



MECHANICAL ENGINEERING

NBA ACCREDITED 2019-2022, 2009-2012

NEWSLETTER

"YANTRIK 5"

Edition: July 2021

A. D. Patel Institute of Technology

New V.V. Nagar, Gujarat

ABOUT CHARUTAR VIDYAMADAL



Sardar Vallabhbhai Patel, who knew Shri Bhailalbhai Dyabhai Patel (warmly known as Bhaikaka) as a man of practical bent of mind, unusual ability and character, advised him to go to the villages and work for their regeneration. Sardar's wish was tantamount to a command to him. He got in touch with Shri Bhikhabhai Kuberbhai Patel, a dedicated and farsighted educationist, fired by the same ideal.

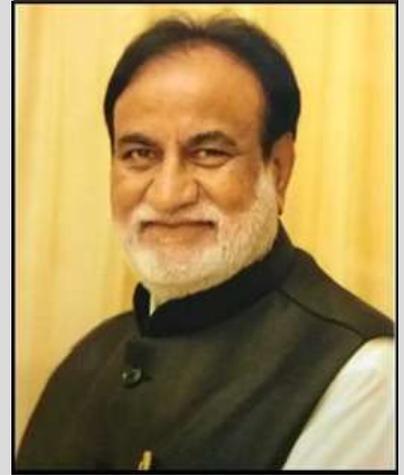
On March 28, 1945, it was decided to draw and implement the plan of raising an educational township in a wilderness infested with dacoits, which later came to be known as Vallabh Vidyanagar.

The founders decided to establish two institutions-Charutar Vidya Mandal and Charotar Gramoddhar Sahakari Mandal. The former was to be devoted to the cause of education, that is, establishing colleges and schools and the latter meant to produce the building materials for educational institutions and residential quarters. They were registered on August 10, 1945 and September 7, 1945, respectively. Bhaikaka and Bhikhabhai came to reside in the wilderness in a hut measuring 8 ft x 10 ft on March 3, 1946.

The town is the synthesis of varied cultures, which enable it to evolve and expand the quality life, as well as to foster the environment of creativity amongst the student citizens. Those who stay here always cherish the golden moments of life on the campus. Today, the town has compounded in strength and consolidated itself to take on the challenges of emerging future.

CHAIRMAN's Message

Education is said to be the transmission of knowledge, culture and civilization. Since more than seven decades of its establishment by visionaries Shri Bhaikaka and Shri Bhikhabhai Saheb and inspiration by Shri Sardar Vallabhbhai Patel, Vallabh Vidyanagar of today seems like fulfilment of Tagor's vision of new India: "The inner spirit of India is calling us to establish, in this land, great centre, where all her intellectual forces will gather for the purpose of creation, and all her resources of knowledge and thought, Eastern and Western, will unite in perfect harmony."



*Er. Shree Bhikhubhai B Patel
Chairman,
Charutar Vidyamanadal
President, CVM University*

In the eighteenth year of the new millennium, we at Vallabh Vidyanagar, are poised on the brink of revolution. In this world, which moves at the speed of thought, our guiding principles used to change constantly, innovation and up gradation, both in terms of technology for our students and instil in them such high standards of knowledge and discipline that they can face any challenges anywhere in the world.

Today, when aspirations are moving sky high and students are constantly challenged by a competitive and dynamic world, we strive to include confidence and competence in our students and equip them to face the challenges for years to come. I take the opportunity to introduce "A.D. PATEL INSTITUTE OF TECHNOLOGY", constituent college of largest private university of Gujarat 'CVM University'. Earlier the institute was affiliated with Sardar Patel University and Gujarat Technological

PRINCIPAL's Message

Mechanical Engineering Department ADIT has been creating a great value for its students, industry and society at large.

The members of ADIT Mechanical Engineering fraternity are contributing to various national and multinational companies Infrastructure, Manufacturing and Energy 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 undertaking challenging projects, industrial training and bringing laurels to the institute.

I congratulate the department on bring out the newsletter which will enable stakeholders to get aware about the achievements of faculty and students of the automobile engineering department.



