headed to the pathology department where we got to know about euthanasia, Necropsy, etc. We also got to know about mutagenicity and histological research work. Then went to the ecotoxicology department which was explained by employee Ms. Vaishnavi.

Then we headed to the chemistry department where we saw sophisticated instruments including HPLC, LC-MS/MS, GC-MS, etc.

The two groups were made to reassemble with their respective guides. They had also arranged refreshment for us. After refreshment, Dr. Manish gave guidance regarding the GLP practices. He gave guidance about the clinical stream and future perspective and emerging demands of clinical research. Lastly, on a friendly note, they encouraged us to excel in our pharmacy career and that we were free to approach them for the same.

After that Dr. Manish was felicitated by our professor Dr. Bhargavi Desai with a gift as a token of thanks. Lastly, we ended the visit by clicking a group photograph at 6:15 pm and we moved out of the industry.

Prepared by: Third Semester M.Pharm

Date: 28th November 2022



Group photo of faculties and students at entrance of JRF, Valvada