



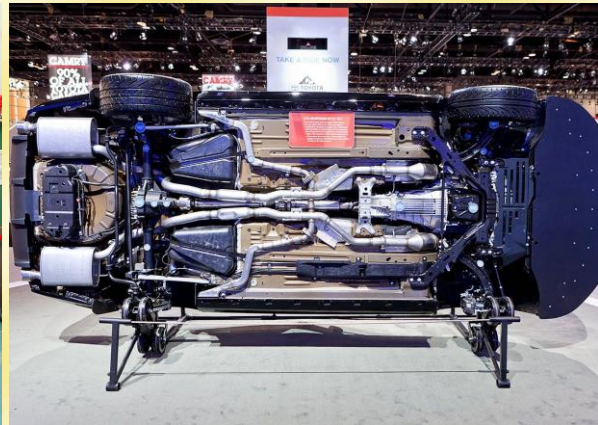
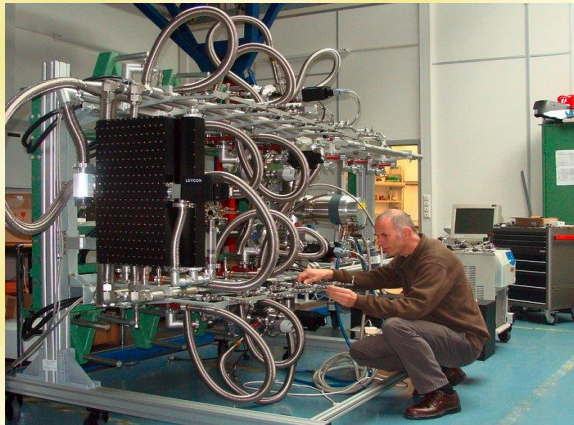
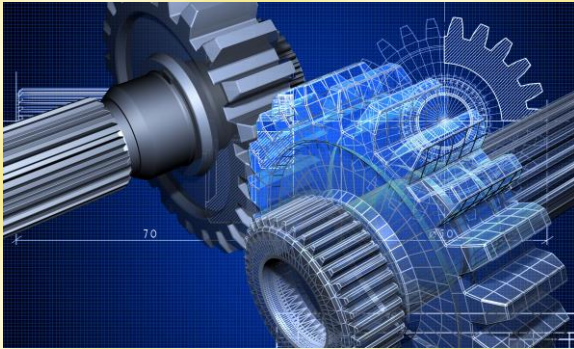
# MECHVISION



January - June 2021

Mechanical Engineering Department

L. D. College of Engineering



**Advisor:**

Dr N M Bhatt

**Editor:**

Dr. K. G. Dave

**Committee Members:**

Prof. G. N. Sutaria

Prof A G Momin

Dr. M. D. Chaudhari

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## 1. Message from Principal



Dear Students and Faculty Members,

The year began on a note of hope and fulfillment with the celebration of the Kite festival by the Umeed fest. We celebrated the 72nd Republic day with all the grandeur and responsibility while observing the Covid19 protocol. Further, in the academics and research areas, various departments organized online webinars, FDPs, published research papers and delivered expert lectures. All of us are facing academic challenges during these tough times and I am glad to inform you that we are not only supporting the students in academics, but we have also extended help and support to those in need due to Covid. L. D. College of Engineering also executed a vaccination drive for all of the staff and faculty members in the month of May. Online Kaizen 2021-UG and PG final year project open house activities have been successfully organized by department during 19-22 April.

Our focus has always been one of breeding cross-departmental teams that can enhance the effectiveness of the team and execute project with better results. Such cross-departmental projects can lead to an effective utilization of the core specializations of every team member and reduce the timeline for implementation of the project, which can lead to faster roll-out of new designs and products. One of the best examples to execute this philosophy has been implemented by Mechanical Engineering Department which has always been a frontrunner in their efforts towards research and innovation. One of the two patents filed by Mechanical department involves team members from five different departments which lead to a creative solution for a common problem. Students and faculty members have cultivated the culture of innovation through the use of the state-of-the-art facilities at Centre of Excellence. We congratulate to the department for its achievements and hope the forward march continues.

Dr. R. K. Gajjar

Principal,

L D College of Engineering

30<sup>th</sup> June 2021

## 2. Message from Head of the Department



Dear Friends, Colleagues, Students and Alumni:

It is a matter of great pleasure to present before you yet another issue of Newsletter of Mechanical Engineering Department “MECHVISION”. Department is indebted to our respected Principal, who gave this opportunity to summarize the achievements of our students, faculty members and staff members.

