



Report On One Day “Industrial Visit”

Place of Visit: Hindustan Aeronautics Limited (HAL) Museum

Date of Visit: 18th August 2023.

Students: 2nd SEM ECE (45 members)

The II SEM Electrical and Electronics Engineering (ECE) students of BMSIT&M were taken to HAL Museum for Industrial visit on 18.08.2023 that is on Friday as a part of Industry interaction to students along with two faculty members.

The students assembled in the college at 8:45 am to board the bus. As the bus arrived at 9:00 am the students boarded the bus and started from college and reached HAL Museum at 10:30 am. Approximately 45 students took part in this industrial visit. Attendance were taken by the teacher and Tickets were collected for all students by paying amount of Rs 50 per head. Next all the students entered the Museum and started to visit all places inside the Museum.

Hindustan Aeronautics Limited (HAL) Heritage Centre & Aerospace Museum, Bangalore, the first of its kind in India established in 2001, is situated at the intersection of HAL Old Airport Road & Basavanagar Road. It is about 17 Kms from the Bengaluru City Railway Station. The Heritage Centre & Aerospace Museum is sprawled over 4 acres of lush green land. There are two major halls, one displaying the photographs that chart the growth of aviation in each decade from 1940 till date and a Hall of Fame that takes the visitors on an exciting journey through the Heritage of Aerospace & Aviation Industry in India.

The second Hall highlights the various functions of an Aero Engine by displaying motorized cross sections of various models of Aero Engines. Real Engines such as Garret (for Dornier Aircraft), Adour (for Jaguar Aircraft) and Orpheus (for Kiran Aircraft) can be seen here along with Ejection Seat with Parachute; and Pushpak & Basant Aircraft.



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Under VTU)

Outdoor display of Aircraft such as MARUT, MIG-21, HT-2, KIRAN, CANBERRA, AJEET, LAKSHYA (Pilotless Target Aircraft) & many more, will excite aerospace lovers of all ages - kids, students and adults.

A Unique exhibit is the ATC Radar parched with L Band surveillance Radar having a range of 200 nautical miles which rotates at speed of 3-4 RPM, with the frequency of 1250-1350 MHz and Meteorological Radar. In addition, PSLV model & PSLV Heat shield are displayed to give a glimpse of forays made by the country in space technology. There is a visual show to know more about various aircraft history every one hour.

The Museum has an excellently landscaped exterior with an exclusive Rose Garden, Orchidarium and Herbal Garden with a number of exotic varieties. A children's play area provides kids endless hours of fun and good cafeteria for refreshment. A sustainability park displays working models of solar power systems, biogas plant and hybrid windmills to educate visitors and students on alternate energy sources which help conserve natural resources and preserve the environment.

OUTCOME OF THE VISIT:

1. The students are able to know the full spectrum of expertise in all facets of aircraft design & development.
2. They are able to familiarize with Aviation history and the materials used to build aircraft prototypes. Further, they get to know about simulation and analysis tools to support flight development programs.
3. The students are able to understand the Avionics Systems consisting of secure communication, Identification systems, Radio altimeters, Ground Radars, Flight Control systems, on Board Computers, Navigation, Electronic Warfare, Hybrid Micro-electronics and Space Applications.

THE GLIMPSES OF THE VISIT:



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT (Autonomous Under VTU)





BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Under VTU)





BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Under VTU)





BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Under VTU)

