

**Department of Mechanical Engineering****Event:** One Day Industrial Visit in “BOSCH INDIA PVT LTD, Delhi”**Date:** 11<sup>th</sup> Feb, 2020**Venue:** Plot No-36, Mohan Cooperative Estate, Delhi**No. of Participants:** 100 **Faculties:** 02**Report Date:** 11<sup>th</sup> Feb, 2020**REPORT**

An industrial visit to BOSCH Training Centre, Badarpur was organized on 11<sup>th</sup> February 2020. Around 100 students of Mechanical Engineering Branch accompanied by faculty Mr. Manash Dey & Mr. Dhruv Kumar visited the Centre. The main aim of the visit was to fill the gap by giving practical exposure to theory available in books like IC Engine, Automobile Engineering and to bring awareness of current mechanical scenario.

With its head office at Bangalore and Regional Training Centre at Mohan Cooperative Industrial Estate, Badarpur, New Delhi, Bosch Limited is India's largest automotive component manufacturer and also one of the largest Indo – German companies in India. Bosch Limited manufactures and trades in all the three major business sectors of Bosch:

- 1. Automotive Technology** (Diesel and Gasoline Fuel Injection Systems, Car Multimedia Systems, Auto Electricals and Accessories, etc.).
- 2. Industrial Technology** (Packaging Machines, Solar Energy, etc.)
- 3. Consumer Goods and Building Technology** (Power Tools, Security Systems)

Bosch Trainers, **Mr. Parag and Mr. Ganesh** welcomed the students and started with the introduction session. The main session got started by **Mr. Parag** with introduction to Bosch and mentioning about it as world's largest automotive parts company and automotive technology leaders (i.e., Fuel injection, Battery, Braking etc.). He explained how, if a car stuck with an issue, would be tested and how its engine would be diagnosed and could be fixed. He continued mentioning how the electronics and electrical parts play vital role in vehicles. He added that Bosch technology always gives clean and economical services. He stressed that Bosch has a total of 3850 patents for new innovations.

He explained the function of the following components:

1. Fuel pump, fuel injection system of a diesel engine.
2. Synchromesh Gear box.
3. Ignition system.
4. Common rail diesel injection (CRDI Technology).
5. Auto electrical components like alternator, starter, battery-working and testing.

The visit was very interactive and knowledgeable. Students were able to get clarity on engines and its components at the basic level in details. There was also a Q&A session. The visit came to an end around 3:00 PM.

Some glimpse of the visit are

