ATHARVA EDUCATIONAL TRUST'S
ATHARVA COLLEGE OF ENGINEERING
(Approved by AICTE, Recognized by Government of Maharashtra
& Affiliated to University of Mumbai - Estd. 1999 - 2000)
Department of Humanities and Applied Sciences

REPORT ON INDUSTRIAL VISIT

Industrial Visit to Bangalore (FE-1)
Date: 4th Feb - 8th Feb 2019

Faculty Member: Nilesh Gaddapawar and Arvind Kamkhedkar

Visited Industries:

1. Hindustan Aeronautical Limited, Banglore.
2. JVS Electronics pvt. Ltd.
3. ACE Designers Limited.
4. Visvesvaraya Industrial and Technological Museum, Banglore.

Introduction:

Industrial Visit was organized for First year students to Bangalore and they visited the industry

Day 1: 4th February, 2019

Place of visit: ***Hindustan Aeronautical Limited*** (Heritage centre and Aerospace Museum)

Address : Near HAL Police Station, HAL Old Airport Rd, Marathahalli, Bengaluru, Karnataka 560037

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. 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.

For the academically inclined, a Library on Aerospace provides opportunity to trace the exciting development of the industry since the 1940s. While the Museums' prized possessions include various types of Aircraft models on static display, the availability of Audio-Video facility and display of translides enhances the experience immeasurably. Taking ones experience a notch above are the true-motion simulators that puts oneself in the pilot's seat, offering a

thrilling ride. It is where visitors of all ages can explore and imagine what it would be like to soar through the skies and have realistic feel of flying fighter jets & commerical aircraft.

Day 2: 9th February, 2019

Place of visit: ***Mysore Palace***

Address: Sayyaji Rao Rd, Agrahara, Chamrajpura, Mysuru, Karnataka 570001

Mysore Palace is a historical palace and a royal residence at Mysore in the Indian State of Karnataka. It is the official residence of the Wadiyar dynasty and the seat of the Kingdom of Mysore. The palace is in the centre of Mysore, and

faces the Chamundi Hills eastward. Mysore is commonly described as the 'City of Palaces', and there are seven palaces including this one; however, 'Mysore Palace' refers specifically to this one within the Old Fort.

The land on which the palace now stands was originally known as puragiri (literally, citadel), and is now known as the Old Fort. Yaduraya built the first palace inside the Old Fort in the 14th century, which was demolished and constructed multiple times. The current structure was constructed between 1897 and 1912, after the Old Palace was burnt ablaze.

Day 3: 10th February, 2019

Place of First Visit: ***JVS Electronics pvt. Ltd.***

Address: Manchanayakanahalli, Bidadi hobli, Mysore highway ,Bangalore - Mysore Road, 121, Hampapura Road, Bengaluru, Karnataka 562109

Established in 1990, Jvs Electronics Pvt. Ltd. has made a name for itself in the list of top suppliers of Relays, Relays in India. The supplier company is located in Bengaluru, Karnataka and is one of the leading sellers of listed products.Jvs Electronics Pvt. Ltd. is listed in Trade India's list of verified sellers offering supreme quality of Self Powered Current Relay, Definite Time Over Voltage Relay, Inverse Time Current Relay etc. Buy Relays in bulk from us for the best quality products and service.

Place of Second Visit: ***Ace Designers Ltd***

Address: Plot No. 7 & 8, 80 Feet Road, Peenya II Phase, Peenya, Bengaluru, Karnataka 560058

Ace Designers, led by three experienced design engineers and powered by a dynamic team of more than 500 members is one of India's largest machine tool manufacturing companies. With a spread of over 50000 square meters, its manufacturing plants, located in Bangalore, India, are equipped with state of the art technology to deliver large scale high quality products.

Ace Designers, was founded in 1979 as a design-consulting firm. Initially, the team developed product designs for various machine tools including special purpose machines. Three years hence, in 1982, Ace stepped into the world of manufacturing with a range of special purpose import substitution machines for the I. C. Engine valve Industry.

Since then, Ace has rapidly grown to become India's largest manufacturer of CNC turning centres and has remained the undisputed leader for nearly two decades. With a strategic focus on manufacturing of CNC turning centres, Ace

has developed a wide range of indigenous cost effective products to meet the changing needs of its customers. Ace has ensured product excellence through quality driven manufacturing processes supported by meticulously planned world class infrastructure.

Having played a vital role in the Indian industrial renaissance, Ace machines have established their footprint in the global arena too. They have found acceptance in Europe, USA, South America, UK, Middle East, China, South East Asia, Japan and Australia.

Place of third Visit: Visvesvaraya Industrial and Technological Museum (National Council of Science Museums)

Address: Near Chinna Swamy Stadium, Kasturba Rd, Ambedkar Veedhi, Bengaluru, Karnataka 560001

The Visvesvaraya Industrial and Technological Museum, (VITM), Bangalore, India, a constituent unit of the National Council of Science Museums (NCSM), Ministry of Culture, Government of India, was established in memory of Bharat Ratna Sir M Visvesvaraya. The building, with a built up area of 4,000 m2 (43,000 sq ft), was constructed in Cubbon Park. It houses various scientific experiments and engines, and was inaugurated by the first Prime Minister of India, Pandit Jawaharlal Nehru, on 14 July 1962. The first gallery set up at VITM, on the theme of 'Electricity', was opened to the public on 27 July 1965.