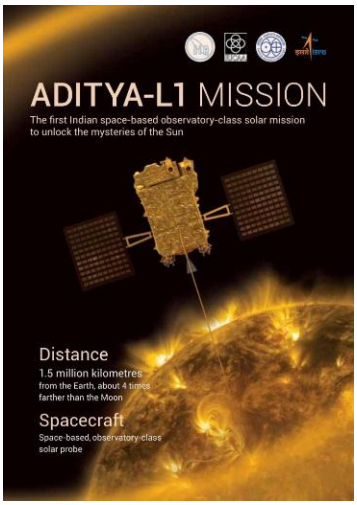
Engineering Without Borders SVCE Student Chapter

ISRO VISIT

(An official visit to witness the space vehicle launch of ADITYA L1 from ISRO)

Observation report



On 2nd September 2023, the members of Engineers without Border (EWB-SVCE) had the privilege of witnessing an extraordinary event in the history of Indian space research – a rocket launch conducted by the Indian Space Research Organization (ISRO), one of the world's leading space agencies. The rocket launch was not just a scientific endeavor, it was a testament to human ingenuity and the relentless pursuit of knowledge. This report documents members of EWB visit to ISRO and provides insights into the latest satellite vehicle launch of ISRO about India's first solar observatory mission (ADITYA-L1).

The Indian Space Research and Organization operates as the primary research and development arm of the Department of Space (DOS), which is directly overseen by the honorable Prime Minister of India. ISRO is situated in Sriharikota which is present in the state of Andhra Pradesh. The organization completed multiple space researches successfully which includes their latest successful mission called Chandrayan-3 which deployed a rover called Pragyan on the south pole of the moon. The ADITYA-L1 satellite aims to illuminate various facets of the Sun's activity, including coronal mass ejection (CME). It will also monitor the near-Earth space environment and contribute to refining space weather forecasting models

To witness and learn through this launch, EWB-SVCE offered 17 slots exclusively for the members of the club through Mr. Gokul from EWB-Chennai. All members were allowed to register for this event, and from that 17 members were selected based on their activity status in club events that occurred on the previous academic year. All selected members were asked to pay their respective financial support to contribute towards the transportation cost for the whole visit. All visitors were asked to enter the premises of the ISRO before 8:30 AM. Students across the whole India visited to witness this historic event. Almost 11,000 people registered their presence in the visiting stance. As planned ISRO launched their polar satellite launch vehicle precisely with no time delay. The primary purpose of the visit was to witness the meticulous planning, precision, and dedication that goes into launching a rocket into space. Moreover, members of the club were expected to gain insights into the technology and expertise that ISRO employs in its space missions.

Watching a rocket launch is an inspiring and educational experience especially for a student who is pursuing a degree in engineering because provides a real-world application of science and technology, ignites a passion for space exploration, and can motivate them to gain interest over STEM (Science, Technology, Engineering, Mathematics) careers. Witnessing a launch also highlights the historical significance of space exploration, fosters curiosity, and showcases the collaborative efforts behind space missions.

Overall, it was a transformative event that could help students in many ways. As a club that focuses and believes in the humanitarian way of sustainable development through students from interdisciplinary fields and interests, it is considered a very important visit that encourages students to develop themselves. In the end, heartfelt gratitude to the entire ISRO team and Mr. Gokul from EWB-Chennai for granting the members of EWB-SVCE this incredible opportunity to witness a rocket launch. Their hospitality, professionalism, and commitment to advancing space exploration were truly commendable.


GPS Map Camera
Shar Project, Andhra Pradesh, India
P558+Q63, Shar Project, Sriharikota, Andhra Pradesh 524124, India
Lat 13.707758°
Long 80.167118°
02/09/23 12:20 PM GMT +05:30
Google


GPS Map Camera
Shar Project, Andhra Pradesh, India
P558+Q63, Shar Project, Sriharikota, Andhra Pradesh 524124, India
Lat 13.707758°
Long 80.167118°
02/09/23 12:20 PM GMT +05:30
Google


Public Outreach
GPS Map Camera
Shar Project, Andhra Pradesh, India
P558+Q63, Shar Project, Sriharikota, Andhra Pradesh 524124, India
Lat 13.707758°
Long 80.167118°
02/09/23 10:01 AM GMT +05:30
Google


Public Outreach
GPS Map Camera
Shar Project, Andhra Pradesh, India
P558+Q63, Shar Project, Sriharikota, Andhra Pradesh 524124, India
Lat 13.707758°
Long 80.167118°
02/09/23 10:01 AM GMT +05:30
Google

Dr.R. Palani

Faculty advisor

Engineers without borders – SVCE student chapter