Dr. Vishal Singh
Principal,
A. D. Patel Institute of Technology

Head of Department's Message

I have great pleasure and pride to announce that the Department of Mechanical Engineering, A D Patel Institute of Technology (ADIT)- Karamsad is publishing its fourth newsletter in October, 2020. This newsletter will help to share the event, news, achievements of the department among the ADIT fraternity

The department cares for student support, mentoring, tutoring, study skills workshops and career development. Mechanical Engineering students culminate their studies with a year-long capstone project requiring design problem solving, creative thinking, project planning and teamwork. A broad selection of technical electives encourages students to pursue special interests in design and manufacturing, energy and environmental issues, thermal and fluid sciences materials, dynamics & controls and robotics.

I would like to congratulate all faculty members and students for their sincere effort to realize this new publication. I earnestly wish and sincerely hope that this new publication turns out to be resounding success



Dr. Yashavant Patel
Head of Mechanical Engineering
Department

Editor's Desk

On the Behalf of Mechanical Engineering Department ADIT, with Profound Pleasure and Happiness that we in the position to release of fourth issue of Department Newsletter "YANTRIK 5".

I would also like to express my sincere gratitude to Dr. Yashavant Patel, Head of the Department. I take this opportunity to thank my faculty colleagues who have contributed for compilation of necessary data and the Student T&P Co-ordinators of the Department to give their maximum contribution.

It is indeed a great honour to be the Newsletter Editor for Mechanical Engineering Department of A. D. Patel Institute of Technology and it is an immense pleasure to launch this Fifth edition for 2021.

A huge thank to all the people who contributed in writing this wonderful edition and for their efforts without which there wouldn't have been this newsletter issued.

Last but not the least, I would like to thank Dr. Yashavant Patel, Head of the Department and Mr. Mehul Patel, Assistant Professor for their everlasting support throughout the creation of this edition and to give us this opportunity.



Mehul Patel
Assistant Professor



Nikunj Kumar Makwana
T&P Co-ordinator

“YANTRIK” Team

Head of Department

Dr. Yashavant Patel

Chief Editor of Department

Mr. Mehul Patel

**Chief Editor &
Chief Designer**

Nikunj Kumar Makwana

About Institute

The **A. D. Patel Institute of Technology (ADIT)** is a Degree Engineering College established in the year 2000, in affiliation with **SPU, GTU**, and now **CVMU** under the management of **Charutar Vidhya Mandal (CVM)**. The college has a 40-acre campus developed by CVM as New Vallabh Vidyanagar.

Vision:

To add significant our enduring civilized tradition of pioneering excellence in learning, knowledge, enlightenment and self-realization in a universally relevant context.

Mission:

We dedicate to the perpetuation of our founders' vision of providing the infrastructure, facilities, operating conditions and overall environments conducive to education of young scholars, along with the desired physical, mental & character-building inputs; we firmly renew our commitment to provide value added, globally relevant education with an emphasis on the techno-management domain, to ensure that our scholars fruitfully exercise their knowledge, skills & values in the global economy.

About Mechanical Engineering Department

The Department of Mechanical Engineering was established in Academic year 2000-2001. Our Department is having young, supportive and well qualified teaching staff.

Vision:

Nurturing a universally relevant knowledgeable & skilled human resource in mechanical engineering.

Mission:

1. Imparting value-based knowledge which students can utilize in real world.
2. Offering industry relevant hands-on practice & project-based training.
3. Providing quality infrastructure & learning inputs.

Faculty Members of department



Dr. Vishal Singh
Principal



Dr. Yashavant Patel
Head &
Associate Professor



Dr. Mitesh Shah
Professor



Kalpesh Shah
Assistant professor



Dr. Ayanesh Joshi
Assistant professor



Dr. Ronak Shah
Assistant professor



Manisha Makwana
Assistant professor



Bhaumik Sheth
Assistant professor



Bala Dutt
Assistant professor



Sankalp Bhatia
Assistant professor



Mehul Patel
Assistant professor



Krunal Shah
Assistant professor



Harsh Joshi
Assistant professor



Tejas Prajapati
Assistant professor



Ruchir Desai
Assistant professor



Sanjiv Rajput
Assistant professor



Mitul Malli
Assistant professor



Maharshi Thakkar
Assistant professor



Vaishal Banker
Assistant professor



Manoj Kumar
Assistant professor

Summary of Project Proposals Submitted

(Year 2018-19, 2019-20 & 2020-21)