I feel very proud to write that Mechanical department is spearheading towards upgrading the knowledge base. The proof of the pudding can be seen through consistent publication track record and expert lectures that our faculty members conduct in various institutes around Gujarat. The department truly embraces the saying, “Knowledge is useless without consistent application”. Department has been a frontrunner in applying the knowledge to foster innovative practices and creative designing. This has led to a consistent filing of patents since last two years. The students and faculty members of the department have filed two patents in the last six months. The students involved in filing these patents are in third year across different departments, which is the most exciting part of these patents. Another aspect of application of knowledge is through the domain of consultancy which the faculty members of the department have explored extensively in the last six months. The consultancy work has benefitted several institutions involved in public welfare through extensive designing and testing.

The newsletter would not have been possible without supports of all teaching and supporting staff members of the department and I am thankful to them. Any constructive suggestion for improving the future issues is most welcomed.

With Regards,

Dr N M Bhatt  
Professor and Head,  
Mechanical Engineering Department  
30<sup>th</sup> June 2021

### 3. Vision and Mission of the Department

#### Vision

To prepare self-driven, environmentally-friendly, self-esteemed, inventive and oriented Mechanical Engineers with virtuous knowledge, proper analytical perceptive and good communication skills.

#### Mission

To develop industry oriented Mechanical Engineering graduates to accept the challenges of society by,

- (1) Teaching Mechanical Engineering knowledge through highly qualified and trained faculty in encouraging environment.
- (2) Creating awareness about the needs of industries and society through alumni and Industry-Institute interactions.
- (3) Encouraging them to think inventively and introduce them to various research activities through advanced project works related to Mechanical Engineering.
- (4) Supporting them to prepare in all aspects like communication, entrepreneurship and interpersonal skills.

### 4. Mechanical Engineering Department - at a Glance

Name of Course	Type	Period (Years)	Intake	Year of Starting
Mechanical Engineering	UG	4	120	1948
Computer Aided Design & Manufacturing	PG	2	18	1996
Cryogenic Engineering	PG	2	15	1990
Internal Combustion Engines & Automobile	PG	2	18	2003
Mechanical Engineering	PDDC	4	120	1968

## Faculty members of Mechanical Engineering Department

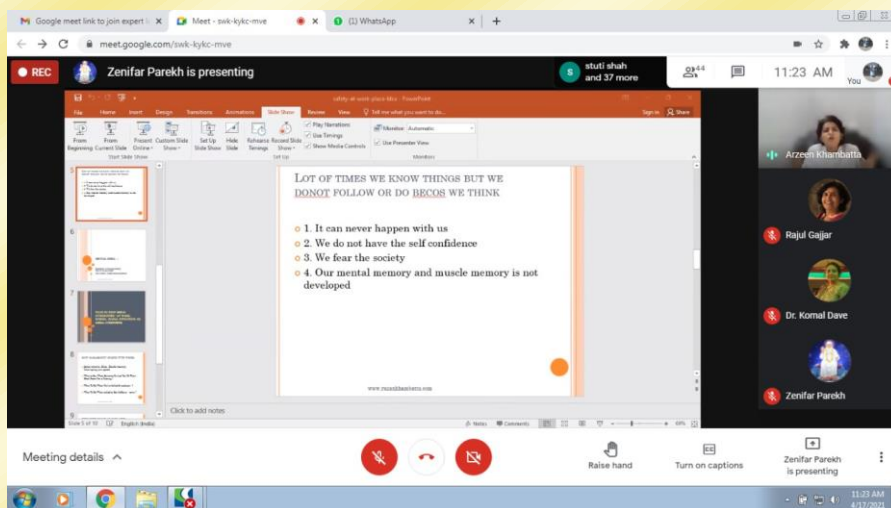
<i>Professor</i>	
Dr N M Bhatt	Dr. R. G. Kapadia
Dr. K. G. Dave	
<i>Associate Professor</i>	
Prof. Y. D. Vora	Dr. P. R. Rathod
Prof. M. A. Lohia	Prof. M. M. Makwana
Prof. R. J. Jani	Dr. S. S. Pathan
Prof. R. O. Paliwal	Dr. A. V. Patel
Prof. S. A. Saraswat	
<i>Assistant Professor</i>	
Prof. H. P. Patel	Prof. P. C. Sheth
Prof. S. R. Pandya	Dr. B. K. Patel
Prof. M. K. Vyas	Prof. P. V. Jotaniya
Prof. H. M. Ravat	Prof. V. D. Sonara
Prof. S. P. Shah	Dr. U. A. Patel
Prof. D. U. Panchal	Prof. S. B. Bhatt
Dr. D. R. Shah	Prof. N. K. Patel
Prof. G. N. Sutaria	Prof. A. G. Momin
Prof. D. K. Patel	Prof. S. J. Patel
Prof. D. M. Chandra	Prof. A. C. Pambhar
Dr. H. M. Gajera	Prof. H. R. Patel
Prof. K. P. Hirpara	Dr. N. H. Pancholi
Prof. M. D. Patel	Prof. N. K. Pranami
Prof. J. P. Dataniya	Prof. M. M. Makwana
Dr. M. D. Chaudhari	Prof. K. A. Patel (Adhoc)
Prof. S. B. Shah (Contractual)	

