

# Industrial Visit Report

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## Department of Chemistry, Uka Tarsadia University, Maliba Campus

**Industry Visited** : IPCA Laboratories Plot No. 255/1, Village – Athal, Dadra & Nagar  
Haveli, Silvassa – 396 230

Mrs. Prashila Patel, Production Head and D. P. Singh HR DGM

**Date** : 8<sup>th</sup> September 2018

**Transportation** : University Buses (Two)

**Students** : Total 99 students of SEM III (44 Girls + 55 Boys)  
(MSc-Pharmaceutical, Industrial and Organic Chemistry)

**Faculty Accompanied:** (02 F + 05 M)

Dr. Sutapa Mondal Roy; Dr. Jyoti Singh,

Dr. Nilesh Pandya; Dr. Dharmesh Chejara,

Dr. Sharad Patil; Dr. Chintan Patel,

Dr. Harishchandra Jirimali

**Coordinator** : Dr. Harishchandra Jirimali

**Co-coordinators** : Dr. Parth Naik, Dr. Nilesh Pandya, Dr. Amrut Prajapat



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## Industry Profile

For more than 60 years, Ipca has been partnering healthcare globally in over 120 countries and in markets as diverse as Africa, Asia, Australia, Europe and the US. Ipca is a fully-integrated Indian pharmaceutical company manufacturing over 350 formulations and 80 APIs for various therapeutic segments. IPCA is a world's largest manufacturers and suppliers of over a dozen APIs. These are produced right from the basic stage at manufacturing facilities inspected by the world's most discerning drug regulatory authorities like US-FDA, UK-MHRA, EDQM-Europe, WHO-Geneva and many more. Ipca is a therapy leader in India for anti-malarials with a market-share of over 34% with a fast expanding presence in the international market as well. We also lead in DMARDs (Disease Modifying Anti-Rheumatic Drugs) treatment for rheumatoid arthritis. We have leading brands in 5 therapeutic areas, with 3 of our branded formulations being ranked among the Top-300 Indian brands by ORG-IMS.

### Athal, Silvassa



- **Operational Since:** October 1995
- **Manufacturing:** Formulations : Tablets & Capsules
- **Catering To:** United Kingdom, Europe, South Africa, Australia, New Zealand, Canada and RoW countries.
- **Address:** Plot No. 255/1, Village – Athal, Dadra & Nagar Haveli, Silvassa – 396230
- ISO 9001 certified plant

( Ref <https://www.ipca.com/active-pharmaceutical-ingredients-manufacturers-about-us.html> )

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## **Purpose of Industrial Visit**

- 1) To interact the students with actual industry personals.
- 2) To make them aware of the industrial procedures required to enter in any company.
- 3) To experience the working environment in industry and visualize the all the important Departments in the Industry.
- 4) Interaction of students with the peoples of all important departments.
- 5) To prepare the students for the selection of carrier path in different departments of industry.

## **Strength behind the visit**

Honorable Provost Dr. D. R. Shah Sir has approved the industrial visit and encouraged the committee for organizing similar kind of activities for the benefit of students.

Training and placement cell recently organized an Industry University Interface Program at Uka Tarsadiya University, at that time many experts from the industries has suggested that students of final year MSc should visit the industries to experience the actual working environment and the processes. IPCA production head Dr. Prashilaben Patel has also suggested the industrial visit for the chemistry students will be helpful to face the interviews.

Dr. Parth Naik and Dr. Bhavin Patel has taken continuous follow-up with IPCA to organize this Industrial visit, Dr. Paresh patel, Dr. Anand Patel and Incharge director Dr. Ajit Joshi has encourage the students to participate in the Industrial Visit. All the faculty members of the Department of Chemistry supported this tour (Dr. Satyanarayan Batula, Dr. Rajamouli , Dr. Amrut Prajapati, Dr. Pramod Patil, Dr. Anand Patel, Ms Rutu Patel, Mr. Dipen Desai, Nisha Odedara, Ms. Meghana Panchal and all the teaching and non-teaching staff, student volunteers have supported this tour).