Sr. No.	Title of Project Proposal	Granting Agency	Amount (INR)
1	Design, Development and Experimental investigations of LN2 Probe for Cryo-ablation of cancerous tissues	Scheme for Technology Demonstration and Pilot Deployment under Science, Technology, and Innovation (STI) Fund, GUJCOST	35,21,672/-
2	Modelling and Control of Biped Robotic System.	RPS-AICTE	24,55,200/-
3	A novel approach for solid/bio medical waste management in developing countries through plasma pyrolysis	RPS-AICTE	25,00,000/-

Toppers of Summer 2020 Examination

2 nd Sem			6 th Sem			8 th Sem		
Enrolment No	SPI	CPI	Enrolment No	SPI	CPI	Enrolment No	SPI	CPI
190010119031	9.68	9.31	170010119019	9.85	9.03	160010119046	10.0	8.64



Sondagar Akshit



Harsh Jogi



Nayan Verma

Faculty Publications (Papers Published)

Sr. No.	Title of Paper	Name of Author	Name of Conference	Conference Date
1	“DESIGN OF PICO HYDRO TURBINE: FLOATING AND ADJUSTABLE PROPELLER”	Bhaumik J. Sheth.	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), ISSN No. 2582-5208	July 2020.
2	“Design and FEA analysis of jacketed type pressure vessel”,	Lay Patel, Yashavant Patel.	Second International Conference on “Research and Innovations in Science, Engineering & Technology” - ICRISSET-2020 at BVM Engineering College	September 2020.
3	“Modelling and Gait Analysis of 6-DOF Biped Robots with Flat & Curved Feet”	Patelia Mitesh, Yashavant Patel.	8th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering - (AFTMME- 2020) at Maharaja Ranjit Singh Punjab Technical University (MRSPTU), Bathinda	December 2020.
4	“Vertical Axis Wind Turbines: A Review of the State of the Art”	Jvalant Trivedi, Shradhdha Trivedi, Ravi Rathod, Manisha Makwana, Tejas Prajapati.	Compliance Engineering Journal, ISSN No. 0898-3577	December 2020.
5	“Hydraulically Controlled Tracking System for Solar Panel”	Manisha Makwana, Ravi Rathod.	International Journal for Research in Engineering Application & Management (IJREAM), 2454-9150, 6(05)	August 2020.
7	Inverse kinematic analysis of 3 DOF 3-PRS PM for machining on inclined prismatic surfaces	Hishantkumar Patel, Yashavant Patel.	IAES International Journal of Robotics and Automation	June 2020.
8	Design and FEA analysis of jacketed type pressure vessel	Dr. Y D Patel, Lay Patel.	Second International Conference on “Research and Innovations in Science, Engineering & Technology” - ICRISSET-2020	September 2020.
9	Vertical Axis Wind Turbines: A Review of the State of the Art”	Jvalant Trivedi, Shradhdha Trivedi, Ravi Rathod, Manisha Makwana, Tejas Prajapati	Compliance Engineering Journal	Published in Dec 2020.

Sr. No.	Title of Paper	Name of Author	Name of Conference	Conference Date
10	Development & Cost Analysis of Aligners for Orthodontics using FDM and DLP”,	Banker V, Bhatia S, Joshi A, Lakdawala D, Malavia J, Padhiyar H, Sisosiya H.	2nd international conference on recent advances in manufacturing (RAM 2021)	10-12 June, 2021.
11	Experimental Investigation in Wire-Cut EDM of Inconel 718 Superalloy	Joshi A , Banker V, Patel K, Patel K, Joshi D, Purohit M.	2nd international conference on recent advances in manufacturing (RAM 2021)	10-12 June, 2021.
12	Realization of a Compliant Mechanism Based Compensation Technique for Multiplexer Filter of Communication Space Payload	Shah K, Srinivas A	2nd international conference on recent advances in manufacturing (RAM 2021)	10-12 June, 2021.
13	Design and Analysis of Leaf Spring	Joshi H, Prajapati T, Galani N, , Munjal D, Vachhani A	Compliance Engineering Journal	Jun-21.