### 5. Faculty and Student Achievements

- Dr N M Bhatt delivered online expert lecture on ‘Development of Energy Efficient, Low Cost Solar Air Heaters for Heat Delivery up to 200°C’ during STTP on Recent Development on Renewable Energy organized by GEC Bharuch on 6/04/2021.
- Dr N M Bhatt delivered online expert lecture on ‘Recent Developments in Solar Refrigeration and Air-conditioning’ during STTP on Recent Trends and Scope in Solar Technology organized by Shree Swami Atmanand Saraswati Institute of Technology on 17/05/2021.
- Dr N M Bhatt delivered online expert lecture on ‘Development of Energy Efficient, Low Cost Solar Air Heaters’ during STTP on Recent Trends and Scope in Solar

Technology organized by Shree Swami Atmanand Saraswati Institute of Technology on 18/05/2021.

- Dr N M Bhatt was appointed as coordinator of an expert committee constituted by Directorate of Technical Education to explore the opportunity to collaborate with International Automobile Center of Excellence (iACE) Gandhinagar. The committee visited the center on 6/01/2021 and submitted its report to DTE.
- Dr N M Bhatt was invited by GP Ahmedabad to conduct mock accreditation for their Diploma Mechanical program on 30/03/2021.
- Dr N M Bhatt is appointed as convener of Furniture procurement committee by DTE for the year 2021-22.
- Dr N M Bhatt is appointed as member of a committee constituted by Directorate of Technical Education to propose a draft policy to operate Government Technical High Schools on PPP mode. The committee has submitted the draft policy to the DTE.
- Dr N M Bhatt is appointed as zonal officer of zone 1 Degree of the NBA committee constituted by Directorate of Technical Education.
- An expert lecturer on ‘woman safety at workplace’ by Ms. Ruzan Khambatta-Social disruptor and a true blue reformist working as an action agent for women safety, security, is organized by Dr. Komal G Dave-presiding officer of ICC at LDCE campus on Date 17<sup>th</sup> April 2021, during 10.45 am to 12:30 pm through google meet platform. More than 60 participants take advantage of lecturer and made fruitful discussion with expert on women issues.



- As a member of Women Development Cell, LDCE, Dr. Komal G Dave made coordination for 30 faculty members and girl students of LDCE for program on ‘WeStart’ at KCG on 07/03/2021.

