



Gyanmanjari Institute of Technology Bhavnagar

International Automobile Centre of Excellence (iACE), Gandhinagar Industrial Visit Report

Visit Date: 26/09/2025

No. of Student	39
Department	Aeronautical/ Mechanical Engineering
Semester	5th
Faculty Co-Ordinator	Prof. Bhavesh Makwana & Prof. Anjali Nair

Student List

Sr. No.	IACE VISIT LIST	
1st B.tech Aero/Mech		
1	DAVE KRISH UTTAMBHAI	MECH
2	YADAV AAYUSH HIRENBHAI	MECH
3	BARAIYA RIDDHI PRAVINBHAI	MECH
4	PARMAR JAIMISHA BHAVIKBHAI	MECH
5	VYAS DEV AMITBHAI	MECH
6	SHAH YUG SAMIRBHAI	MECH
7	YADAV LAKSHYA JAYESHBHAI	MECH
8	BARAIYA HETVI ANILBHAI	AERO
9	DANKHARA YENJAL ASHVINBHAI	AERO
10	JOGADIYA HIREN PRAVINBHAI	MECH
11	MAKWANA KARM	MECH
12	JADEJA JAYRAJSINH PRUTHVIRAJSINH	AERO
3rd B.tech Aero/Mech		
13	SOLANKI DARSHAK SANJAYBHAI	MECH
14	KAVA DHRUV KISHORBHAI	MECH
15	SOLANKI LAKSH CHETANKUMAR	AERO
16	CHAUHAN MANTHAN UDAYBHAI	AERO
17	DODIYA YASH BHAVESHBHAI	MECH
18	SONANI RAJ PANKAJBHAI	MECH
19	SHAH MEHUL NIMESHBHAI	MECH
1st Diploma Mechanical		
20	PARMAR VANRAJ JATINBHAI	MECH
21	DESHANI DEV JAGJIVANBHAI	MECH
22	GOHIL MANDIPSINH PRADIPSING	MECH
23	JADEJA JAYVEERSINH CHANDRSINH	MECH
3rd Diploma Mechanical		
24	GOHIL AKSHAY	MECH
25	BHATT JAY	MECH
26	CHAUHAN BIRAJ	MECH
27	BARAIYA VIVEK	MECH
28	JAMOD UTSAV	MECH
29	BORICHA MIHIR	MECH
30	RATHOD JAY	MECH
31	RATHOD SHUBH	MECH
32	GOHIL KAVYRAJ	MECH
33	PATEL JAINIL	MECH
34	DHARAIYA UMANG	MECH
5th Diploma Mechanical		
35	JANI KETAN HARGOVINDBHAI	MECH
36	BARAIYA VISHAL VINODBHAI	MECH
37	DHANDHUKIYA SHUBHAM VIPULBHAI	MECH
38	GOHIL AATMEEYA YOGIRAJSINH	MECH
39	UPADHYAY OM ANILKUMAR	MECH

Industry Profile:

The International Automobile Centre of Excellence (iACE), located in Gandhinagar, Gujarat, is a premier training and research facility dedicated to advancing skill development and innovation in the automobile and mobility sector. Established as a joint initiative between the Government of Gujarat and Maruti Suzuki India Ltd., iACE aims to bridge the gap between academic learning and industry requirements by providing state-of-the-art training infrastructure, modern laboratories, and industry-relevant programs.

As a centre of excellence, iACE focuses on nurturing skilled professionals equipped to meet the evolving demands of the automotive industry, especially in areas such as electric vehicles (EVs), advanced manufacturing, and sustainable mobility. The institution emphasizes a hands-on learning approach, ensuring students gain both technical knowledge and practical exposure through modern tools, simulators, and real-time project work. iACE also collaborates with leading automotive companies and technology partners to stay aligned with the latest global trends in design, production, and maintenance.

The facility houses specialized labs for automotive electronics, diagnostics, vehicle testing, EV powertrain systems, and advanced service technologies, providing an ideal platform for experiential learning. In addition, the centre offers industry certification programs, workshops, and training modules tailored for engineering students, technicians, and working professionals who aspire to build a career in the automotive domain.

Objective of Visit

The visit to International Automobile Centre of Excellence (iACE), Gandhinagar aimed to expose students to real-world automotive technologies, industrial practices, and skill development frameworks adopted by the automotive industry. The objective was to enhance their understanding of vehicle systems, manufacturing processes, and the transition towards electric and sustainable mobility.

Through live demonstrations, guided tours, and expert interactions, students gained valuable insights into the functioning of modern vehicles, diagnostic tools, and emerging trends such as automation and green mobility. The visit also encouraged them to explore various career and training opportunities available at iACE, fostering a deeper connection between academic learning and professional applications.

Overall, the experience provided a comprehensive understanding of the automotive sector's technological evolution, preparing students to become future-ready engineers capable of contributing effectively to India's growing mobility ecosystem.

About Visit

During the recent visit to the International Automobile Centre of Excellence (iACE), Gandhinagar, students, particularly those from the Mechanical and Aeronautical Engineering branches, had the opportunity to explore one of India's most advanced automotive training and innovation centers. The visit provided an in-depth understanding of the modern automotive ecosystem, emphasizing areas such as electric mobility, vehicle diagnostics, manufacturing technologies, and sustainability in transportation.

Students were introduced to iACE's world-class infrastructure, including automotive service labs, EV training setups, powertrain and transmission sections, mechatronics workstations, and virtual simulation tools. Through guided demonstrations, they observed the integration of advanced technologies such as automation, robotics, and diagnostics in modern vehicle systems. The instructors and trainers at iACE elaborated on the skill development programs and hands-on modules designed to prepare future engineers for real-world industry demands.

A key highlight of the visit was the Electric Vehicle (EV) training zone, where students gained practical exposure to the working principles of electric powertrains, battery management systems, and hybrid vehicle technology. They also explored modern service practices and quality control systems that are integral to automotive production and maintenance. These insights helped bridge the gap between academic concepts and industrial applications, allowing students to see firsthand how theoretical principles translate into practical engineering solutions.

For the participating students, the visit was not only educational but also inspirational—it provided a glimpse into the rapidly evolving automotive landscape and the growing opportunities within sectors such as EV manufacturing, automation, and smart mobility. The experience enhanced their technical awareness, encouraged innovative thinking, and motivated them to pursue excellence in engineering and technology-driven careers.

Photograph



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B. V. Mankar

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TPA Coordinator

Head of Department