Other activities:

- Department has resumed Audit courses (every Saturday, starting from 13-02-2021) for ADIT students
- Mechanical Engineering Department has coordinated 1 Day Webinar on "Intellectual Property Rights (IPRs) and IP management for start-up" on 24th April -2021 under CVMUISC.
- Dr Ronak Shah has coordinated a Technical Talk for students on “Application of Heat Pump” along with ISHRAE Vadodara chapter “on 16th MAY 2021.
- Prof. Manisha Makwana has delivered expert talk on 10th May 2021 on the Topic entrepreneurship during AICTE sponsored STTP at Rajula govt polytechnic college, Bhavnagar
- ADIT has received grant of 1.10 crores for IDEA lab development. Dr. Y D Patel is nominated as faculty in charge for the same.
- Dr. Ayanesh Joshi has successfully completed PhD work and awarded doctorate Degree by GTU.

AICTE MODROB Grant.

Modernization of CAM Lab through addition of 3D-Printer and Additive manufacturing facility
Equipment Procured:

1. 3D Printer
2. 3D Scanner

Technical Specification of 3D Printer

Volume	500 mm x 500mm x 500mm
Nozzle diameter	0.4 mm (Dual Nozzle)
Maximum extruder temp.	295° c
Layer resolution	50-200 micron
Maximum printing speed	200-300 mm/sec
Filament compatibility	ABS, PLA, Nylon 6, Nylon 12, Composite
Operation system	Windows 10

Technical Specification of 3D Scanner

Minimum scan volume	0.2m x 0.2m x 0.2m
Maximum scan volume	2m x 2m x 2m
Maximum image through put	30 fps
Scan accuracy	0.04 mm
Operating range	135 x 100mm to 225 x 170 mm
Operation system	Windows 10



AICTE MODROB Grant Continued....



Hands on demonstration to students



Training imparted to faculty members of various departments



simplify 3D software used for slicing CAD Geometry



3D Printer and 3D scanner at Advanced Manufacturing Lab



Demonstration of EinScan Pro 2X 3D Digitizing Solution as 3D scanner to committee members



Components manufactured using FDM

Tig Welding Machine

Sr. No.	Specifications	
1	Model	IWI-MMA/TIG 400
2	Phase	3 Phase
3	Input Voltage	AC 380 V
4	Max Output Current	400 Amp
5	Duty Cycle @40' C	60%
6	Make	Indian Welding Inverter



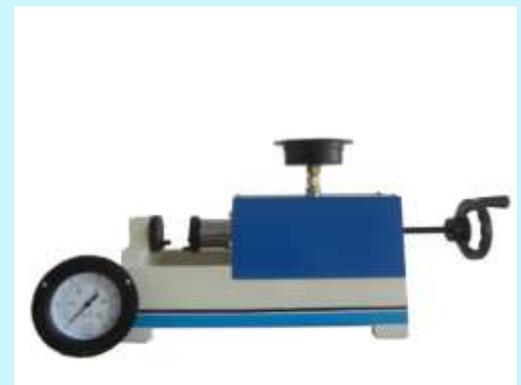
Permeability Tester (Royals make)

Air and Water Tank, Manometer Unit, Permeability Chart, Large and Small Orifice, Rubber Seal and Siphon



Universal Strength Tester (Royals make)

Green Strength Compressive Tester, Consists of Hydraulic Unit High & Low Pressure Gauge, Set of Compression Pads, Compression Range High up to 13 kg/cm², low up to 1600 gm/cm²



STUDENTS ACHIEVEMENTS

Sr. No.	Student Name	Achievement
1	Parth Sachinkumar Patel.	Selected at AICTE organized project presentation competition, Chhatra Vishwakarma Award, for production of syngas via Bubbling fluidize bed gasifier by using agricultural waste.
2	Nikunj Kumar Jitendrakumar Makwana.	<p>Internshala's campus ambassador program - Internshala Student Partner (ISP) 20 during the period of November 2020 to January 2021. Nikunj Kumar stood 44 out of 21,557 students selected from different colleges across India.</p> <p>Internshala's campus ambassador program - Internshala Student Partner (ISP) 20 during the period of January 2021 to March 2021. Nikunj Kumar stood 44 out of 21,557 students selected from different colleges across India.</p> <p>Internshala's campus ambassador program - Internshala Student Partner (ISP) 22 during the period of April 2021 to June 2021. Nikunj Kumar stood 39 out of 21,557 students selected from different colleges across India.</p> <p style="text-align: right;">Internshala Student Partner (ISP) 23.</p> <p style="text-align: right;">Campus Ambassador ELAN & NVISION, IIT Hyderabad.</p> <p style="text-align: right;">Campus Ambassador Cognizance IIT Roorkee.</p> <p style="text-align: right;">Campus Ambassador APOGEE, BITS Pilani.</p> <p style="text-align: right;">Campus Ambassador Aparoksha'21, IIIT Allahabad.</p> <p style="text-align: right;">Campus Ambassador International Model United Nations.</p> <p style="text-align: right;">Campus Ambassador AAKAAR, IIT Bombay.</p>

