

## Academia-Industry Interface (AII-2020)

### Context:

Department of Chemistry in association with Training & Placement Cell of Uka Tarsadia University organized Academia – Industry Interface – 2020 (AII-2020) on Friday 13<sup>th</sup> March 2020 at Pushpam Tarsadia Hall, UTU, Bardoli. The purpose of AII-2020 was to form a bridge between Industry & University. The personnel of different departments from various industries were invited for the expert talk and to develop the interactions with faculties & students.



The program was initiated by the welcome greetings to all dignitaries with UTU anthem followed by lamp lightening in presence of all the Honorable delegates from the various industries and eminent personalities of the UTU,

Prof. Shailesh Shah, Dr. N.C. Shah and Dr. Rajkumar Patil. After floral welcome of all the dignitaries on the Dias, the programme is then addressed by Dr Paresh N. Patel (I/C Director, Department of Chemistry, UTU). He provided



audience with information about the Department of chemistry in respect to Number of students, Types of courses and specializations, Profile of Faculties and individual contributions in research at national and international level, Research facilities, Publications, Research grants received and contributions of Department in solving real social problems. Dr. Nilesh Pandya briefed objectives of AII-2020. He mentioned how relations between industry and academia are important to accommodate talented persons for leading innovations and making collaborations and

their advantages to both the sectors and also, he emphasized how to improve these relations.

Then, Dr. N. C. Shah (T&P Cell Chairman, UTU) expressed his views and experiences of these relations and their requirement for the society & nation development. Firstly, he congratulated the team of Department of Chemistry, UTU for organization of this event. He continued on the types of module like learning by doing should be adopted by the academic organizations and this is current need. He requested to industrialist to come close together for better development. He added that there should be a



partnership between these two to understand the problems of society. He also guided the students regarding the view, skills, focus and positive attitude

during study with carrier goals and how he/she will be absorbed in the industrial organizations for better development of nation.



Lastly Prof. Shailesh A. Shah (Dean & Director of UTU) has expressed his views about interface between academia and industry. He guided the students about knowledge and skills required to get absorbed in industry. As per the current requirements how students can be trained if industry and academic people come together, he added. He also mentioned such meet definitely decrease the gap between the academia and industry. He also added how relationship through conducting industrial basic

research in the academia may increase the interactions and collaborations between the two.

Later, the expertise from different department of industries Dr. Mayur Khunt (President, Zandu Chemicals), Mrs. Prashila Patel (DGM, Production, IPCA Laboratories Pvt. Ltd), Dr. Amit Mondal (Vice President Quality Control, CTX Ltd.), Dr. Nikul Patel (Director, Nicksan Pharma) and Dr. Manish Dave (Head, Quality Assurance, QA, Lupin), highlighted the points include, how to prepare for the interviews, , technical/ research aptitude, soft skills, what are the requirements of industry and employability skills to provide students more exposure and improve their professional skills. Thus, they may reach to the expectations of industry requirements. This is an extreme opportunity to students to prepare them solely for future direction. Industrial delegates are given many directions to their future carrier.

### **Technical Session**

➤ **Dr. Mayur Khunt (President, Zandu Chemicals)**

The title of his presentation was “Function & Role of R&D in Pharmaceutical industry”. Dr. Khunt started with introducing Zandu Chemicals Ltd. He shared his past views and experiences in the field of R&D as a Chemistry student. He continued presentation regarding the strength, types of reactions carried out in R&D division, what types of skills student should have to sustain and effectively work in R&D sector of any industry and why audit is important in industry. He also discussed about how positive attitude and



approach, effectiveness and time management, out of box thinking, myths etc. are important in industry while working as a team.

By taking examples of drug discovered by various industries with the help of academicians he guided the students and faculty how they can contribute for drug and design development and how rights can be protected in the form of patents. He emphasized on how basic knowledge of chemistry (stereochemistry) is important in novel drug design. Finally, the talk concluded with emphasis on importance of research approach and practical knowledge of students if they want to work in industry.

