



**VISHWKARMA GOVERNMENT ENGINEERING COLLEGE,  
CHANDKHEDA  
CHEMICAL ENGINEERING DEPARTMENT**

**Brief Report on Industrial Visit to Lonsen Kiri,GIDC,Vadodara**

Name of Department/Organizer	:	Chemical Engineering Department
Date & Time	:	27/07/2019
Venue	:	<b>Lonsen - Kiri Chemical Industries Limited</b> Plot No. 498, 500, 545, 577/B, 584/B, 585 to 589, Village: Dudhwada – 391450, Tal: Padra, Dist: Vadodara
No of Participants	:	57 Students and 2 faculties

**Objective of the Event**

5<sup>th</sup> semester students of Chemical Engineering Department of Vishwakarma Government Engineering College Chandkheda visited industry Lonsen - Kiri Chemical Industries Limited, Dudhwada - 391450, Dist: Vadodara on 27/07/2019. These visit falls under major activity head of “Technical/ Research skill” with sub-activity head of “Industrial / Exhibition Visit with Report”. The visit was organized for one day on 27/07/2019. Total 57 students (2 girl & 55 boys) took benefit of this industrial visit. These students were accompanied by following faculty members.

1. Prof. Y. J. Morabiya (Asst. Professor, Chemical Engg. Department)
2. Prof. Rupal R. Patel (Asst. Professor, Chemical Engg. Department)

**Details of the Event**

We (57 Students+ 2 Faculties) had visited LONSEN KIRI Ltd,VADODARA on 27<sup>th</sup> of July, 2019.

A joint venture company between China-based Zhejiang Lonsen and India-based Kiri Dyes and Chemicals inaugurated a new dyestuff plant on 19 July 2009 in Vadodara, the Gujarat state of India. The joint venture, called Lonsen - Kiri Chemical Industries Ltd (LKCIL), is located in the Dudhwada village and manufactures reactive dyes. Company is manufacturing reactive dyes. Construction of the plant started in September 2008 and was completed within seven months.

Sr. No	Item	Time	Conducting Person
1	Reporting Time	02:00:00 PM	
2	Introductory talk about Objective and its activity and lunch	2:00 PM to 3:00 AM	Dr. Nilesh Mistry (CTO) and Mr. Kamlesh Patel (HR)
3	Visit to Technology Park	3:00 PM to 4:30 PM	Mr. Umesh Shah
4	Expert talk on safety in industrial process	4.30 PM to 5:00 PM	Dr. Nilesh Mistry
5	Group photo graph at administrative building	5.00 PM to 5:15 PM	--

After successful completion of The LKCIL plant incorporates a combination of technology and business practices from China and India. It has environmentally friendly features such as an effluent treatment plant and a rain-harvesting facility. The effluents are recycled and reused. The plant is designed with the expertise of both Lonsen and Kiri. The companies have collaboratively designed the plant and share knowledge in the product technology, engineering designs and effluent treatment processes, including the economy of scale, and sales and marketing.

The major equipments/Instruments are,

- Glass lined reaction vessels upto 5 KL with heating & cooling facility (MOC: FRP).
- Vaccum distillation unit
- Vaccum drying unit
- Vaccum filtration
- Spray Dryer
- Double Effect evaporator
- Laboratory with GC, HPLC, UV – Vis spectrophotometer, Color spectroscopy, metrohm auto titrator

