



Industrial/Educational Visit Report



Tarsadia Institute of Chemical Science
(Formerly known as Department of Chemistry)
Uka Tarsadia University, Maliba Campus, Bardoli (Guj)

Industry Visited	: CSIR-NCL, Pune Dr. Homi Bhabha Road, Pune - 411 008, India.
Officials involved from Industry	: Dr Vincent Paul, Scientist, NCL, Pune
Date	: 7th February 2023
Transportation	: Train & Bus
Students	: Total 22 students of PhD & PG final year (9 Girls + 13 Boys)
Faculty & Staff Accompanied	: Dr Amrutlal Prajapat, Dr Anil Gore
Co-ordinator	: Dr Amrutlal Prajapat





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Institute Profile

National Chemical Laboratory (NCL), a constituent Laboratory of the Council of Scientific and Industrial Research, New Delhi was formally declared open on January 3, 1950. Conceived from the vision of the great makers of modern India, it has celebrated its 60 years of growth and existence during the year 2009-10, culminating in the Diamond Jubilee of its Foundation on January 3, 2010. Sixty years is a significant milestone in the history of an institution. NCL has had a lineage of distinguished leaderships who have guided its destiny at various milestones of this journey. With its rich tradition of excellence in scientific research, it has nurtured the best minds of India. It has contributed over the years in myriad ways to the development of the chemical industry in India. It has partnered research with some of the largest chemical companies of the world. The mission and goals of NCL, as stated by its founding fathers, has continued to stay relevant to the needs of India. It has continually transformed and reinvented itself to meet the new challenges. While the past is our heritage, the future is our destiny. NCL is poised to face this future with ever more commitment and passion to ensure that India is counted amongst the front ranking nations of the world.

National Chemical Laboratory (CSIR-NCL), Pune, established in 1950, is a constituent laboratory of Council of Scientific and Industrial Research (CSIR). CSIR-NCL is a science and knowledge-based research, development and consulting organization. It is internationally known for its excellence in scientific research in chemistry and chemical engineering as well as for its outstanding track record of industrial research involving partnerships with industry from concept to commercialization.





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Purpose of Industrial Visit

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

Strength behind the visit

Honourable 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.

During Industry/Institute University Interface Program at Uka Tarsadia University, many experts from the industries have suggested that students of final year PG/UG Chemistry should visit the industries to experience the actual working environment and the processes. Training and placement cell organized an Industry University Interface Program at Uka Tarsadia University, at that time many experts from the industries have suggested that students of final year should visit the industries to experience the actual working environment and the processes. Also, suggestions came from the industrial person that visit for the chemistry students will be helpful to face the interviews.

Dr. Amrutlal Prajapat and Dr. Anil Gore have taken continuous follow-up with Dr Vincent Paul, Scientist of CSIR-NCL, Pune and organize this Institute visit. Prof K R Desai and faculty members of the Tarsadia Institute of Chemical Science supported this tour.

We are always grateful to Dr. D R Shah (Provost, UTU), Dr Chinmay Desai (Registrar, UTU) and Mr Nikhil Joshi (Assistant Registrar, UTU) for unconditionally supporting this visit.



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Ground report

According the route and time plan, all students were reached at NCL, Pune at 1.30 pm on 7th Feb 2023. After completion of entry procedure at the main gate to enter inside the NCL institute, Dr Paul welcomes us and directed all of us to administrating office. After his introduction and warm welcome, we had gone to campus drive and collected more details about NCL institute and the important role of institute related to research project. Dr Paul gave brief information about institute with the introduction of faculties, Scientist teams and involvement of institute in social responsibilities. The NCL, Pune was very classy and all details about different departments, research and instrumentation laboratory and their work functions were described by Dr Paul. He has also informed us about the summer internship scheme for students.

All the students along with the faculties were visited Biochemical Science Department. Different research scholars had represented their research work in detailed. The detailed research work and instrumental facilities information to our students in polymer lab was provided by technicians. Many students have asked the queries with curiosity and the instructor has solved them very cleverly and politely. All students were drive to Chemistry Department under the guidance of Dr Paul, where research scholar gave demonstration on their project work. Dr Varun Natu gave a brief information about his on-going research. Demonstration on different instruments had been given by research scholar Mr Samadhan Deshmukh in various labs. A fruitful meeting was done with Prof P P Wadgaonkar and Dr Varun Natu.

All the students were gathered at the main building, where a group photo took with students and Dr Paul. All students were enjoyed the overall visit. He promised to continue this activity every year for the benefit of the students. On the same day, Bus was departed from the Pune to the respective routes for Surat as earlier decided and reached safely.

Glimpse of Visit.....







