

A Report on Industrial Visit at Rajkot

5th and 6th January, 2013

A part of curriculum for 4th Semester Mechanical and Automobile
Engineering Course

Coordinators:

Mr. Karan Joshi & Mr. Hiren Shah

Assistant Professor, Mechanical Engineering Department

Dr. C. K. Desai

HOD, Mechanical Engineering Department



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli established in 2009, have made constant efforts to upgrade the society by imparting technical knowledge to the youth and preparing them to stand in society with the attitude of competing with others and proving one's worth in practical world.

The institute following its mission arranged an educational tour in January 2013, for the students of 4th semester Mechanical and Automobile Engineering Department, to the following industries situated at Rajkot, Gujarat.

- Kirloskar Oil Engines Ltd.
- Singhal Power Presses
- Gujarat Lath Manufacturing Co. Pvt. Ltd.
- Sanjivani Investment Casting
- Sandori Investment Casting
- Atul Auto Ltd.
- Metflow Cast Pvt. Ltd.

On 5th and 6th of January 2013, IV semester students of Mechanical and Automobile Engineering had visited seven Industries at Rajkot.

Number of Students:

- Mechanical Engineering Students = 64
- Automobile Engineering Students = 67
- Total No. of Students: 131

Faculties:

- Mr. Karan K. Joshi
- Mr. Hiren A. Shah
- Mr. Brijesh R. Naik
- Mr. Ramakant I Panchal
- Mr. Vikesh B. Patel
- Mr. Darshan A. Kapadia
- Mr. Ravi J. Bhatt
- Mr. Ramsinh Gadhavi

Supporting Person of Company:

- Atul Auto Ltd.: **Mr. Sanjay Bhatt** (*Sr. Manager, IR & Admin*)
- Sanjeevani & Sandori: **Mr V. P. Kapadia** (*Director, Manufacturing*)
- Metflow Cast Pvt. Ltd.: **Mr. Atul Kotadia** (*Production Incharge*)
- Singhal & Gujarat Lathe Machines Pvt. Ltd.: **Mr. Bhavesh Kasundra** (*Manager, HR & Admin*)
- Kirloskar Oil Engines Ltd.: **Mr. Jayesh Vadodaria** (*Deputy Manager, QA*)

Special Thanks to **Mr. Chintan Gajera** (*Managing Director of I Tech Advance Inspection Services*) and **Mr. Bhavin Sukhadiya** (*Technical Director of I Tech Advance Inspection Services*) for helping us throughout this Industrial Visit.

The Schedule was as under:

Sr. No.	Visited Company's Name	Date of Visit	Time of Visit
01	Kirloskar Oil Engines Ltd.	05-01-2013	10:45 AM to 01:00 PM
02	Singhal Power Presses	05-01-2013	03:00 PM to 04:30 PM
03	Gujarat Lathe Machines Pvt. Ltd.	05-01-2013	04:30 PM to 06:00 PM
04	Sanjivani Investment Casting	06-01-2013	10:00 AM to 11:30 AM
05	Sinduri Investment Casting	06-01-2013	11:35 AM to 01:00 PM
06	Atul Auto Pvt. Ltd.	06-01-2013	03:00 PM to 05:00 PM
07	Metflow Cast Pvt. Ltd.	06-01-2013	05:15 PM to 06:15 PM

Kirloskar Oil Engines Ltd.



Enriching Lives



Product: - Gensets, Off Highway Engines (Air cooled, water cooled), Agri Engines (Industrial, Tractors, Marine, Agro industrial), Commercial Marine (Marine Propulsion Engines – 980 to 2560 KWm, Auxiliary Diesel Generating sets – 560 to 2500 KWe)

Departments: - CNC shop, Assembly line, Sand Casting Shop, Painting Shop, Machine Shop, Fabrication Shop, Storage room, Quality department, Dispatch Centre, Testing Area

Singhal Power Presses



Products: - Power presses of different capacity (15 ton, 25 ton, 50 ton, 200 ton, 350 ton, 500 ton, 750 ton)

Departments: - Fabrication, Machining, Assembly, Painting Shop

Gujarat Lathe Manufacturing Co. Pvt. Ltd.



Products: - All gear machine, Simple Lathe Machine

Departments: - Manufacturing of Lead Screw and gears, Assembly Line

Sanjivani Casting Pvt. Ltd.

Product: - JCPL is supplying investment casting to some of its valued customers in various field like Automobile, Aerospace, Railways, Defense, Hand Tools, Process Pumps and Valves, Marine, Textiles, Electrical Switch Gears, Orthopaedic Components, etc. with a team of field engineers to interact with the customer for their specific needs, even the extent of helping them in designing of their components.

Departments: - Extruding, Casting, Moulding, Testing & Inspection department.

Sandori Casting Pvt. Ltd.

Product: - JCPL is supplying investment casting to some of its valued customers in various field like Automobile, Aerospace, Railways, Defense, Hand Tools, Process Pumps and Valves, Marine, Textiles, Electrical Switch Gears, Orthopaedic Components, etc. with a team of field engineers to interact with the customer for their specific needs, even the extent of helping them in designing of their components.

Departments: - Extruding, Casting and Moulding.

Atul Auto Ltd.

Product: -Road master, Goods Carriage & Passenger Rickshaw Manufacturer.

Departments:-Training Centre, Store Room, Machine Shop, Fabrication Department, Body In White [BIW] Shop, Cathode Electrode Deposits [CED] Departments, Paint Shop, Assembly Section, Pre-Despatch Inspection [PDI] Department.

Metflow Cast Pvt. Ltd.**METFLOW CAST PVT. LTD.**

Products: - Metflow Cast Pvt. Ltd., is steel foundry, manufacturer of Carbon Steel, Alloy Steel, Stainless Steel and Nickel Base Castings to meet the needs of Valve & Pump Industries, Earthmoving Industries, General Engineering Industries and many More.

Departments: - Pattern Shop, Melting, Moulding, Fettling and Heat treatment.