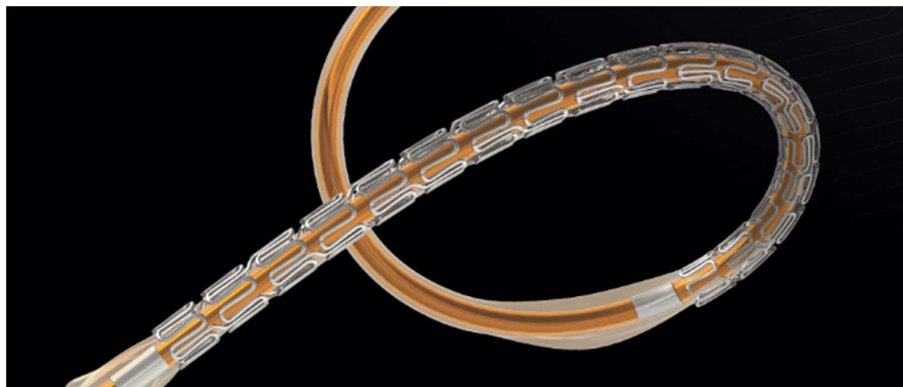


A BRIEF REPORT ON INDUSTRIAL VISIT TO Sahajanand Medical Technologies Ltd



Location: Sachin, Surat

DEPARTMENT: Instrumentation & Control
PREPARED BY: Tejal Joshi

Details of Visit

Plant: Sahajanand Medical Technology Pvt Ltd.

Date of Visit: 30/09/24

Time: 10:00 am to 1 pm

Faculty Guide: Utpal Pandya, Brijesh Naik, Tejal Joshi

Students : BTech IVth year students

The industrial visit to Sahajanand Medical Technology was scheduled on 30st Sep, 2024 for Final year students of I&C department. All students with faculties reached at 10: am at entrance of SMT, SEZ, Sachin .

SMT is a leading global developer and manufacturer of minimally invasive cardiovascular devices including coronary, structural heart and closure occluder devices.

The objective of industrial visit was to show the process of medical devices production as final year students have gone through Biomedical Instrumentation subject in their previous semester..

The HR manager Niki Gandhi gave presentation and introduction of the organization and its journey. The company produces various stents, aortic valve, balloon etc for heart surgery. They follow ISO 13485 standards for manufacturing all medical products. The company exports all products outside India and most of reputed heart hospitals are its clients. Two engineer from the company divided the whole student-faculty group in two groups and then we were shown whole process of stent manufacturing. The plant has many expensive laser cutting machines, chemical processing labs which is fully sterilized and ambient environment is maintained inside the labs. Every one entering the manufacturing plant had to wear aprons to prevent bacteria inside the plant. The stent is made by laser cutting machines from the imported rod of chromium cobalt material. And Then after chemical processing, drug coating is done in stent. The guiding catheter for inserting stent by surgeon is also manufactured there.

The students were amazed to see such a big medical product manufacturing plant. The students and faculty enjoyed great hospitality offered by HR manager of SMT.

Few glimpses of industrial visits are shown here.