Industrial Visits

Sr. No.	Date of Visit	Dept.	Place of Virtual Visit for, 3rd year students	Remarks (<i>Ex. faculty</i>)
1	02/09/2020	ME	Arindom Engineering, GIDC, V. U. Nagar	Prof. Mitul Malli and Prof. Ruchir Desai

Expert Talks

Sr. No.	Activity	Date	Name Of expert	Remark
1	National Webinar on "Casting Simulation Using ZCAST Software	05/03/2021	Mr. Ganesh Babu D N	GM - Product Sales and Service, DHIO Research & Engineering Pvt. Ltd.
2	"Desiccant Dehumidification Assisted Air Conditioning System"	13/03/2021	Dr D B Jani	Associate Prof. in MED, GEC, Dahod

Expert Talks delivered by faculty:

Sr. No.	Topic (Certificate course on Applied Physics in Engineering)	Date	Delivered by
1	Applications of Dimensional analysis	29-04-2020	Dr. Mitesh I Shah
2	Physics, Technology & Engineering	30-04-2020	Dr. Yashavant D Patel
3	Laws involved in physics in day-to-day life	27-04-2020	Dr. Yashavant D Patel
4	Viscosity, surface tension and capillarity	01-05-2020	Prof. Bhaumik Sheth
5	Role of different Laws in static and dynamic fluids.	02-05-2020	Prof. Maharshi Thakkar
6	Motion in a Plane	07-05-2020	Prof. Ruchir J. Desai
7	The conversation of mechanical energy	08-05-2020	Prof. Sankalp Bhatiya
8	Importance of Periodic motions	10-05-2020	Prof. Kalpesh N. Shah

**Students attended/participated in following webinar/lecture session
organized by ISHARE Vadodara Chapter _ Online mode**



Sr. No.	Title of Webinar/lecture	Students Participated	Date of webinar
1	Dehydration technology for Agri Products by Hitem Kakkad (MD, Care Consultancy)	23	8/4/2020 10 AM
2	Fundamentals of Air Conditioning and Psychrometrics by Dr. J R Mehta (MS University, Vadodara)	18	9/4/2020 10 AM
3	Dry air Generation & it's importance in HVAC by Nelvin Johny	09	9/4/2020 4 PM
4	Psychrometric Processes by Dr. J R Mehta (MS University, Vadodara)	27	10/4/2020 10 AM
5	Scenario and scope in Heat Ventilation Air conditioning & Refrigeration Industry by Arpan Kedia (Voltas Ltd.)	22	11/4/2020 10 AM
6	Cooling load estimation Part II by Mr. Amit Deshmukh (Group director, Burohappold)	19	11/4/2020 3 PM
7	HVAC System Installation practice & Quality installation criteria by Mr. Abhay Date	35	14/4/2020 4 PM
8	Renewable Power Assisted Integrated Cooling Systems by Dr. S S Kachhwaha (PDP, Gandhinagar)	22	16/4/2020 10 AM
9	Cold Chain Applications, its Challenges & Equipment Selection Criteria by Sanjaykumar Hans (Manager, Cold Chain)	17	19/4/2020 12 noon
10	Low GWP Refrigerants by Dr. R Kapadia (L D Engg. College, Ahmedabad)	15	20/4/2020 4:30 PM
11	Air Conditioning Heat load Calculation by Mr. Sunil Bhatia	88	21/4/2020 11 AM
12	Refrigeration system Components & Selection by Mr. Jigar Shah (Unique Airtech)	08	24/4/2020 11 AM
13	Air Distribution System in HVAC by Prof. Hardik Shukla (L D Engg. College, Ahmedabad)	16	27/4/2020 11 AM
14	Heat Exchanger & its Application for Energy Conservation by Mr. Himanshu Shah (Airec Energy India)	10	30/4/2020 11 AM



