

Report of visit at ACEM, Nashik

MET's Institute of Engineering, Bhujbal Knowledge City has organized informative visit at Advanced Centre of Energetic Materials (ACEM), Nashik as per invitation letter received from ACEM. As a part of "Azadi Ka Amrit Mahostav" celebration, an initiative of Government of India to celebrate and commemorate 75 years of Independent India, Defence Research and Development Organization (DRDO) is undertaking various activities. In continuation to this, an exhibition was organized from 22nd to 24th February 2022 at ACEM, Nashik. The main intent of exhibition was to brief about various flagship products of DRDO and to highlight various activities of ACEM during processing of Solid Rocket Motors.

As per the invitation on 22nd February 2022 our principal and senior faculty members were invited for inaugural function of exhibition by ACEM. For visit we selected 28 students from first year engineering along with two staff members under the certain rules and regulations declared in invitation letter on 23rd February 2022 at 10:00AM. The exhibition was in collaboration of Advanced Centre of Energetic Materials (ACEM), Nashik and High Energy Material Research Laboratory (HEMRL), Pune.

Advanced Centre for Energetic Materials (ACEM) has the following main areas of work:

- Development & processing of case bonded composite propellants for missiles.
- Testing of Rocket Motors.

During the exhibition students got the knowledge about various applications of subject Physics, Chemistry, Mechanical, Electronics, Computer, Electrical & Civil engineering. Precaution to take at the time working in radiation sector, various radiation indicators, quantity of the doses of radiation in human body to sustain it, infrastructure of radiation sector and equipments to calculate radiation in that region. Also student got the knowledge about testing of Rocket Motors through visualization by very high resolution camera, other testing equipments. Regarding mechanical, working on lathe machines, cutter of internal parts of rockets. Fire extinguisher and precautionary system during working. Information about various insulator inside the rocket motor as well as outside to maintain the temperature. The organizations develop expertise and technologies relating to High Explosives, Propellants and Pyrotechnics and transfer the technologies to industry. Students got exhaustive information about various products of ACEM and HEMRL related to Solid Rocket Motor.

Glimpses of Visit:





Feedback from Students:

It was a great experience to visit there. I explored a lot of things there.

-Palve Samarth Bhima (Div-A)

It was so informative, and beautiful experience at ACEM Nashik.

-Shelar Pranita Kailas (Div-H)

The visit was really informative and we enjoyed it!!

-Prajwal Sunil Matsagar (Div-E)

It is very nice experience for me to visit the ACEM DRDO, We can understand all things properly.

-Aher Dipti Ramlal (Div-C)

Defence research and development organisation visit to B.E.S.T. visit so far so good till now, organized for first year student.

The guiding staff on site was very supportive to all students.

What I Understood :-

DRDO is under ministry of defence with vision to empower India, which develops anti tank, NAG, Akas missile may more, explosive detector based on artificial intelligence and so many products.

We are sure that this visit will help us in our future practical life.

Bring a positive change in our thinking and our knowledge increased,

Practical behavior regarding education and specially engineering.

Thank you,

-Manasi Kailas Malode (Div-A)

It was a very wonderful exhibition and Well done. And a big thanks to all for giving my opportunity to participate in the exhibition. This is to express my heartfelt gratitude to all the teacher's for making this exhibition a great success.

-Shubham Bhausahab Gaikwad (Div-G)

We are very lucky that we visited ACEM, Nashik. I thought the way those people thought was very different. We learned a lot of little things they told us, I understood a lot of new things. They explained to us in a very nice way how things work. That made us curious about these things. It was great to visit at ACEM, Nashik.

-Riya Sambhaji Patil (Div-E)

Today's exhibition was really good and very informational. Today's I learned about rocket motors and other products of ACEM and DRDO. Thank you for giving me chance to attend the today's exhibition.

-Wagh Tanmay Sunil (Div-C)

I got some new information and I see to some new new parts in mechanical engineering.

-Nikam Swamini Babasaheb (Div-A)

I got information about the rocket motor, missiles etc. I got information about various divisions. Thank you...!

-Ahire Sakshi Anil (Div-F)