

### MESA Activities

Sr. No.	Activity	Date
01	Stress Management Workshop	31.08.2018
02	Teachers Day Celebration	05.09.2018
03	Departmental Annual Sports "MESA Cup"	1-9, April 2019
04	Study and Research in Germany with "DAAD"	25.04.2019
05	Blood Donation Drive in association with BOMBAY HOSPITAL BLOOD BANK	22.01.19
06	One month AIRINDIA INTERNSHIP	18.12.18 TO 13.01.19
07	One month BEST INTERNSHIP	17.12.18 TO 14.01.19
08	Industrial Visit to Rashtriya Chemical Fertilizers, Chembur	18.02.2019
09	Industrial Visit to BARC, Anushaktinagar	28.02.2019
10	Industrial Visit to MAHINDRA and MAHINDRA, Kandivali plant	24.03.2017
11	Industrial Visit to IDEMI, Chunabhatti	



**Stress Management Workshop**



**Teachers Day Celebration on 05.09.2018**



Departmental Annual Sports “MESA Cup”



## STUDY & RESEARCH IN GERMANY



→ First steps in Germany

### Study and Research in Germany with “DAAD”



### BLOOD DONATION DRIVE

## Air India internship



**Air India** is the flag carrier airline of India, headquartered at New Delhi. It is owned by Air India Limited, a government-owned enterprise, and operates a fleet of Airbus and Boeing aircraft serving 94 domestic and international destinations. MESA organised an industrial visit to air India at **Chhatrapati Shivaji Maharaj International Airport, Mumbai** on 18th December, 2018 to 13th January: 2019. The students experienced the grand scale of operations of air India and the repair work carried out by them. The students were familiarised with various components of the aircrafts and were taken onsite to see and assist in the maintenance of these aircrafts. They learnt in depth about the various components like the landing gear, parking brakes, the jet engines etc. this internship was beneficial not only for the engineering aspect but also as to how does an organisation function.



One month AIRINDIA INTERNSHIP

## Brihanmumbai Electricity Supply and Transport (BEST) internship



The Brihanmumbai Electricity Supply and Transport (BEST) is a civic transport and electricity provider public body based in Mumbai. BEST operates one of India's largest fleets of buses. The bus transport service covers the entire city and also extends its operations outside city limits into neighbouring urban areas. MESA arranged an internship for the third-year mechanical students of SPCE at BEST Wadala from 17th December 2018 to 14th January 2019. This internship provided the students the opportunity to not only familiarise with the various components of the BEST buses but also see and learn the repair and maintenance process for the buses. This internship was not only beneficial to the students interested in automobiles but also to all the students as this was an opportunity to see in person the various engineering practices.



One month BEST Internship



## One day I.V. to Rashtriya Chemical Fertilizers.

The class of final year BTech Mechanical visited Rashtriya Chemicals and Fertilizers Limited in Chembur on 18<sup>th</sup> February 2019. Rashtriya Chemicals & Fertilizers Ltd. (RCF) is a Public Sector Undertaking (PSU) in India under the Ministry of Chemicals and Fertilizers of the Government of India. The manufacturing unit at Trombay is spread across 765 acres (including township) and manufactures ammonia, urea, ANP, methanol, nitric acid, sulphuric acid, etc.



The 1-day industrial visit was divided into two halves. In the first half we were engaged in an interactive session about the role of a mechanical engineer in an industry. We were told about the different types of industries and the process equipments which are required in them. In this first session we learned about pressure vessels, heat exchangers, piping, pumps, compressors, turbines and several other equipments.

The second half started with an informative session on the Haber-Bosch process used in the production of ammonia. This session was followed by the plant visit in which we were guided through the plant. We discussed the various aspects of handling a large-scale project such as the setup of the ammonia plant and were able to identify the different units and learned more about them in terms of their materials, capacity and other specifications.

## Industrial Visit to Rashtriya Chemical Fertilizers, Chembur





## One day visit to BARC

The **Bhabha Atomic Research Centre (BARC)** is India's premier nuclear research facility, headquartered in Trombay, Mumbai, Maharashtra. BARC is a multi-disciplinary research centre with extensive infrastructure for advanced research and development covering the entire spectrum of nuclear science, engineering and related areas.

BARC's core mandate is to sustain peaceful applications of nuclear energy, primarily for power generation. It manages all facts of nuclear power generation, from theoretical design of reactors to, computerised modelling and simulation, risk analysis, development and testing of new reactor fuel materials, etc. It also conducts research in spent fuel processing, and safe disposal of nuclear waste. Its other research focus areas are applications for isotopes in industries, medicine, agriculture, etc. BARC operates a number of research reactors across the country.

Every year MESA arranges an Industrial Visit for students of first year on the occasion of national science day exhibition. This includes seeing state of the art new tech as well as seeing a nuclear reactor up close.



Industrial Visit to BARC, Anushaktinagar

## Industrial Visit By MESA

Mahindra & Mahindra Kandivali



**Industrial Visit to MAHINDRA and MAHINDRA, Kandivali plant**



IDEMI Chuna Bhatti

**Industrial Visit to IDEMI, Chunnabhatti**