



### **A Brief Report of industrial visit- Agrasen engineering industries ltd, Jaipur.**

**Address:** Agrasen Engineering, F198/199, Road No. 9F Vishwakarma Industrial Area, Jaipur

**Time and Date:** 11:00 to 12:00, August 22, 2017.

On August 22, 2017 Poornima group of Institutions and Yi Yuva, Jaipur chapter organized a visit for Registered students of Yi Yuva club to **Agrasen engineering industries ltd, Jaipur. Agrasen engineering** was established in 1984. They are an ISO/TS 16949 certified company engaged into manufacturing of Forged, Machined and Heat treated bearing rings and customized precision Auto Components. With an installed capacity of 100 million bearing rings and automobile components per annum our manufacturing facilities are amongst the best in the industry.

The basic objective of this visit is to demonstrate the machines, actual working on machines and latest technologies by young and innovative minds. It helps students to understand the recent technologies use in production and manufacturing of machine tools.

Total 30 students of Mechanical and Computer branch along with faculty members Mr. Ashwani Kapoor and Mr. Rajveer singh. Mr. Praan Bhatt, General Manager and Mr. Pradeep, HR Manager welcomed the students and faculty members. Mr. Arun kumar, Quality Executive, Mr. Bharat Chauhan, Production Engineer and Mr. Rajendra, Quality Manager explained about the **Manufacturing Facilities**, heat treatment unit, Jigs/Fixtures/Assembled, CNC Milling machines in different terms like general specification, Awareness for social change, Environment Friendly, Research & Development.

#### **Manufacturing Facilities at Agrasen bearing rings plant:-**

**Forging Shop:** Our forging shop consists of high speed horizontal hot formers – Hatebur AMP-30 and vertical forging lines with hot ring rolling.

**Annealing Shop:** Annealing Shop features latest technology continuous annealing equipment as well, fully automated bell type annealing furnaces for spheroidized annealing of forged parts.

**Cold Rolling Shop:** Highly demanding situations of Indian & global markets have driven us to incorporate manufacturing process which provides high yields and low input costs in terms of raw material.

**Machining Shop:** Machining shop is a state of art facility with CNC turning centres, vertical machining centres, robo-drills, grinding machines and single spindle SPM's. The concept of robotic cells with single piece flow ensures least material movement and handling of components.

The wide range of equipments provides us with ability to cater to flexible requirements of demanding customers.

**Heat Treatment:** Our heat treatment facility is a CQI-9 qualified facility with Continuous cast link belt furnace suitable for parts with diameter range of 20 to 80mm. The process is designed to achieve minimum component distortion by means of limiting retained austenite to as low as 8%.

After completion of visit Mr. Praan Bhatt, General Manager take doubt clearing session in which students ask their doubts about visit, future planning of company, internship scope etc.



