



# ADIT

A D PATEL INSTITUTE  
OF TECHNOLOGY



# CVVM UNIVERSITY

*We Make The World To Move*

# VAAHAN

## Automobile Engineering Newsletter

September 2023 - August 2024, Issue No. 08

**A. D. Patel Institute of Technology,**  
**New V. V. Nagar, Gujarat**

## **FROM THE DESK OF PRINCIPAL**



I congratulate Automobile Engineering department for releasing 8th issue of their newsletter "VAAHAN". Automobile engineering department, ADIT has been creating a great value for its students, industry and society at large. The members of ADIT automobile engineering fraternity are contributing to various national and multinational companies in auto sector passionately. The department has well – equipped laboratory with state of the art instrumentation where students are imparted practical and hands on experience. Students have been participating in mega events like SAEBAJA, SUPRASAE, ATV and winning lead positions. My best wishes to all the staff members & students for the future endeavors.

Dr. V. N. Singh  
Principal

## **FROM THE DESK OF HEAD OF DEPARTMENT**



After successfully releasing 7th issue of the newsletter, I am very happy to bring out the eighth issue of the Automobile Engineering Department Newsletter "VAAHAN". This newsletter outlines various activities that have taken place during the period of Sep'23-Aug'24 and the achievements of faculties and students. I appreciate all the team members for their efforts in bringing out his newsletter.

Department of Automobile Engineering is putting all kind of efforts to ensure the overall progress of the students. Department of Automobile Engineering is thankful to Principal, Dr. V N Singh and Charutar Vidya Mandal, Vallabh Vidyanagar for providing all kind of facilities and support as and when needed. I wish that this activity of publishing the Newsletter will continue in future and will work as a platform for faculty members and students to show their work.

Dr. S. M Patel  
Head, Automobile Engineering Department

## **MESSAGE FROM EDITORIAL BOARD**



I would like to take this opportunity to wish all the graduating students all the very best for their future endeavours. It's my privilege to offer thanks to my faculty colleagues for their contribution for the structuring newsletter. Newsletter highlights events, activities, students achievements and faculty's academic achievements.

Prof. Satyavrat P. Patel,  
Asst. Professor-AE

## **ABOUT CHARUTAR VIDYAMADAL & CVM UNIVERSITY**

One of the greatest sons of India, Bharat Ratna, Late Shri Sardar Vallabhbhai Patel, inspired Shri Bhaikaka and Shri Bhikabhai Saheb for rural resurgence of post-independent India through education, and Charutar Vidya Mandal was born. Charutar Vidya Mandal was established in the year 1945 as a charitable trust with a prime objective of rural development through education to bring about the social awakening, social upliftment and enrichment. Over the subsequent years, Late Dr. H M Patel consolidated the efforts put in by the founders. Later on, in the 1990s, when Late Dr. C L Patel took over the reins of Charutar Vidya Mandal as the Chairman, the country was facing a major economic and ideological change paving the way for globalization and liberalization.

At present, Charutar Vidya Mandal operates under the chairmanship of Er. Bhikhubhai B. Patel. 50 Educational Institutes starting from nursery to higher education and a sophisticated Research Institutes along with over 30,000 students on the rolls. *CVM University was inaugurated on the day of Platinum Jubilee celebration of Charutar Vidya Mandal by Hon. Vice President of India.*



Release of 7<sup>th</sup>-issue of Automobile newsletter "VAAHAN" at ADIT

## **ABOUT INSTITUTE**

A. D. Patel Institute of Technology is one of the pioneer institutes imparting technical education located at New Vallabh Vidyanagar in the state of Gujarat, India. Established in the year 2000 and managed by Charutar Vidya Mandal (CVM), one of the leading trust of the nation established in 1948. The institute is located in satellite township of New Vallabh Vidyanagar having green natural environment and beautiful landscape near educational hub of the state, Vallabh Vidyanagar and Milk city Anand. Institute offers B.Tech. courses in Automobile Engineering, Electronics and Communication

Engineering, Computer Engineering, Information Technology, Electrical Engineering, Mechanical Engineering, Food Processing Technology, Civil Engineering, Computer Science and Design, Artificial Intelligence (AI) & Data Science and Dairy Technology. Institute also offers Diploma Engineering in Automobile, Food Technology, Computer, Information Technology, Renewable Energy and Consumer Electronics.

