



## Report Industrial Visit (Department of Aeronautical Engineering) to NAL Belur Campus

Nov 19, 2019

National Aerospace Laboratories (NAL) is India's first largest Aerospace firm. It was established by the Council of Scientific and Industrial Research (CSIR) at Delhi in 1959. NAL is a high technology oriented institution concentrating on advanced topics in the aerospace and related disciplines.



Final Year Students of Aeronautical Engineering visited the NAL, Belur campus on 13/11/2019.

The students were accompanied to the High speed combustion facility, to understand the combustion process which takes place in Ramjet, Scram jet and Rockets engines. Students also witnessed the process of measurement of physical parameters like pressure, temperature and velocity. In the **MAV Aerodynamics Research Tunnel (MART)** facility, the team was introduced to Suchan MAV developed by NAL. It can carry a payload of 1.6kg, endurance of 20mins, with a range between 300-400 miles and an altitude of 1km. The **Acoustic test facility**, and **0.6M Trisonic wind tunnel** is one of a kind in the Country. The one day visit was an experiential learning in the field of Aerodynamics and Gas Dynamics.

The visit was organised under the guidance of Dr. S K Maharana and was facilitated by Prof. Steffi Thangachan. The students were accompanied by Prof. Roohi k and Prof. Kruthika K C.