Students Review about the visit



I'd like to express my deepest thanks to Dr. Anil Gore Sir, Dr. Amrut Prajapat Sir and Tarsadia Institute of Chemical Science, UTU for organizing amazing educational visit to SUK and NCL - Pune. The trip was very well managed and we have enjoyed to our fullest. We had a gained a perfect knowledge about all the instruments which we have needed. It was a great experience for knowing about one of the best reputed research centre. I'm extremely grateful to Dr. Kolekar sir (SUK), Dr. Vencent sir (NCL Pune) and team for kind support to make our Institute visit very helpful for us. Also had good collaboration with SUK and

NCL Pune faculty and PhD Scholars. Last but not least I would like to special thanks to MSc

Students and my colleagues.

Thanks to all of you,

Thanking you,

Mr Nitin Borane (PhD Research Scholar)

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I'm Shiv Desai, a research Scholar in Uka Tarsadia University, Surat. We went for a visit at two well-known institutes named Shivaji University, Kolhapur and CSIR- National chemical laboratory, Pune. It was a very beautiful experience with huge campus and big infrastructures. There we explored advanced sophisticated instruments, well equipped laboratories, well maintained campus, qualified people, quality of research, culture of Maharashtra, stories about Shivaji Maharaj, traditional food of Maharashtra, famous Kolhapuri chappals, fort and palaces. Definitely the trip was full package of knowledge

with fun.

Thank you very much to all associate with this institutional visit.

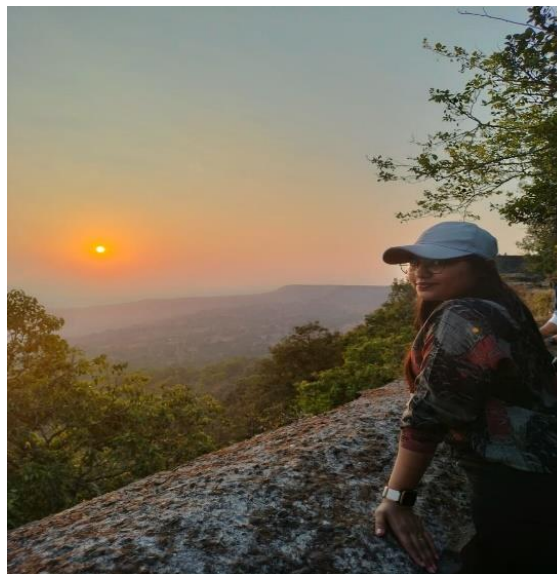


I would like to express my gratitude to Dr.Amrut Prajapat Sir & Dr.Anil H. Gore Sir for the well planned educational trip to SUK & CSIR-NCL pune. It was a great opportunity to learn, explore, experience and get better clarity & understanding of how theoretical concepts are put into practical actions. I would also like to thank the student coordinators for their management, my friends and every other member of this trip for all the wonderful experiences and mesmerizing memories.

With Regards

Anas D Fazal

I'm Pooja V. Devre i would like to express my gratitude to Dr. Anil H. Gore sir and Dr. Amrut sir to arrange and mange such a long tour visit of SUK and NCL. I'd also extend my thank of gratitude to Dr. G.B Kolekar sir for the arrangements of our accommodations, support, safety & security and Mr. Omkar Nille to paid his valuable time for us. Dr.Paul sir one of scientist at NCL Pune provided the opportunity and facility to visit lab and pilot plants as well. This visit helps us to get the knowledge of instruments as well as got opportunity to meet and make collaboration.



This education tour was full of knowledge and adventures we experienced. It was a again a great experience with Dr.Gore sir and Dr.Amrut sir after CSMCRI Bhavnagar visit. Last but not the least thanks to all my colleague and master student to make this trip memorable and joyful. Thank you Hemal, Niteen, Anuraag and Amar to manage it well and congratulations for the successful educational trip cheers.

I am Pinal Bhavsar. Research scholar at TICS. First of all thank you so much Anil sir and Amrut sir for organising the wonderful trip. It was a very great experience for me to visited my Guide's University and Research lab. One of my dream was come true. Also I would like to thanks Omkar sir for all the support in SUK visit. As a research scholar, we have a dream to visit CSIR lab once.Thank you so much Anil sir and Amrut sir for CSIR NCL Pune visit. I would like to thanks Paul sir, Kolekar sir also. After all the academic visit, it was a very holy experience in Mahalaxmi maa temple and Ganesha temple. Last, i would like to thanks Niteen Bhai, Anurag Bhai, Amar Bhai and Hemal for successful trip planning.

Thank you all.

Regards.