- Dr. Komal G Dave and Dr. R. N. Desai have coordinated an online program on International Women's Day on 08/03/2021 in collaboration with SAE and WDC.
- Dr. K G Dave participated at skill workshop on "Women Empowerment at iACE" at International Automobile Center of Excellence, Gandhinagar during 4-5 March 2021.
- Prof. P R Rathod delivered an expert lecture on "Surface Engineering and Automation" during an STTP title "Trends in Mechatronics and Manufacturing Industrial Automation" at Arya Institute of Engineering Tech and Management on 12/02/2021
- For fostering the ecosystem bridging Government, Academia and Industry, Dr. S S Pathan was appreciated jointly by Texas Instruments, USA & AICTE. The certificate of appreciation was issued to him for coordinating Swayam MOOC on "TI Embedded System Design using MSP430".
- At the institute level, Dr. S. S. Pathan coordinated Swayam NPTEL Local Chapter activities. Total 186 members have registered for 389 NPTEL MOOC Courses for the semester of Jan - Apr 2021.
- Dr S. S. Pathan gave an expert talk on "Mathematical modelling and optimization with MATLAB Optimization toolbox" in an online FDP organized by Civil Engineering Department of L. D. College of Engineering during January 18 - 22, 2021. The participants were from engineering colleges and polytechnics of Gujarat state.
- Prof A. V. Patel worked in the Ahmedabad District Rides Inspection Committee as an expert member in the area of Mechanical Engineering check design and assessment of rides located at various locations in Ahmedabad district during this period.
- Prof M K Vyas attended an online STTP on "Inculcating Universal Human Values in Technical Education" conducted by AICTE Delhi, during February 01 – 05, 2021.
- Prof. M K Vyas organized an Expert lecture of Mr. Hardik Patel from H.S.B.C, Bangalore for 6<sup>th</sup> Semester students on "Finance and Management a step towards an Entrepreneurship" on 19<sup>th</sup> June 2021 as a firsthand interaction for future young Entrepreneurs.
- Dr. M. D. Chaudhari delivered an expert talk at Government Engineering College Gandhinagar on 19<sup>th</sup> January, 2021 on the topic of "Phase Diagrams and Phase Transformations". Around 75 students and faculties have participated in the talk.
- Dr. M. D. Chaudhari delivered an expert talk on 1<sup>st</sup> February, 2021 on the topic of "Dislocation Theory: Slip and Slip Systems, Strengthening Mechanisms" for AICTE-GTU sponsored FDP on "Metallurgy for All" held at Government Engineering College Gandhinagar.



- Dr. M. D. Chaudhari delivered an expert talk on 2<sup>nd</sup> February, 2021 on the topic of “Phase Diagram” for AICTE-GTU sponsored FDP on “Metallurgy for All” held at Government Engineering College Gandhinagar.
- Prof. S. B. Shah attended virtual webinars at Arasu Engineering College on "Research Article Writing" on 18/05/21 and "CNC Machine Tools and Basic Programming” on 21/05/21.

## 6. Research and Development Activities

- Prof. Y. D. Vora & faculty team have done consultancy and testing work worth costing Rs 4,59,500/- during January to April 2021 in the area of trailer design approval, umbrella consultancy etc. from M/s Gujarat Agro Industries Corporation Ltd, Gandhinagar and other industries. Prof N M Bhatt, Prof R G Kapadia, Prof K G Dave, Prof P R Rathod, Prof S S Pathan, Prof R O Paliwal, Prof R J Jani, Prof U A Patel, Prof H P Patel, Prof G N Sutaria, Prof N H Pancholi, Prof M D Chaudhari, Shri D M Chavda and Shri M D Patel have extended their cooperation and services to complete this consultancy task successfully.
- Dr. K. G. Dave and Prof J G Parmar have published a technical paper on “Multi Objective Optimization of Machining Parameters in End Milling of AISI1020” in ‘International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278–3075 (Online), Volume-10 Issue-8, June 2021, Page No. 54-63.
- Dr. K. G. Dave and Prof Maulik Patel have published a technical paper on “Studies the twin stir technology and welded parameters of friction stir welding on AA7108 T79” in Journal of Xi'an University of Architecture & Technology , Volume XIII, Issue 6, JUNE 2021 ISSN No : 1006-7930 pp 592-598.
- Dr. K. G. Dave and Prof Maulik Patel have published a technical paper on “Genetic Algorithm-Based Optimization of Friction Stir Welding Process Parameters on AA7108” in ‘International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278–3075 (Online), Volume-10 Issue-8, June 2021, Page No. 47-53.
- Dipak Chopara (PG student ME -CAD-CAM and scientist at ISRO, Ahemdabad) and Dr. K G Dave have published a technical paper on “Design and development of S band radio frequency (RF) cavity filter using carbon fiber reinforced polymer (CFRP) material for communication satellite” in 2nd International Conference on Recent Advance in Manufacturing, SVNIT, Surat during 10-12 June 2021.
- Ms. Mamta Patel (PhD student - GTU) and Dr. K G Dave have published a technical paper on “An Insight of Compacted Graphite Iron (CGI) Characteristics and its Production: A Review” in 2nd International Conference on Recent Advance in Manufacturing, SVNIT, Surat during 10-12 June 2021.

