

Industrial visit report

11th Sep, 2018

Indo-German Tool Room, Ahmedabad

On 11th Sep, we had an industrial visit at Indo-German Tool Room, Ahmedabad. Indo-German Tool Room is a tool room and training center engaged in production of tools of precision plastic and metal components and also engaged in area of training in tool and die making, CAD/CAM and CNC technology. We reached their by 10:00 AM and after quick introduction, students including teachers were divided in two groups among their guides. The very first section of the visit was of CNC machines. They showed us the practical application and functions of CNC lathes and VMC machines, which were fully automated. The students of IGTR were given training for CNC programming and how to operate those heavy machines practically. They also showed us injection molding machine, the biggest machine we could see in the industry. The injection molding machine was manufactured by Larsen & Toubro Company and it was used to make certain plastic products like compressor covering of AC, stools, etc. in two plate and three plate molds. There was a plasma nitriding machine. Then they showed us Electrical Discharge Machine and Wire Electrical Discharge Machine. Then we visited the quality control section where 3D printing machines like laser sintering and rapid prototyping machines were shown. There was a Coordinate Measuring Machine too. When we completed the tour of whole industry, we were provided lunch at their canteen at 1:00 PM. After the break and refreshment of one hour, they conducted a seminar explaining us about the designing software they used and how the concept of virtual machining is taken in use. Overall, the industrial visit to IGTR was worth productive and quite interesting as well.