➤ **Mrs. Prashila Patel (DGM, Production, IPCA Laboratories Pvt. Ltd)**

Mrs. Patel talked on “Good laboratory practices (GLP) followed in industry”. She started with history of GLP and how it comes in practice for better development in industries. She discussed about the importance of GLP in industry, at various departments. She gave a full scenario for the

implementation of GLP in pharmaceutical as well as in other industries. She also explained various aspects of calibration of instruments used in the production and formulation of API drug molecule. Moreover, she described different types of processes involved in production and formulation of drugs. She also highlighted how FDA holds on industrial manufacturing process in accordance with GLP.



She guided the students on how practical attitude in academia will be beneficial to them during work in industrial organizations.

➤ **Dr. Amit Mondal (Vice President, Quality Control, CTX Ltd.)**

Dr. Mondal gave a very inspirational talk to the students. Basically, as per



quality point of view, he expressed his views in context of how quality is important in the market for each and every product of industry. He continued his speech on, while working in industry what mentality, attitude and devotion should you have for better output. He differentiated problems associated with drug design and development at R&D and Plant level. Furthermore, he extended his talk to how students can sustain in industrial organization. He guided the

students regarding the job type selection and how to improve your knowledge and experience in way that would benefit both industry and the employee. He also added the importance of hard work and sincerity in students when working in industry.

➤ **Dr. Nikul Patel (Director, Nicksan Pharma)**

Dr. Patel in his talk gave a detailed introduction of his industry and continued with brief overview of industrial organization. He nicely gave detailed idea about various types of departments in industry and how they act as a pillar of any industry for successful sustainability. He precisely explained to students regarding the various stages of drug developments and where industry will require skilled and talented manpower to solve the problems during technology transfer. Moreover, he also talked about API drug developments, custom synthesis and role of R&D industry in detail. He guided the students regarding how they can prepare for industry during practical course in academia. The role and importance of R&D was well explained by some common examples like design of razor, recipe of coca cola, etc.



➤ **Dr. Manish Dave (Head, Quality Assurance, Lupin)**

Dr. Dave began the talk with the direct interaction with the students and he



gave motivational words to the students. He quoted that if students follow the “ABCD” then they will achieve everything in life, as he defined, A-Attitude, B-Behavior, C-Communication D-Development. In addition, he also defined the Quality Assurance term as, “the process that demonstrates your product’s ability to satisfy needs of the users”. Furthermore, he described the different roles of QA department in the development of any industry. He described the QA department is one of the watchguard of the industry.

He also suggested quality system should be included in syllabus so that students will have knowledge about this system before joining industry and that will help them greatly.

### **Panel Discussion & Conclusive Remarks**

Lastly on behalf of the students, representative of UTU discussed with experts from various industrial organization. Following are some points that were discussed during panel discussion.

- How to develop soft skills into the students?
- How to prepare students for industrial organization?
- How women employability ratio would be increased in industrial organization?
- How regional employability would be balanced among the various cities in India
- What is the role of teacher in preparing students who want to work in industry?



Finally vote of thanks expressed by Dr. Nilesh Pandya to all the participants in AII-2020, UTU administration, resource persons, teachers, students and non-teaching staff.



### **Feedback from the students:**

Student's response was quite positive and they fully enjoyed this one day event. As per the opinion of students, the event was wonderfully organized and all arrangements including lunch were wonderful. The information provided by experts will help them in developing their skills and preparing them for career in industry. In addition, they realized how the concepts learned from academia are being utilized and applied in industry. These kinds of programs are very essential for students in the framing of their careers after education. They thanked management, T&P cell team of UTU and Department of Chemistry to arrange such sort of events and also, they thanked delegates from industry.

### **Students in their own words:**



**Hardik Rajesh  
Suryavanshi**  
Integrated M.Sc.  
(Analytical Chemistry)

The event was wonderfully organized and all arrangements including lunch were wonderful. I and my friends, who attended are enjoyed lot with sessions. The speakers talk is very interesting and very near to the subject. The Academia-Industry Interface (AII-2020) is very important for final year students who seeking to work in industry. Focusing on industrial problems is discussed and which are attracted the many of the students.