**1 team shortlisted at National Level for further presentation
in design competition -2020-21**

13 Students are registered in ISHARE Job Junction.



Seminar or STTP

Sr. No.	Activity	Date
1	Four faculty members attended seminar on Era on Additive Manufacturing	4 th October 2020.
2	"Applied Computational Fluid Dynamics for Renewable Energy Systems & Hydraulic Machines"	1st to 5th February, 2021.
3	A-FDP on "Alternate Fuels"	08 – 12 February, 2021.
4	Road Safety awareness program has been organized by Centre of excellence in road safety in association with NSS	24 th February 2021.
5	"Applied Computational Fluid Dynamics for Automotive, Space and Defence Sector"	1st to 5th March, 2021.
6	Technical Webinar titled as "Casting Simulation using ZCAST Software"	5 th March 2021.

A. D. Patel Institute of Technology
 (A Constituent College of CVM University)
 Mechanical Engineering Department (NBA Accredited)
 Presents

**Applied Computational Fluid Dynamics
 for Renewable Energy Systems
 and Hydraulic Machines**

Short Term Training Program (Online)
 Sponsored by AICTE Under AQIS 2019-20

EMINENT SPEAKERS

Dr. Pradyumn Ghosh, Professor, IIT BHU
 Dr. D. P. Singh, Associate Professor, IIT BHU
 Dr. Manojkumar Patil, Associate Professor, IIT Madras
 Dr. S. K. Saha, Associate Professor, IIT Bombay
 Dr. N. S. Ghoshal, Assistant Professor, IIT Hyderabad
 Dr. Sankar Prasad, ICM, MBA, Prof., IIT

01 - 05 February 2021
 10:00 - 16:30

Register using the Link: <https://fbgy/roo1cx>

Contact Person:
 Prof. B. J. Vaidya
 989287201
 www.adptit@adit.ac.in

A. D. Patel Institute of Technology
 (A Constituent College of CVM University)
 Mechanical Engineering Department (NBA Accredited)
 Presents

**Applied Computational Fluid Dynamics
 for Automotive, Space
 and Defence Sector**

Short Term Training Program (Online)
 Sponsored by AICTE Under AQIS 2019-20

EMINENT SPEAKERS

Dr. Sanjay Mittal, Professor, IIT Kanpur
 Dr. Prakash Polkarni, Professor, IIT Bangalore
 Dr. Krishnakant Agarwal, Associate Professor, IIT Delhi
 Dr. A. Saravani, Professor, IIT Madras
 Dr. Y. G. Bhambhani, Assistant Professor, IIT BHU
 Dr. K. Shankar, Professor, VIT Vellore

01 - 05 March 2021
 10:00 - 16:30

Register using the Link: <https://fbgy/wkhdic>

Contact Person:
 Prof. B. J. Vaidya
 989287201
 www.adptit@adit.ac.in

FDP on “Alternate Fuels”

FDP on “Alternate Fuels”, Date: 08 to 12 Feb’2021

Sponsored by AICTE-ATAL Academy

Details of Eminent Expert Speakers

Sr No	Photographs	Name of Expert	Title
1		Mr. Subhash Joshi Principal Consultant, Towers & Young HR Advisors LLP, Vadodara	Lithium Batteries: Key Role in Alternate Fuels of Future Mobility.
2		Dr. S A Channiwala Professor, Mech. Engg. Dept., SVNIT, Surat	Alternative Fuels and Related Engine Technologies.
3		Mr. Pradeep Chandrasekaran General Manager, R&D, FORCE MOTORS Limited, Pune	Hydrogen Mobility - Challenges and Opportunities.
4		Dr. B M Ramani Professor & Principal, SLTIET, Rajkot	Potential and Power of Solar Energy Technology in the field of Automotive.
5		Dr. M Suresh Assistant Professor, Mech. Dept Karunya Inst of Tech & Science Coimbatore	Production Process of Biodiesel from Mexican Poppy in VCR CI Engine.
6		Dr. Absar Lakdawala Associate Professor, Nirma University, Ahmedabad	Tribo-Corrosion Behavior of Bio-Diesel.
7		Dr. S Niram Thipse Head & Sr. Dy. Director Power Train Engg. Lab. ARAI, Pune	Alternative Fuel Technologies for India.