### **ABOUT AUTOMOBILE ENGINEERING DEPARTMENT**

The department of Automobile Engineering was started in academic year 2003-2004. Department is having young and well qualified teaching faculties and well equipped laboratories. Department offers B.Tech in Automobile Engineering and also Diploma in Automobile Engineering.

#### **OUR VISION:**

Instil enduring values and excellence in learning fundamental knowledge of automobile engineering, in universally relevant context for industry and society.

#### **OUR MISSION:**

- Creating conducive environment for learning practical applications of latest technology through state-of-the-art laboratory facilities.
- Providing opportunities for interaction with industry experts, visits to automotive industry and automotive research organizations.
- Motivate and support students for participating in National level competition events for out of classroom practical learning for hands-on practice and development of a professional with ability to work in team and problem solving.

### **DETAILS OF STAFF MEMBERS**

<b>Name of faculty</b>	<b>Designation</b>	<b>Qualification</b>	<b>Experience</b>
<b>Dr. Sanjay M. Patel</b>	Asst. Professor & Head	Ph.D.	22 years
<b>Dr. Nimit M Patel</b>	Asst. Professor	Ph.D.	17 years
<b>Prof. Nikunj S. Yagnik</b>	Asst. Professor	M.E, Ph.D.(Pursuing)	17 years
<b>Prof. Y. J. Gambhava</b>	Asst. Professor	M.E, Ph.D.(Pursuing)	11 years
<b>Prof. Samarth J Shelat</b>	Asst. Professor	M.Tech, Ph.D. (Pursuing)	10 years
<b>Prof. Simit B Prajapati</b>	Asst. Professor	M.E, Ph.D.(Pursuing)	10 years
<b>Prof. Satyavrat P Patel</b>	Asst. Professor	M.Tech	10 years

## Details of Research Activity

Dr. Sanjay M Patel Published a research paper on "A Comprehensive Study for the Algae-Ethanol Biofuels for Diesel Engines: Performance and Environmental Considerations", Journal of Harbin Engineering University, Vol 44(12), ISSN 1006-7043, pp 486-514.

### Workshop/Webinar/Expert Lecture organized by Department

Sr.	Topic	Date
1	Expert lecture on "CAD Applications in Automotive Design" by Mr. Nirav Sharma, MD, Krishan CAD Center.	20-02-24
2	Workshop on "Hands-on practices On-Board Diagnostics (OBD) (Hands on practices) by Mr. Harshit Suthar, Proprietor, Maruti Auto Centre.	29-02-24
3	Workshop titled "Journey of Entrepreneur" by Karan Vyas, Proprietor, WOW Service, Anand.	15-03-24
4	Expert Lecture on "Application of Industrial and Operations research in Automobile Industry" by Dr. Gajanan Patange, Associate Professor, CSIPT, Charusat University.	10-05-24
5	Webinar on "From Lab to Road: A Drive into Vehicle Testing." by Ms. Pratiksha Chauhan, Drive Train Performance Engineer, Caterpillar Inc, USA.	28-08-24