**Vishal Garasia**  
M.Sc. (Organic  
Chemistry)

This interface 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 would be very helpful, as we would be stepping in industry in nearby future. Furthermore hoping for other such sessions to intermediate industries so can get idea regarding other departments (R&D, QA, Production, etc).



**Korat Jignal Pareshbhai**  
Integrated M.Sc.  
(Organic Chemistry)

Academia-Industry Interface is very informative and useful to final year students. Since they are now going to be in market to choose their field of interest to work. We got exposure to actual industrial equipment and process. Learnt many new things, got aware about safety norms of pharma companies. Overall it was best experience, learnt a lot, food was amazing and yeah got chance to listen actual work culture of pharmaceutical company.



**Mansi Rasikbhai  
Thumar**  
M.Sc. (Organic  
Chemistry)

In that interface many things were new for us like to see production on bulk level, different technologies which are being using in company etc. Before this we had no idea that how these things happened. But after this session we got enough knowledge about companies' procedures etc. We are thankful to Department of Chemistry and T&P cell for made this type of sessions for us. Also my sincere thanks to Uka Tarsadia University and our faculty

members who made this possible and tried to give us theoretical/practical knowledge by this industrial exposure.



**Padshala Drashti**  
**Dhirajlal**  
M.Sc. (Pharmaceutical  
Chemistry)

It was a good experience which provided us exposure to the industrial life linking theoretical knowledge and practical.

Especially thanks to our faculty member to organize this industrial meet for us. This industrial meet was totally amazing we learned a lot about how the company works, how API, medicine prepare. I really like food and they are guiding us very well.

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## **Conclusion**

In conclusion, Academia Industry Interface-2020 was successfully organized by Department of Chemistry, Uka Tarsadia University. This one day gathering allowed students to learn about industry functions, departments, etc. The experience and information received by students during the whole day will help the ones who want to make their career in industry to better prepare and develop the skills that are expected from them when they join an industry. This event also played an important role in bridging the gap between academia and industry in sense that all stakeholders, which are industry, academia and students, were there to discuss their expectations and contributions towards development. Total of around ~580 students and ~30 faculties participated in the event from three different departments of Uka Tarsadia University while 5 experts from their respective industries were there for expert sessions. Lunch was provided to all participants and all enjoyed this event.

Memorable Moments





One Day National Seminar on  
“Academia Industry Interface – 2020”  
(AII – 2020)

13<sup>th</sup> March, 2020



Sponsored by

Organized by  
Department of Chemistry  
Uka Tarsadia University  
Bardoli – 394350, Surat, Gujarat

Venue: Pushpam Tarsadia Auditorium  
Time: 09:00am to 04:30pm  
Contact: Dr. Parth Naik (09099986593)



**AII-2020 Committee:**

**National Seminar on  
"Academia Industry Interface-2020"**

**List of Committee**

No.	Committee	Coordinators	Signature
1	Media/ Publicity and invitation	Dr. Paresh Patel Dr. Nilesh Pandya Dr. Parth Naik Ms. Jyoti Singh	
2	Stage management/ Decoration	Mr Dipen Desai Ms. Meghana Panchal	
3	Anchor	Mr. Bhavin Patel Ms. Shivani Tandel	
4	Food management	Dr Pramod Patil Dr R Kshatriya Dr. Sumit Panja Ms. Rutu Patel	
5	Photography	Dr Dharmesh Chejara Dr. Amrut Prajapat	
6	Discipline	All faculty members	
7	Hospitality, Prize / Memento's / Certificate (Designing)	Dr Ajit Joshi Dr. Satyam battula Dr. Chintan Patel	
8	Report Making	Dr. Sachin Modha Dr. Anil Gore Dr R Boddula	
9	Treasurer	Mr Bhavin Patel	
10	Escort	Dr Anand Patel	