A. D. Patel Institute of Technology

New Vallabh Vidyanagar
Expert Lecture on",
"CAD Application in Automotive
Design"
Date: 20.02.2024
(Under the Banner of IIC)

- ❖ **Date:** 20.02.2024

- ❖ **Time:** 11:00 am to 01:00 pm

- ❖ **Institute:** A. D. Patel Institute of Technology

- ❖ **Venue:** IDEA Lab, ADIT

- ❖ **Coordinator:** Prof. Yagnesh Gambhava & Prof. Samarth J Shelat

- ❖ **Convener: Dr. Bhagirath Prajapati**

- ❖ **Banners (Support from professional Societies)**

Sr. No		Name of Co-coordinator/Mentor/Counselor at A.D.I.T
1	Institution's Innovation Council (IIC)	• Dr Bhagirath Prajapati (Convener) • Prof. Khushali Patel (Co-convener)
2	Applicable cell or professional society	•

- ❖ **Delegates:**

Sr. No	Name of the Speaker	Designation and Short Introduction of Speaker
1	Mr. Nirav Sharma	MD, Krishan CAD Centre, Anand

- ❖ **No of Students Participants: 38**
- ❖ **No. of faculty Participants: 05**

- ❖ Students will be able to learn about the CAD application in Automotive Engineering.

❖ **Objective:** CAD allows experts to create more accurate design representations. CAD replaced manual design drafting, allowing design development, alteration and optimization. CAD enables engineers to craft more precise designs and manipulate them virtually. CAD software calculates how multiple materials relate. CAD can be used for every step of the car designing process, from body concepts through to product assemblies, as well as real-world visualizations and simulations to enhance creator and client understandings of the design.

❖ **Outcomes:** Computer-aided design (CAD) plays a central role in automotive development. Students able to learn the software and tools regarding automotive applications in 3D-CAD models not only provide geometry information but also serve as a basis for the configuration of modules and systems, as well as for different simulation and verification processes. This has led to significant improvements in car safety, fuel efficiency, and overall design. AutoCAD can be used to create the initial design of a new vehicle, from the overall shape to the individual components. This can help designers to visualize the vehicle and to make sure that it meets all of the desired specifications.

❖ **Expenditure:** NIL

❖ **Photographs:**

❖ **List of Participants: (Attendance Sheet):**

Date: 20.02.2024

A. D PATEL INSTITUTE OF TECHNOLOGY, CVM UNIVERSITY
Automobile Engineering Department
ATTENDANCE: EXPERT LECTURE: CAD APPLICATIONS IN AUTOMOTIVE DESIGN

Sr. No.	Enrollment No.	Name of Student	Signature
1.	12302010603009	Aditya Thanki.	
2.	12302010603003	Dhruv Mistri	
3	12202010601001	Chauhan Divyesh. R	
4	12302010603004	Kartik Maru.	K.S.Maru
5.	12302010603002	Solanki Badal	Bsolanki
6.	12302010603007	Patel shivam	
7	12302010603010	Patel Ved	
8	12302010803005	Manan Chauhan	
9	12302010603008	PATEL URMIK	
10	12302016603006	NIMIT JARIWALA	
11	12302010603012	ZAID. D. VOHRA	
12	12102010601010	Shoblit E. Bobis	
13	12102010601002	Dhruvin Rakhasia	
14	12202010603012	Raj Joshi	
15	12202010603008	Mahir Makhecha	
16.	12302010603011	Viral.M.Modi.	Viral.M.Modi
17	12202010603013	Kadam.Rishio.R	Rishi
18	12202010603019	Makwana VEDANT	
19	12202010603018	Siddhpura TPJ	
20	12102010601005	Ikrrish vaghela	
21	12102010601003	Husen Vhora	
22	12202010603017	Smit Modi	

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A. D PATEL INSTITUTE OF TECHNOLOGY, CVM UNIVERSITY

Automobile Engineering Department

ATTENDANCE: EXPERT LECTURE: CAD APPLICATIONS IN AUTOMOTIVE DESIGN

Sr. No.	Enrollment No.	Name of Student	Signature
23	12202010603004	Patel Gaurang Jayeshbhai	Gulang.
24	12102010601001	Patel Dev Nimeshbhai	Dev
25	12202010603014	Patel Rushabh Ramchandra	R.R.Patel
26	12202010603020	Bhavsar Yash Ashishkumar	
27	12202010603016	Shankar Savant	shankar.
29	12202010603002	Thakar Dhruv	Dhru

Date: 20.02.2024

A. D PATEL INSTITUTE OF TECHNOLOGY, CVM UNIVERSITY
Mechanical Engineering Department
ATTENDANCE: EXPERT LECTURE: CAD APPLICATIONS IN AUTOMOTIVE DESIGN

Sr. No.	Enrollment No.	Name of Student	Signature
1	12202090601002	Dhruv Sanjiv Barochhay	Dhruv
2	12202090601003	Divyansh V. Pandya	JPR.
3	12202090601004	Jeet .J. Patel	Patel
4	12202090601005	Neel N. Popat	N.N.P
5.	12202090601006	Abhishek.K.Sharma	Abhishek
6.	12302090603001	Akshay. J. Patel	A.J. Patel
7.	12302090603004	Het . D. Gandhi	H.D. Gandhi
8.	12302090603006	Kush. S. Parmar	કુશ.એસ.પરમાર
9.	12302090603008	Talpady Sandipkumar V.	S.V. Talpady
10.	12302090603002	Dalwadi Harshil H.	Harshil