

## Report on One-day Industrial Visit to HAL, Bangalore

A one-day Industrial visit to Hindustan Aeronautics Limited (HAL), Bangalore, was organized by the Department of Electronics and Communication, on 28<sup>th</sup> February 2020. 53 students of 6<sup>th</sup> semester, along with 2 faculty members, undertook this Visit.

Hindustan Aeronautics Limited is synonymous with the growth of the Aeronautical industry in India, for more than 79 years. Hindustan Aeronautics Limited (HAL) is responsible for the design, development, manufacture, repair and overhaul of aircraft, helicopters, engines and related systems like avionics, instruments and accessories. There is a simulation exhibition center at HAL, for the benefit of students.

Ms. Revathi from the HAL unit explained the functions of Aero Engine. Displays of 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 and Basant Aircrafts.



The students also gained the knowledge about the working principles of radars, navigation, and identification systems of aircrafts and helicopters. They saw working models of solar power systems, biogas and hybrid windmills. The personnel at HAL also explained about alternate energy sources, and how to conserve natural resources and preserve the environment.



A half-an-hour open interaction with the HAL team was very productive. It was a great experience for the students to interact with the professions. A video depicting the overall working methodology was also shown. The HAL team cleared many doubts which our students had about aircrafts.

The Industrial Visit was a great benefit for the students – it helped them to directly acquire a practical and working knowledge of aircrafts.

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