## Industrial / Technical Visits

Sr.	Name of Industry/ Company	Date of Visit	No of Students/ Level	Name of Faculty/ Staff Members
1	Faculty of Vehicle Technology (EME) Vadodara	12-09-23	40/3rd & 4th	Prof. Simit Prajapati & Prof. Yagnesh Gambhava
2	GSRTC Central Workshop, Naroda, Ahmedabad	15-09-23	18/4th	Dr. Sanjay M Patel & Prof. Samarth J Shelat
3	Ford Engine Plant, Sanand	07-10-23	40/3rd & 4th	Dr. Sanjay M Patel, Dr. Nimit Patel, Prof. Samarth J Shelat, Prof. Simit Prajapati, Prof Yagnesh Gambhava
4	Ethos HVAC Systems Ltd., Changodar, Ahmedabad	06-03-24	41/2nd & 3rd	Prof. Simit Prajapati & Prof. Samarth J Shelat
5	Mircoflat Datums Pvt. Ltd., GIDC, V U Nagar, Anand	25-04-24	10/2nd	Prof. Simit Prajapati
6	Fine Cast Privat Ltd, V U Nagar	21-08-24	10/2nd & 3rd	Prof. Yagnesh Gambhava & Prof. Satyavrat Patel



**Ethos HVAC Systems Ltd., Changodar, Ahmedabad**



**Faculty of Vehicle Technology (EME) Vadodara**



**Fine Cast Privat Ltd, V U Nagar**



**GSRTC Wokshop, Naroda, Ahmedabad**

## Teachers' Awards and Recognitions

Prof. Samarth Shelat of department of Automobile Engineering was awarded "Best Poster in Automobile Engineering Subject" by Research & Development Cell, CVM University for Presenting Poster in Research Week-24 Nurturing the Joy and Spirit of Creativity for Innovation and Invention during 8th - 11th January, 2024.

Dr. Sanjay M Patel and Prof. Samarth Shelat, department of Automobile Engineering have Participated in poster presentation titled "ENVIRONMENTALLY FRIENDLY WASTE PLASTIC FUEL: AN ALTERNATIVE SOURCE OF ENERGY FOR AUTOMOTIVE VEHICLES" in 6th International Conference on "Recent Innovations in Science & Technology (RIST 2024) organized by Holy Grace Academy of Engineering, Mala, Kerala on 26<sup>th</sup> & 27<sup>th</sup> April '24.

Prof. Simit Prajapati, department of Automobile Engineering has participated in poster presentation titled "Effect of air temperature and velocity on drying characteristics of Jamun Slices using Convective Drying Method: An Experimental Analysis" in 10th International and 50th National Conference on Fluid Mechanics and Fluid Power, organized by IIT, Jodhpur during 20<sup>th</sup> -22<sup>nd</sup> Dec '23.





## Department Activities

Organized workshop aims to motivate students towards entrepreneurship as it can create employment for future generations in the domain of automotive engineering. Also, the aim of entrepreneurial seminar is to prepare future economy engineers to potentially their own entrepreneurial path. In addition to providing the know-how needed for establishment of one's own enterprise, the course aims to encourage entrepreneurial mindset of students.

### Workshop On "Journey of Entrepreneur"

**March 2024**  
**10:00 am**  
Venue: Smart Room No.: 141

WoW Services

**Target audience:** Automobile & Mechanical Engineering students  
**Registration Link :** <https://forms.gle/UCkmZQ1mUWWQuBSD8>

**Speaker Name:** Karan Vyas  
**Designation:** Proprietor & Workshop Manager  
**Company Name:** WoW Services, Anand

**Organized By:**  
Department of Automobile Engineering  
A. D. Patel Institute of Technology, CVM University



**MG Nurture Certification Ceremony & Internal/Mid Evaluation-I Industrial Internship scheduled on 03.02.2024.**



## AUTOMOBILE ENGINEERING DEPARTMENT

(Batch: 2020-2024)

### CVMU 8TH SEMESTER INTERNSHIP

(A.Y. 2023-2024)

Following Students of 8<sup>th</sup> semester Automobile Engineering have opted for full time Internship (16 Weeks) at various Industries/Companies.

