

A. D. Patel Institute of Technology
(A Constituent College of CVM University)



Automobile Engineering Department
&
Mechanical Engineering Department
(NBA Accredited)

A Faculty Development Program [Online] on

“Alternate Fuels”

08 - 12 February, 2021

Sponsored By:

AICTE Training & Learning (ATAL) Academy

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Prof. Yagnesh J. Gambhava
(Asst. Professor, AE, ADIT)

Prof. Bala J. Dutt
(Asst. Professor, ME, ADIT)

About CVM University:

CVM University (CVMU) is promoted by Charutar Vidya Mandal (CVM) established in the year 1945 as a charitable trust with the prime objective of rural development through education under the inspiration of great Sardar Vallabhbhai Patel. University campus is spread over 700 acres and comprises of 20 institutions range from Engineering, law, Ayurveda, pharmacy, architecture and management. The CVM University offers world class infrastructure and highly competent faculty members. The university is recognized as leading private university by Education Department of government of Gujarat.

About Institute:

A D Patel Institute of Technology was established in the year 2000, is one of the pioneering institute imparting technical education in the state of Gujarat, India. 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 is running eight UG programmes viz. Mechanical, Automobile, Civil, Computer, Electrical, Electronics and Communication, Food Processing Technology and Information Technology; and Six PG programmes including Thermal Engineering, CAD/CAM, Renewable Energy, Food Technology, Artificial Intelligence and Signal Processing and communication.

About FDP:

The one week ONLINE Faculty Development Program [FDP] on “Alternate Fuels” is intended to provide opportunities for faculty members and researchers employed in engineering institutions to enhance their knowledge and to keep abreast with the latest technical developments in the field of Alternate Fuels for vehicles. The program includes expert lectures delivered by Industry experts from the respective domain and by academicians, who will give a flavour of the academic research activities happening in the domain of automobiles. Apart from these, virtual hands on practice in Automobile & Mechanical laboratories will be conducted on live virtual mode. The primary focus of the program is to give exposure and explores the latest technology related to alternative fuels used for automobiles to the participants attending the program. The program will equip them to evaluate the performance of the vehicle systems using modern tools and equipments related to alternative fuels. The program is intended for the faculty members from Automobile, Mechanical and other allied branches of engineering of Degree and Diploma institutes.

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Topics Covered

- Needs & requirements for Alternative fuels.
- Emerging green fuel technologies.
- Hybrid vehicles and their working principles.
- Improvements in internal combustion engines.
- Basic concepts of CNG & LPG fuels.
- Alternative drive trains for automobiles.
- Electric Vehicles; Needs & Market trends.
- Trends & Commercialization of Biodiesel & Biogas.
- Exposure of the strategies for development of dual fuel engine.
- Concept of Solar vehicles etc.

Resource Persons

Expert Lectures from leading Automotive Industries and academicians from premier institutions.

Target Participants

Faculties from Automobile, Mechanical and other allied branches of engineering of AICTE approved Degree and Diploma institutes, and delegates from Industries are eligible to apply.

Registration

Registration has to be done through ATAL Online Portal through:
<http://www.aicte-india.org/atal>
Limited Seats are available. Registration will be done on early basis.
No Registration Fees.

Mode Of Event

All sessions will be conducted Online through Google Meet Platform.

Feel Free to Contact:

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Mechanical Engineering Department
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About Automobile Engineering Department:

The department of Automobile Engineering, ADIT was established in the year 2003, being pioneer in the state of Gujarat. Department offers Degree in Automobile Engineering at UG level. Department is having well qualified and experienced teaching faculty members including 3 Ph.D. and 5 Pursuing Ph.D. & 1 M.Tech. Department is having well equipped state of art laboratories viz. Automobile Engines, Alternative fuels, Vehicle Maintenance & Garage Practice, Vehicle Dynamics, Automotive Electrical & Electronic Systems, Automobile Systems, and Project lab with excellent infrastructure. The Automobile Engineering Department is having demo vehicles including hybrid, CNG, Solar, Electric, ATVs and other Vehicles for project work.

About Mechanical Engineering Department:

The department of Mechanical Engineering, ADIT was established in the year 2000 with the state of art workshop and laboratories. It is accredited by NBA for the period of three years from 2019-2022. Currently, department has undergraduate student intake of 90. Department also runs three post graduate programs viz. Thermal Engineering, CAD/CAM, and Renewable Energy. Department consists faculty members having Ph.D. and M.Tech. from various IITs/NITs with average experience of 10 years.

Organizing Committee:

Dr. N. M. Patel	Dr. M. I. Shah
Prof. S. J. Shelat	Dr. R. R. Shah
Prof. S. B. Prajapati	Prof. B. J. Sheth
Prof. K. D. Patel	Prof. V. J. Banker

Organized By:

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