

## **One day Industrial Visit at Mahindra & Mahindra, Chakan, Pune.**

Don Bosco Institute of Technology, Mumbai had conducted one day industrial visit to Mahindra & Mahindra, Chakan, Pune on 23<sup>rd</sup> February, 2019. This visit was organised for the students of SE, TE & BE of EXTC department along with TE MECH students. The enthusiasm among the students was evident from the fact that the participation number was 40. The aim of the visit was to keep students updated about the latest advancements.

The team arrived at 11am at Mahindra vehicle manufacturing plant. After the refreshment break, Mr. Patil & Mr. Loppis gave a brief outline of their company, their daily productions, employee chart & overall company's graph. Mahindra & Mahindra excels nationally as well as internationally. It has its plants in more than 10 countries. Mahindra is a modern facility built from scratch to meet the transportation need of modern India, that's a fully automated shula press line from Germany, completely modern and flexible enough for vehicle of the future. After the session, the team went to visit the first block i.e. engine assembly. The visit was guided by Mr. Sonavne. At first block, vehicle parts are checked and stored for the manufacturing process. Next was welding block. Protective measures were strictly followed like students were given the protective glasses and even the hard cap. Students were amazed by the welding job done both manually and automatically by robotics. Manually welding is done by using 300 kg of welding machine which was hung by the conveyor belts. This welding was type of spot welding. Next the intricate spots which needed to be welded were done by the robots which were pre-programmed. After the welding job, the complete structure was went for scanning process. In scanning, the defects are recognized and the defected ones are sent back for processing. After this, the materials are sent to paint shop. Since, this block is restricted for visitors the team was not allowed to visit the block. Team then arrived to XUV 500 block where the finishing is done by assembling all the interiors as well as the exteriors to the body and then the complete vehicle gets ready!!

The team was very fascinated by the overall process that took for the completion of vehicle. The IV was concluded by the lunch provided by them. The team gained a great experience as well as knowledge which will definitely help them in upcoming projects. At 2:00 pm, team departed for their destination.

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