Sr No	Photographs	Name of Expert	Title
8		Dr. Milind Yadav Associate Professor, Finolex Aca. of Manag & Tech, Pune	Variable Compression Ratio Engines and Optimization Using RSM.
10		Dr. P D Patel Assistant Professor, L D Engg College, Ahmedabad	Tribological Assessment of CI Engine Fueled with Biofuel.
11		Dr. Sudhir Gupte Proprietor, Prarambh Engg. Consultancy, Vadodara	-Inaugural & Technical Session Alternate Fuels - Need and Scope. -Hybrid Electric Vehicles and its Challenges.
12		Dr. Nimit M Patel Automobile Engg Dept. ADIT	Automobile Engineering Dept Lab Demo/PUC.
13		Mr. Jimit Mehta Quality Engineer, Tesla Inc, USA	Challenges with Mass production of EV Battery pack.
14		Prof. Flora Kamdar Trainer & Educator, Romania	Well being and Resilience to manage stress.






A Faculty Development Program (Online) On
"Alternate Fuels"
08 - 12 February, 2021

Sponsored By:
AICTE Training & Learning (ATAL) Academy

Organized By :
Automobile Engineering Department
&
Mechanical Engineering Department (NBA Accredited)
A D Patel Institute of Technology, New V V Nagar, Gujarat
(A Constituent College of CVM University)
www.adit.ac.in , www.cvmu.edu.in

Webinars

Sr. No.	Activity	Date	Name Of expert	Remark
1	Desiccant Dehumidification Assisted Air conditioning system	13 th March 2021	Dr. B Jani	Associate Professor of Government Engineering College, Dahod.
2	Casting simulation Zcast Software	5 th March 2021	Mr. Ganesh Babu D	GM- Product sales & Service DHIO Research & engineering Pvt. Ltd.
3	Industrial Automation and Its Application	22 nd Feb 2021	Mr. Mitesh Parmar	Senior Project engineer, Servitech Automation Center, Vadodara
4	Overseas Education in Current Pandemic	6 th Feb 2021	Mr. Nilesh Lal	VP- Azent Overseas Education Limited, Gujarat.
5	one-week STTP on “Applied Computational Fluid Dynamics for Engineers”	14 th – 18 th December 2020.	Dr. Vishal N Singh, Dr. Mitesh I Shah, Prof. Bala J Dutt	At A. D. Patel Institute of Technology.
6	one-week STTP on “Advances in Waste Management Systems”	2 nd - 6 th November 2020.	Dr. Mitesh I Shah, Prof. Maharshi Thakkar	At A. D. Patel Institute of Technology.
7	“Trends of Sustainable and Green Energy Technology in India”	21 st -25 th September 2020	Dr. Vishal N Singh, Dr. Ronak R Shah	At A. D. Patel Institute of Technology.
8	“Role of DFMA in New Product Design”	8 th August 2020	Dr. A T James, Prof. A Y Joshi, Prof. V J Banker	At A. D. Patel Institute of Technology.
9	“Era of Additive Manufacturing” under ISTE student chapter, GJ 021.	11 th July 2020	Prof. Kalpesh N Shah, Prof. Manoj Kumar, Prof. Vaishal J Banker	At A. D. Patel Institute of Technology.
10	“Technical Webinar Series”	18 th June 2020	Dr. Y D Patel, Dr. M I Shah, Dr. S M Patel, Prof. V J Banker	At A. D. Patel Institute of Technology.
11	“Welding - As a career”	30 th June 2020	Prof. A Y Joshi and Prof. V J Banker	At A. D. Patel Institute of Technology.



A D PATEL INSTITUTE OF TECHNOLOGY
(A CONSTITUENT COLLEGE OF CVM UNIVERSITY)

ADIT ISHRAE STUDENT CHAPTER/
MECHANICAL ENGINEERING DEPARTMENT
PRESENTS
A WEBINAR ON

**DESICCANT DEHUMIDIFICATION
ASSISTED AIR
CONDITIONING SYSTEM**

Date : 13th March 2021
Time : 11 AM to 12 Noon
Target Audience: Mechanical/Automobile/
FPT Students and Faculties

REGISTER NOW!

