



Department of Information Technology

An Industrial Visit Report on STPL

STPL (Sahajanand Technologies Private limited), Surat was incorporated in 1993. Company offers high quality Laser systems/Products for a variety of applications and strives to fulfil the demands of the Indian & global customers.

Sahajanand Medical Technologies Pvt. Ltd. (SMT) is the first Indian company to manufacture medical stent used to treat narrow or weak arteries. Established in 1998, the company has footprints in 100 countries across the globe.

STPL has invited B.E. - I.T. (Semester VII) students to visit their company on 24-08-2023 to showcase IT related work in their company. Around 53 students along with two faculty members have visited company on above mentioned date.

We have entered company at 9:50 am. Initially they offered delicious breakfast with tea to entire team. Then team was gathered for company presentation. Company presentation was for around 50 minutes. Then team was divided in 4 groups, and each group was taken for company visit. In visit every group was shown how they made automated robots for picking up diamonds and diamonds are given to sawing machine and then for shaping. Also they shown machine made up by them which uses concept of AI-ML, to differentiate diamonds according to their color, cut, shape and other given parameters automatically. They show that how we can get maximum price from rough diamond.

They also shown use of 3D printing, which is most widely used in manufacturing plants to generate 3D model for their upcoming product.

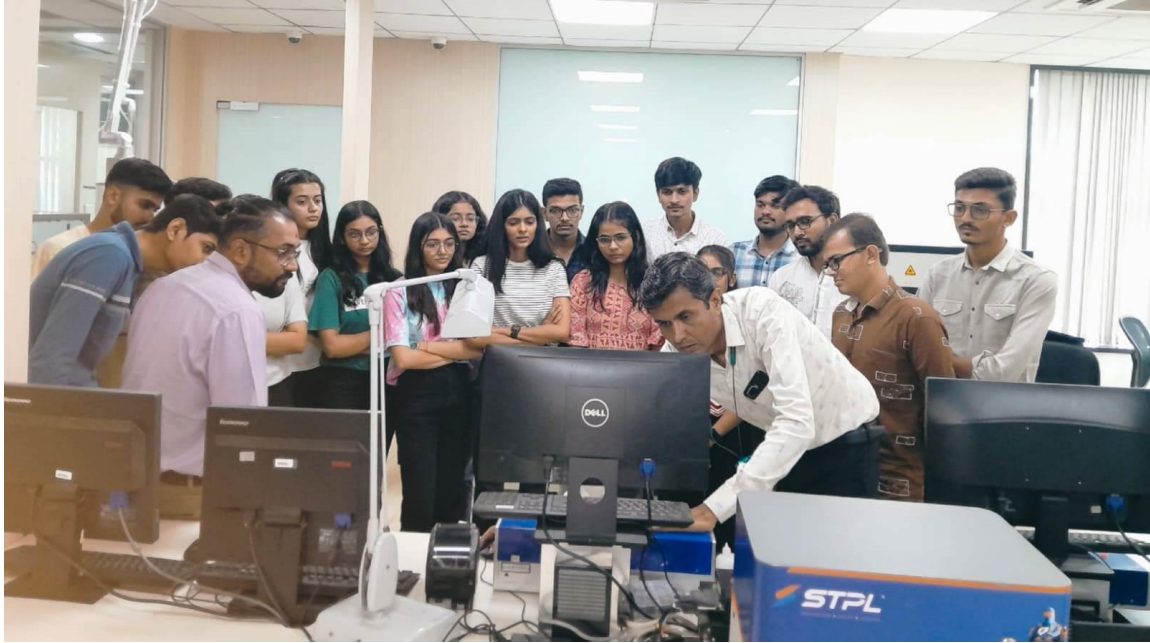
After that students along with faculties were offered lunch. After finishing lunch there was feedback session followed by group photo. Then we left company at 2:45 p.m.

Overall experience of students who visited STPL was very good.

Following are the few images during company visit.







Report Compiled By: Prof. Hiren H. Vavaiya