



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Information Science and Engineering

Report on Industrial Visit to DRDO-ADE, Bengaluru

The Department of Information Science and Engineering students had been to **DRDO-ADE**, Bengaluru on 18-April-2024 as a part of Industrial visit to explore and experience the real work in multidisciplinary field and interacted with software & hardware engineers to understand the workflow in the organization. Around 20 students along with Dr. Arvind S. Kapse, Professor and Ms. Neha Jadhav, Assistant Professor, ISE, NHCE, Bengaluru visited the DRDO-ADE

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Industrial visit

To

"DRDO - Aeronautical Development Establishment"

18 April 2024 | 09:00 AM To 02:00 PM

XMH2+QRP, Suranjan Das Road, PO, New Tippasandra, Bengaluru, Karnataka 560075

Faculty Coordinators:
Dr. Arvind S. Kapse
Professor, ISE

Convenor:
Dr. Vandana C P
HOD-ISE

We started our industrial visit journey towards **DRDO-ADE** Bengaluru at 09:30 am and reached there around 10:00 am on 18-April-2024. The DRDO-Aeronautical Development Establishment is located in XMH2+QRP, Suranjan Das Road, PO, New Tippasandra, Bengaluru, Karnataka 560075.



DRDO-Aeronautical Development Establishment (ADE) is one of the premier research laboratories under the Defense Research and Development Organization (DRDO) in India. ADE specializes in the development of advanced technologies and systems for the Indian Armed Forces, with a focus on aeronautical engineering and aerospace technology. The objective of the industrial visit was to understand the role of DRDO-ADE in enhancing the defense capabilities of the nation and to observe the state-of-the-art facilities and infrastructure available at the establishment.

The industrial visit started with a brief introduction to DRDO-ADE, its history, and its contributions to aeronautical research. The participants were then divided into smaller groups and assigned guides who accompanied them throughout the visit. The TEJAS cockpit simulator is a training device designed to provide a realistic virtual environment for pilots to practice operating the TEJAS aircraft's cockpit systems and controls. It allows pilots to familiarize themselves with the various instruments, displays, switches, and controls found in the TEJAS cockpit. ABHYAS is an autonomous expendable target drone developed by the Defense Research and Development Organization (DRDO) of India. It is primarily used for target acquisition and missile testing purposes. ABHYAS is designed to simulate enemy aircraft and missiles during weapon system testing and evaluation by the Indian Armed Forces. DRDO (Defense Research and Development Organization) has been involved in the development and deployment of various UAVs (Unmanned Aerial Vehicles) for military purposes. These UAVs play a crucial role in surveillance, reconnaissance, and combat operations. The industrial visit to DRDO-Aeronautical Development Establishment proved to be an enriching experience for the participants.

The industrial visit to **DRDO-ADE, Bengaluru** was helpful for our students in incorporating their discipline and implementing their best practices into our department.





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List of Students & Faculties willing to visit DRDO-ADE, Bangalore on 18-April-2024

Sr. No.	USN	Full Name (in Capital Letters)	Class with Section	Mob. No.
1	1NH21IS002	ABHINANDAN ANANT NAIK	6A	7899951612
2	1NH21IS003	ABHINAV KUMAR	6A	8294687878
3	1NH21IS007	ADITYA KUMAR	6A	7484052012
4	1NH21IS026	ARYAN GHAI	6A	636170042
5	1NH21IS045	D KAVERI	6A	9481661075
6	1NH21IS050	DHRUV MANKAD	6A	9137339933
7	1NH21IS051	DHRUV MEHTA	6A	8147631448
8	1NH21IS064	ISHA P PAWAR	6A	8904824911
9	1NH21IS103	NISCHITHA M	6B	9945023591
10	1NH21IS117	PRAKET TAMHANKAR	6B	8277331262
11	1NH21IS122	RAHUL S	6B	9632115028
12	1NH21IS123	RESHMA GOWDA V	6B	9739325279
13	1NH21IS131	SAI SUMUKH G S	6B	6363443838
14	1NH21IS141	SATYA CHARAN V	6B	9353653900
15	1NH21IS142	SEETHARAM MAYYA	6B	9606340856
16	1NH21IS145	SHODHANA K	6C	8861714675
17	1NH21IS157	SRISHTI JAISWAL	6C	7795008347
18	1NH21IS170	TRUPTHI S ANAND	6C	7975986975
19	1NH21IS174	VARSHA K	6C	9626225295
20	1NH22IS407	NAVEEN A	6B	7975464127

Faculties

Sr. No.	Name	Designation	Mob. No.
1	Dr. Arvind S. Kapse	Professor	9767670678
2	Mrs. Neha Jadhav	Assistant Professor	9949366846

Dr. Arvind S. Kapse
 Professor, ISE
 Industrial Visit Coordinator

13/4/2024
 Head of the Department
 Information Science and Engineering
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