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## Ground report

According to the route and time plan two busses were departed and reached the IPCA laboratories silvasa at 11:00 am. The Security officer welcomed the busses and guided for the entry in formulation plant and seminar rooms. Two batches of the students were divided and one batch was headed for formulation plant and second batch was entered in seminar room. Lecture room was very sophisticated where the tea and biscuits were served for the students during the lecture. The PPT presentation was very informative with the introduction of company profile and principles. The important processes of the manufacturing of the tablets and capsules were explained. They cover each and every small aspect of the tablet making by giving day to day life examples. Many students have asked the queries and the instructor has solved them very cleverly and politely. After seminar the students were headed for the delicious lunch provided by IPCA without any charge. After lunch second batch moved for the formulation plant visit where **Mr. Chirag Jain** has guided all the students how to keep a safety and sterilized aprons. He started with the granulation plant where he explained all the equipment and procedures used in the granulations. Also he has explained the strict regulations followed in weighing of the all required chemicals used in the formulation. After granulation unit, batch was moved for the actual tablet making machines, all the machines were of automatic and with high efficiency. Some machines had finished the batches and some were in actual working conditions. In the continuation there was a tablet coating unit all the students have seen and understood the procedures of tablet coating. In the second last part the batch was gone for the packing zone, there all the students have seen all types of pharmaceutical packaging as primary, secondary and tertiary packaging units. The last part of the plant visit was store house where Mr. Shukla has

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explained the guideline of the store house and important symbols on the stored materials. He also given a demo of how to load and unload the stacks of the materials by using automated cart. All the students were gathered at the main gate for the departure, where Production head Dr. Prashila Ma'am and HR Head Mr D. P. Singh took a group photo with students and all the faculty and promised to continue this activity every year for the benefit of the students. Also Dr. Prashila Ma'am inspired the student about the working of women in formulation plants, how to choose a carrier and many other important aspects related to interview. Buses were departed from the IPCA to the respective routes as earlier decided and reached safely to respective places.

### *1) Motivational address by Vice president IPCA .....*





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## 2) Introduction lecture in IPCA conference hall.....



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### 3. *IPCA Officers with students , interaction at the main gate.....*



### 4. *IPCA Officers with students, interaction at the main gate.....*





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### 5. *IPCA Officers with Faculty members at the entrance of IPCA.....*



### 6. *Light moment of students with Dr. Prashilaben Patel.....*






7. *Light moment of students with Dr. D. P. Sing.....*



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### Students Review about the Industrial visit

 <p>Mousam H. Patel M.Sc Organic Chemistry</p>	<p>Industrial visit to IPCA laboratories, Athal was a good experience which provided us exposure to the industrial life linking theoretical knowledge and practical. The plant is formulating oral solids – particularly tablets and capsules. This visit improved our knowledge of various instruments presently being used and the hygienic conditions that are essential for a Pharmaceutical Industry. We were taken through Raw Material Storage units, Compression Units, Auto coaters, Capsule filling units, Packaging facilities etc. Though being an Organic chemistry student some terminologies were unknown for us, but ultimately we learned something new. So it was a very fruitful experience. I am sure this visit will help us in our future life.</p>
 <p>Harshil S. Bhatt M.Sc Organic chemistry</p>	<p>It was a wonderful experience which merged our theoretical learning with the practical skills. The unit is formulating tablets and capsules. This visit taught us many things, especially the hygiene, discipline and dedication for our work in pharmaceuticals. Also got idea regarding the instruments currently being used in industries. Though being an organic chemistry student still learned many things. Surely this visit would be very helpful, as we would be stepping in industry in nearby future. Furthermore hoping for other such visits to intermediate industries so can get idea regarding other departments (R&amp;D, QA, Production, etc).</p>

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 Mitesh S. Bhagat M.Sc Organic Chemistry	It was a very good experience for me as well as for all other students. A huge bulk of students for industrial visit is impossible but our department made it possible. The members of IPCA Ltd. gave a very quick response to students. We learned so many thing such as API storage, Formulation, Tablet packaging. They gave a proper knowledge about the whole process of formulation.
 Preeti B. Bhalodiya M.SC Pharmaceutical chemistry	The experience to visit IPCA Laboratories , Athal was very nice. We got the whole knowledge of formulation plant. Also we experienced that how formulation process is carried out in the plants and also learned about safety point that are important for working in formulation industries. Overall it was a wonderful and knowledgeable experience for me.
 Anuraag Moturi M.Sc Industrial Chemistry	The visit to IPCA Laboratories, Athal has been a really enlightening and amazing experience. We got to see a whole new world that we will be facing in the short coming future. The knowledge gained at IPCA has indeed been a life experience not only for me but for our entire group.

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