Sarvajanik Education Society
Sarvajanik College of Engineering & Technology

Master of Computer Application Department

A Report on Industrial Tour

Industrial visit is a vital part of the curriculum. It helps to bridge the gap between classroom and the real working world. The visit also provides first-hand knowledge about the organizational structures and modes of operation in different industries.

The objective of this visit was to provide real life exposure to MCA students about knowledge of business systems and their automation by applying it.

With this vision in mind, Industrial Visit was planned by MCA department of SCET at Pune from 29Th January to 1st February 2015. On 30**TH** **January 2015**, we visited company named **Volkswagen India**, & on **31st January 2015**, we visited **Persistent Systems**.

About Volkswagen India

The Volkswagen plant in Chakan occupies a total area of over 2.3 million square metres (575 acres), with buildings covering about 1, 15, 000 square metres. The Chakan Pune Plant of Volkswagen was built up in 17 months of short time with 3800 crores of investments & inaugurated on 31stMarch 2009 with Skoda Fabia. The Pune plant is one of the most modern in the Volkswagen Group. It has a high level of vertical integration and a large share of local suppliers. The facility is the only production plant operated by a German automaker in India that covers the entire production process, from press shop through body shop and paint shop to final assembly.

The facility uses futuristically designed state-of-the-art equipment. For example, the body shop uses the Diode Laser Brazing (DLB) technology, whereas the Roof & Side Framer laser technology is used for welding the roof to the body of the car. The facility is also one of the few environment-friendly manufacturing plants around the area. For instance, the exhaust of the paint shop is re-burnt and the resultant heat and energy is reused.

Visit to Volkswagen India

The Volkswagen plant in Chakan uses "KUKA" robots for assembling different parts of cars. The Volkswagen plant in Chakan has 94 robots in action. KUKA robots were used in Roller aiming (For fixing the doors), Inline measurements (for precision), Spot welding (for

rigidity, safety & stubbornness), Roof laser (for water leakage), Paint shop & Assembling by using "**Chassis marriage**". The production of a new car merely takes place in 2 minutes.

Impression of SCET students on Volkswagen India:-

- Keen observer (they asked question behind the technology).
- Eagerness to know how KUKA robots works
- Technical discussion on their products like SAP & how Computers can be merged with Automobile sector.

About Persistent Systems

Persistent Systems is a service based company, which offers a secure and "true" mobile ad-hoc networking system with its Wave Relay product line. Since inception, the company's core products have been most utilized by the government sector as well as by industrial clients. Today, Persistent Systems has the opportunity to grow its customer base to both industrial and commercial applications.

Visit to Persistent Systems

Persistent Systems, Hinjewadi was our day 2 industry visit. Persistent officials shared and discussed about how our students can join them, what is the work culture, which technologies they are planning to work, their current functional & technical domains, their clients, how they contribute to society (ex. SatyamevJayate http://www.satyamevjayate.in), a 24 hour tech fest named **Semicolon.**

Impression of SCET students on Persistent Systems:-

- On time (5 other colleges participated, out of which SCET was the ON time.)
- Kick off with questions.
- Were ready with questions as had background knowledge about the company, technologies, clients & domains Persistent works with by visiting web site.
- Attention seeker (Officials were occupied most of the time with our students).
- Corporate dressing & etiquette.

Implications of the Visit

The students were very enchanted as Industrial Visit to ***PUNE-THE IT HUB***, opened the doors for merging their IT skills with current requirements of information era.

They also discussed how students can start developing small projects and turn it into gigantic software which will be a milestone for IT industry. They set up a huge horizon to develop project and research activities.

Students were delighted to visit plant and one service based company.

The tour ended with wonderful memories to cherish.

Team,
MCA Department,
SCET.