Pinal Bhavsar





Hello everyone. I am Jinal Patel, Msc(AC) at TICS. First I would like to thank Anil Sir and Amrut Sir for organizing such a wonderful Educational Tour. It was such a great experience to see and learn more about sophisticated instrument in Shivaji University, Kolhapur and CSIR-NCL Pune. After the visit we have visited mahalaxmi temple, Shahaji Palace, Rankala lake, Ganpati temple in pune. I am also very much thankful to Omkar Nille Sir for giving his valuable time for visit. Definitely the tour was full of fun, knowledge and learned lots of things from it. Thank you so much for planning such a educational trip.



I'm Dhawni Patel and I would like to thanks to Dr. Anil sir and Amrut sir for organising an amazing educational tour to SUK and NCL Pune. The tour was well managed and I enjoyed a lot. I learned almost new instruments. It was a good experience for me because I gained a good knowledge. I would extend my gratitude to Mr. Omkar Nille to support and guide us. Thank you very much to all associated with this institutional visit.



I would like to thank Dr. Anil sir and Dr. Amrut sir for such great visit of Shivaji university, Kolhapur and CSIR-NCL, Pune it was nice experience to explore their culture and dedication for work and it is grateful to seeing the very important instrument like XRD, TEM, XPS ect. And also big thanks to Omkar sir for supporting us and guide during the visiting Shivaji university campus.

Hii I am Amar Deshmukh and I am very happy to be a part of this academic visit and I would like to thank form the bottom of my heart those who have supported shivaji University Kolhapur and CSIR-NCL pune by staying behind this visit made successful our academic visit Dr. Anil sir, Dr. Amrut sir and Anurag provided bus and travel facilities and there is one person who handled the money transaction Hemal and I enjoyed this visit it was a different experience to explore Kolhapur in its natural environment of shivaji University's campus is fullfill with beautiful birds sounds that take you away from the hustle and bustle of everyday life I am very glad that I could be a part of this visit and thank you once again.



I, Nisha Odedara Research fellow of Tarsadia Institute of Chemical Science, UTU, got the excellent opportunity to visit the very prestigious laboratories and campus of Shivaji University and NCL Pune. I want to thank Dr. Amrut sir and Dr. Anil sir, who had taken time off to arrange a well managed and resourceful University visit. It was total 3 days visit and we enjoyed each three days fully with various instrumentation laboratory visit along with side scenes of Pune and Kolhapur city. Overall it was fun + knowledgeable visit. Last but not the least I would like to thank Anurag and Hemal for standing on their toes every time whenever we needed a help. Thank you..



Hello everyone. I am *Chavda Mihir **, **Msc(oC)* at TICS. First I would like to thank Anil Sir and Amrut Sir for organizing such a wonderful Educational Tour. It was such a great experience to see and learn more about sophisticated instrument in Shivaji University ,Kolhapur and CSIR-NCL Pune. After the visit we have visited mahalaxmi temple, Shahaji Palace, Rankala lake, Ganpati temple in pune. Thank you so much for planning such a educational trip.

Hii I am Adnan Shaikh and I am very happy to be a part of this academic visit and I would like to thank from the bottom of my heart those who have supported shivaji University Kolhapur and CSIR-NCL pune by staying behind this visit made successful our academic visit Dr. Anil sir, Dr. Amrut sir and Anurag provided bus and travel facilities and there is one person who handled the money transaction Hemal and I enjoyed this visit it was a different experience to explore Kolhapur in its natural environment of shivaji University's campus is fullfill with beautiful birds sounds that take you away from the hustle and bustle of everyday life I am very glad that I could be a part of this visit and thank you once again...



I am Rinkal Bhoraniya. First of all I want to say that the visit of shivaji University and NCL Pune was a wonderful visit. I would like to thank Dr. Anil sir and Dr. Amrat sir for this arrangement, also i would like to thank the management qt SKU and NCL. I would also like to thank Anuraag and Hemal for their hardwork and effort. I got really good knowledge about all instruments. I learnt about every sophisticated instruments like XPS, TEM, NMR, XRD and many more. Thank you so much for this wonderful opportunity.

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I'm Pooja Gandhi , int. Msc Chemistry student at TICS. First I would like to thank Anil Sir and Amrut Sir for organizing such a wonderful Educational trip. It was such a great experience to see and learn more about instrument in Shivaji University ,Kolhapur and CSIR-NCL Pune. After the visit we have visited mahalaxmi temple, Shahaji Palace, Rankala lake, Ganpati temple in pune.Thank you so much for planning such a educational trip.

I am very grateful to Dr. Anil H. Gore Sir and Dr. Amrut Sir for organizing such an informative visit. It was similar to undertaking an exploration as this visit opened a tremendous opportunity to learn and explore. I would like to thank you for creating wonderful memories and valuable learning which have been committed to memory. Looking forward to more such opportunities.

Special Thanks To Hemal, Nitinbhai and Amarbhai.

Regards,
Vedant Patel.