<https://forms.gle/2mEG8mHqUzgg0r>



FEEL FREE TO CONTACT

Dr. Ronak R. Shah : +91 94263 75505



DR D B JANI
ASSOCIATE PROFESSOR,
MECHANICAL ENGINEERING
DEPARTMENT, GOVERNMENT
ENGINEERING COLLEGE, DAHOD



A D PATEL INSTITUTE OF TECHNOLOGY
(A CONSTITUENT COLLEGE OF CVM UNIVERSITY)

A NATIONAL TECHNICAL WEBINAR ON
CASTING SIMULATION USING ZCAST SOFTWARE

Organized By:
Mechanical Engineering Department

DATE : 05-03-2021
TIME : 11:00 a.m.
Target Audience: UG and PG Students of Automobile
Production/Mechanical/Mechatronics Engineering
Faculty Members and Industry Experts

REGISTER NOW!

<https://bit.ly/3rTOMRr>



FEEL FREE TO CONTACT

Prof. Ayanesh Y. Joshi (+91 99250 12591)
Prof. Vaishal J. Banker (+91 88665 18560)



Mr. Ganesh Babu D. N.
GM - Product Sales and Service
DHIO Research & Engineering Pvt. Ltd.



A D PATEL INSTITUTE OF TECHNOLOGY
(A CONSTITUENT COLLEGE OF CVM UNIVERSITY)

A WEBINAR ON

**OVERSEAS EDUCATION IN
CURRENT PANDEMIC**

Organized By:
IIIP Cell, A. D. Patel Institute of
Technology, New V V Nagar, Gujarat

DATE : 06-02-2021
TIME : 11:00 a.m. to 12:00 p.m.
Target Audience: Third and Fourth Year ADIT
Students

REGISTER NOW!

<https://forms.gle/7PwKqyG0q420>



FEEL FREE TO CONTACT

Prof. Samarth Shelat
(9725735830)



Mr. Nilesh Lal
Vice President
Agent Overseas Education Limited
Gujarat



A. D. Patel Institute of Technology
Department of Mechanical Engineering presents,
Webinar on

"Era of Additive Manufacturing"

(Under ISTE Student Chapter, GJ 021)

📅 11/07/2020

🕒 10:00 AM to 11:00 AM

🕒 Registration Deadline: 10/07/2020, 3:00 PM

Register Now

<https://rb.gy/po4hng>



For any query, feel free to contact:

Mr. Kalpesh N. Shah (+91 94270 62268)

Mr. Manoj Kumar (+91 89852 49826)

Mr. Vaishal J. Banker (+91 88665 18560)

E-Certificates will be provided to all the attendees



Mr. Shubham Awasthi
Assistant Professor
Mechanical Engineering Department
GEC, Banswara

Placement Details

During Academic year 2020-2021



Parv Vachhani



Ved patel



Krishna Vinchhi



Jeet Shah



Nikunj Kumar Makwana



Narendrasinh Yadav



Arnav Anand



Devarsh Joshi



Harshvardhan Chavada



Shaswat Jadav



Sahil Vohra



Prashant Joshi





Jay Fofaria



Seeraj Parmar



Jainam Sanghvi



Kashyap Patel



Ritesh Rohit



Shresthkumar Kanojia



Ronak Patel



Placements:

Students from Mechanical Engineering Department were appeared in various 31 companies for their placements such as Nirma Ltd, L&T Infotech Drive, GE Power India Ltd., HLE Glasscoat, TCS, Evosys, Elmex etc.

Internship Data:

94 Students from final year Mechanical Engineering has pursued Industrial training at 55 different domain companies such as L&T Hydrocarbon Engg. Ltd., Gmm pfaulder, FCG Hi-Tech Pvt. Ltd., Jindal Saw Ltd., Loco carriage and wagon workshop, etc. for skill development and gaining practical exposure.

CONTACT US:

www.adit.ac.in

www.youtube.com/ADITCVMUNIVERSITY

Admission Enquiry: 1. Prof. Tejas Prajapati.

Email: me.tejas@adit.ac.in, Contact: 8866820375.

2. Prof. Sanjeev Rajput

Email: sanjivrjpt@gmail.com, Contact: 9558214818.

Placement Enquiry: Prof. Mehul Patel

Email: me.mehul@adit.ac.in or
placements.me@adit.ac.in,

Contact: 7600104669.