

**DON BOSCO INSTITUTE OF TECHNOLOGY, KURLA(W), MUMBAI-70
DEPARTMENT OF COMPUTER ENGINEERING.**

○

**REPORT ON FACULTY INDUSTRIAL VISIT BY COMPUTER DEPARTMENT IN
COLLABORATION WITH INDUSTRY INSTITUTE INTERACTION COMMITTEE OF
DBIT**

DATE: 23/11/2018

NAME OF THE INDUSTRY: Hindustan Aeronautics Limited, Nasik

NO. OF PARTICIPANTS: 10 department faculty

OBJECTIVE:

1. To make faculty aware about industry practices i.e, Industry 4.0 and its applicability to Education 4.0.
2. To get acquainted with latest technical tools used in industry useful for the knowledge enhancement of students.
3. To bridge gap between the Industry-Institution interaction.
4. To search the industrial training, sponsored project, summer/winter internship etc for students.

OUTCOME:

1. Understands the meaning of Industry 4.0 in reality and its application to Education 4.0.
2. Build strong Industry Institute network useful for better curriculum delevoring.
3. Enhance the knowledge level of the students by sharing industrial practices.
4. Have hands-on experience or awareness about latest technical tools used in industry.

The Department of Computer Engineering of DBIT has organized a faculty industrial visit on 23/11/2018 at Hindustan Aeronautics India Ltd (HAIL), Nashik in collaboration with Industry Institute Interaction committee of DBIT. This was a great opportunity for faculties to visit and explore various units of Hindustan Aeronautics Limited.

First faculites visited training and development division of Hindustan Aeronautics Limited. Mr. Ashutosh Chandorkar made a presentation in front of the faculty members of DBIT. He explained that Hindustan Aeronautics Limited was started back in 1962. Hindustan Aeronautics Limited has 3 divisions at present. It is spread through the 4800 acres. Various series of aircrafts like Sukhoi-30 MK 1 are designed and manufactured at Hindustan Aeronautics Limited. At present there are 32,100 employees at Hindustan Aeronautics Limited. He also shared photographs of manufacturing during the presentation.

During presentation Mr. Chandorkar explained that Hindustan Aeronautics Limited provides

Report prepared by Ms. Nilakshi Joshi

training the ITI, diploma and degree students with stipends.

After the presentation faculty visited to CNC shop. There supervisors explained that aircraft is manufactured in 3 parts and it is complex process. He sharef that various machineries for manufacutirng the aircrafts are exported from Russia, Japan and showed faculties how the wings of the aircrafts are manufactured in CNC shop with machinaries. The CAD/CAM division is desinging the inputs for these machinaries and the control unit is controlling the manufacturing process. It was indeed a good experience for the faculties to witness automation with little human intervention thorough interdisciplinary design of the process.

The next unit that we visit was an overhaul nad rotating shop. After wear and tear of the aircraft the parts are sent to this division. The supervisor demonstrated the parts of the aircraft and their overhaling process and testing process with diagrams and took us through the shop where this process was currently going on some parts that he explained.

After the lunch faculties visited the subassembly and assembly division where all the parts of the aircrafts are assembled together. The supervisor explained that this reassembly is not easy and requires more time. It was interesting to know that per year only 10-12 aircrafts are finally manucatured. It was a greate experience to witness the subassembly and assembly unit as it had 3-4 aircrafts kept in line and the assembling process was in progress.

Finally the visit ended at Training and Placement division where the faculties thanked Mr. Lab Maher and Mr. Ashutosh Chandorkar of Training and Placement division, of Hindustan Aeronautics Limited for their efforts and support for permitting and organizing the industrial visit at Hindustan Aeronautics Limited. Dr. Phiroj Shaikh and Ms. Sana Shaikh presented the token of appreciation to Mr. Lab Maher.

Some of the photographs of the industrial visit are as follows:



Report prepared by Ms. Nilakshi Joshi



TEAM:

Dr. Phiroj Shaikh
Mr. Imran Ali Mirza
Ms. Nilakshi Joshi
Ms. Sejal Chopra

HOD

Ms. Sana Shaikh

Report prepared by Ms. Nilakshi Joshi