

A Report on Industrial Visit at

Rajkot's Different Industries,

Organized by

Training and Placement Cell

Department of Mechanical & Automobile Engineering

for

B-Tech Automobile Engineering (5th & 7th Semester)

Date of the Visit:

14th and 15th September 2017



Chhotubhai Gopalbhai Patel Institute of Technology

Uka Tarsadia University, Bardoli.

Schedule of Visit on Day One Dated 14th September 2017

Time		Location
From	To	
10:00 am	11:00 am	Reached Rajkot at Accommodation
11:30 am	12:45 pm	Went for lunch in Rajkot city
1:00 pm	02:30 pm	After having lunch visited Vrundavan Auto parts
03:00 pm	05:15 pm	Visit of Vatsal Castings
05:45 pm	-	Left Rajkot GIDC and went for Dinner
07:30 pm		Reached at the hotel and had dinner

Schedule of Visit on Day One Dated 15th September 2017

Time		Location
From	To	
09:00 am	10:00 am	Breakfast at the accommodation
10:15 am	12:00 pm	Went for visit in Captain Tractors
12:15 pm	02:00 pm	After having lunch went to Kishan Auto parts
03:00 pm	06:00 pm	Visit of Kishan Auto Parts
06:30 pm	-	Left Rajkot and start journey to Surat
09:00 pm		Had dinner and continue the journey to Surat
10:30 am	On 16 th	Reached Surat safely

Pursue Faculty member for the visit: Mr. Krunal Patel & Mr. Deep Parekh

Total No of Visitors = 121 (115 Students + 06 Faculties)

List of Faculties:

- Mr. Deep Parekh
- Mr. Pratik Umrigar
- Mr. Sandip G. Patel
- Mr. Akash Chovatiya
- Mr. Jenish Patel
- Mr. Keyur Surati

About Vrundavan Auto Parts Ltd.

Vrundavan Auto Products is backed with an experience of 13 years in the field of Auto Parts, Textile Parts and Machine Tools - have grown today to a company of high repute for manufacturing, developing and supply of precision products.

They are a family owned business with over 13 years' experience. The company has more than a decade of precision Machining experience. They have machined some of the most Critical Components in the engineering sector. Our high-tech workshop offers custom-made engineering parts as per customer's drawings and specifications. Their workshop is equipped with modern facilities, machinery and skilled manpower to meet the stringent demands of the engineering

industry. Vrundavan Auto Products is consistently high standards of quality have resulted in acceptance of product with wide range of customers both in Indian as well as in overseas markets. Vrundavan Auto Products is led by highly qualified technocrats with wide experience in their areas of operation, thus providing an ideal combination of man and machine.



Group photograph At Vrundavan Auto parts, Rajkot (14th September 2017)

About Vatsal Castings Ltd.

Vatsal Metal Cast Solution, were established in 2011. They are offering high quality products made by sand casting process. They have registered a dominant position of one of the noted manufacturers, exporters and suppliers in the industry. Their comprehensive expertise and state-of-the-art modern facilities provides an improved range of products at competitive prices. They have collaboration with EICHER automobiles for manufacturing auto products used in their automobiles. It was really very good and finely managed industry. There were many things that we have performed in our workshop at CGPIT during the subject of manufacturing technology 1. So that was a very good experience to understand the real way to do casting process.



A photograph at Vatsal Casting PVT. LTD.

About Captain Tractors Ltd.

Since Captain Tractors PVT. LTD. established in 1994, It is growing immensely as leading manufacturers and exporters of Tractors in India. Previously known as Asha Exim Pvt. Ltd., it was started by two visionary farmer brothers, Mr. G. T. Patel & Mr. M. T. Patel of Rajkot, Gujarat, India. They started their business by developing a Mini tractor first that can be quickly arranged by small or medium farmers to complete their routine tasks. The plant is located at Veraval Shapar, Dist. Rajkot, India.

In this company we visited 3 different sections in different groups, those are

1. **Presentation Section**- Where we get to know how and when the industry started.
2. **Assembly Line**- Where we saw that how single pieces of auto parts became a mini tractor.
3. **Display Section**- Captain Tractors also manufactures different accessories related to tractor, those were displayed and explained to us in that section.



A photograph at Captain Tractors PVT. LTD.

About Kishan Auto Parts Ltd.

They started manufacturing Connecting Rods in the year 1988 in a small manner to produce 2000 pieces per month and the positive response from the esteemed customers who certified their quality to their satisfactory level provoked them to increase their capacity. Now, They are able to produce about 40,000 Nos. per month.

Firstly when we enter the industry we were taken to the sort blasting department where the raw connecting rods made by forging process are sort blasted and the excess material and surface finish is provided to them and then they are taken to the department of making the holes and then giving them recommended or instructed sizes and dimensions then the final testing is done that can detect cracks and other defects in the connecting rods and that's how they can segregate the defective and non-defective rods.

The second section manufactures the valves used in the engine for inlet and exhaust to open and close. In that section firstly, we saw the raw material used for making the valves, those were in the form of long less diameter rods. By the pressing process they make the valve shape and on the VNC machine they do the machining process and make the final valve ready to use in engine.



*Our Respected Faculties and The Company
Employee Who guided us in Kishan Auto
Parts*