Sr. No	Name of Student	Name of Company	Industry/Company location
1	GUJAR BHAVIK AJAYKUMAR	STELLAR AUTOHAUS PVT.LTD.	PUNAGAM, SURAT
2	BAXI EVAAN BIJAL	TATAMOTORSLIMITED	SANAND
3	VARMA HARSH SHARADKUMAR	DOWNTOWN HYUNDAI	ANAND
4	HARSH UPESHKUMAR JANI	JAGUAR- LANDROVER CARGO MOTORS	GOTA, AHMEDABAD
5	PATEL JEET RUPESHKUMAR	GALVA DECOPARTS	ZAROLI, BHILAD
6	DARJI KARAN VIKRAMKUMAR	JAGUAR-LANDROVER CARGO MOTORS	GOTA, AHMEDABAD
7	MACHHI KEVAL RAJESHBHAI	BSTO AUTOMOTIVE PARTS INDIAPRIVATE LIMITED	HALOL
8	KACHHIYA MEET RAKESHBHAI	GSRTC CENTRAL WORKSHOP	NARODA, AHMEDABAD
9	PATEL PARTH JIGARBHAI	DOWNTOWN HYUNDAI	JANTAX, ANAND
10	PATEL RONAK RAJESHBHAI	GSRTC CENTRALWORKSHOP	NARODA, AHMEDABAD
11	SHAH SHUBHAM LAHERILAL	DESTINATION HONDA	ANAND
12	VARDHAN MITESHBHAI DESAI	STELLAR AUTOHAUS PVT. LTD.	PUNAGAM, SURAT
13	VEDANT RATHOD RITESHBHAI	NEW AMBICA AUTO GARAGE (TATA MOTORS)	PIPLAG HIGHWAY
14	VHORA RAIYAN MAHAMMADHUSEN	MG MOTORS INDIA PVT. LTD	HALOL
15	PATEL YASHBHAI VIJAYBHAI	GALVA DECOPARTS	ZAROLI, BHILAD
16	MISTRY DHURV ASHOKBHAI	JAGUAR-LANDROVER CARGO MOTORS	GOTA, AHMEDABAD
17	PARMAR HEET PRAKASHBHAI	JAGUAR-LANDROVERCARGO MOTORS	GOTA, AHMADABAD
18	KAKKAD NEEL SHAILESH	CAPTAIN TRACTOR	RAJKOT
19	NIKUNJ UMESHBHAI PATEL	GALVA DECOPARTS	ZAROLI, BHILAD
20	PATEL PARTH RAKESHBHAI	MOHAN AUTO WORKS (TATAMOTORS)	BHAVNAGAR
21	TIRTH KOTADIA	CAPTAIN TRACTOR	RAJKOT
22	OMKARSINH JAYDEEPSINH RAOL	KRISH CRANE MANUFACTURERS	ANAND
23	VRAJ KALPESH PATEL	PRESIDENCY CAR SPVT. LTD.	VAPI

## ALUMNI TESTIMONIAL



Meet Bhatt  
Sr. Manager – Tata Motors  
Year of Passing: 2010

I will always cherish my decision of pursuing Automobile Engineering course from A. D. Patel Institute of Technology because of the industry relevant course content, practical exposure to automotive lab and guidance from highly skilled professors. The key highlight of the course was the opportunity to do 5 months internship in TATA Motors Limited as a part of the final semester. Overall, I feel joining ADIT was one of the best and rewarding decisions in my life.



Chintan Dave  
Asst. Manager –HR  
RTX-Corporation  
Year of Passing: 2018

Pursuing my Automobile Engineering at ADIT was a transformative experience that laid the foundation for my career. The curriculum provided me with essential technical skills and the ability to think analytically, which proved invaluable when transitioning into the corporate world. The institute, the faculties and the department provided me with a holistic education that has been instrumental in shaping my early career and preparing me to succeed in the fast-paced corporate environment.

**Disclaimer:** All information published in this newsletter is based on institutional events and report generated at A.D Patel Institute of Technology. The purpose of this newsletter is for academic and educational only. The editor or publisher does not take responsibility for the content presented during the events. Errors, if any, are purely unintentional and readers are requested to communicate such errors to authorities.

### Contact us:

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