- Mr. H. M. Chavda - Joint Director Horticulture Gandhinagar, Mr. Abhay Jain - Managing Director, Mr. S. K. Chaudhari - Divisional Manager, Gujarat Agro Industries Corporation Ltd, Gandhinagar have appreciated the efforts placed by the Team - L D College of Engineering, Ahmedabad this consultancy work (completed in short period of time)



- Prof. M K Vyas and Pisuwala Mohammed Arbaz, (160280119082\_Passout 2020) have published a paper titled “Experimental Investigation of Flaking Failure in Roller Bearings and its preventive Measures in International Journal for Research in Engg. Application & Mgmt, Volume 06, Issue 11 in Feb-2021
- Prof M K Vyas, Raj Tank (180283119027), Jimish Thakkar (180283119028) and Maharshi Shukla (180280119106) have presented a paper titled “Techniques to Mitigate the Impact of Plastic Waste on a– Review” in GCESDIP International Conference held at SVNIT Surat during 16 – 18th June 2021.
- Prof. M K Vyas, Raj Tank (180283119027) and Jimish Thakkar (180283119028) have presented a paper titled “Road Map- Waste to Wealth” in GCESDIP International Conference held at SVNIT Surat during 16 – 18th June 2021.
- Dr. U A Patel published paper in Scopus indexed journal on topic “Numerical investigation for the determination of equal vibration amplitude of the linear undamped vibrating system using conventional and ground hook dynamic vibration absorber by modification in the damping factor and mass ratio in International journal of advanced science and technology, ISSN 2005-4238 E ISSN 2207-6360.
- Prof. G N Sutaria and Vaibhav Badheka have published a review paper on “Technical Review on Experimental Investigation of Fuel Blends in Diesel Engine” in International Journal of All Research Education and Scientific Methods (IJARESM), Volume 9, Issue 4, April -2021, pp. 2873-2879, ISSN: 2455-6211.
- Dr. Nilesh Pancholi presented research paper titled “Decision-making on Maintenance Planning using PSI by Discriminating Critical Components and Reliability Modeling through Shop-floor Failure Data “ at 24th FAI-International Conference on DBSMD

2021 (Scopus indexed Springer Proceeding) through online mode during 25-27 June, 2021.

- Mishra Yash Rajneeshbhai, Khemka Utsav Shailendra, Shukla Maharshi Tushar, Agarwal Pranav Sumankumar, Dr. Hiren M. Gajera and Prof. Vasani Jayendra Pankajbhai filed a complete patent titled "Grinding attachment For Vertical Drilling Machine" under patent application number 202121023735 on 28/05/2021.
- Mishra Yash Rajneeshbhai, Soni Daxit Bharatbhai, Maurya Shivane Lalsaheb, Sarvaiya Khushi Dharmendrabhai, Singh Ankit Sunil, Bhatt Kirtan Pradipkumar, Dr. Mrunalkumar D. Chaudhari and Prof. Vasani Jayendra Pankajbhai filed a complete patent titled "Floating Trash Collecting Device" under patent application number 202121021196 on 11/05/2021.

## 7. Departmental Activities

- Department has successfully organized online Kaizen 2021. The projects fair of final year under graduate course and three post graduate courses was organized to demonstrate their projects and research work to society and other students during 19- 21 April 2021. Total 36 projects of UG and 42 projects of PG were displayed through various online platforms and judged by renowned industrialist and senior faculty members of department. Following points have been considered during the evaluation processes. (i) Innovation/Novelty (ii) Design aspects / methodology, (iii) development of model, (iv) analysis/ experimentation, validation (v) Presentation and question-answer (vi) team work. Students participated with great enthusiasm and passion. All the faculty members of the department encouraged them to develop a positive attitude in difficult situations of Covid-19.

Microsoft Teams

INTERNAL REVIEW - 8 BHADRESH DABJI

### Principle of Working

Principle of level gauge

Where

- $L_1$  = Length of probe immersed in the liquid
- $L_g$  = Length of probe immersed in the vapour
- $L = L_1 + L_g$  = Total length of probe

Participants

Type a name

Share invite

HR HARISHKUMAR RAWAT

Dr. Manoj Kumar Gu...

75 711015 SUNILKUMAR

D DARJIBHADRESH

KJ KALAL JIGNESH

M MALAVATNAFAL

RP RAHUL O PALIWAL Organizer

SANDEEPKUMARSHAH

ZALAVADIAMONIK

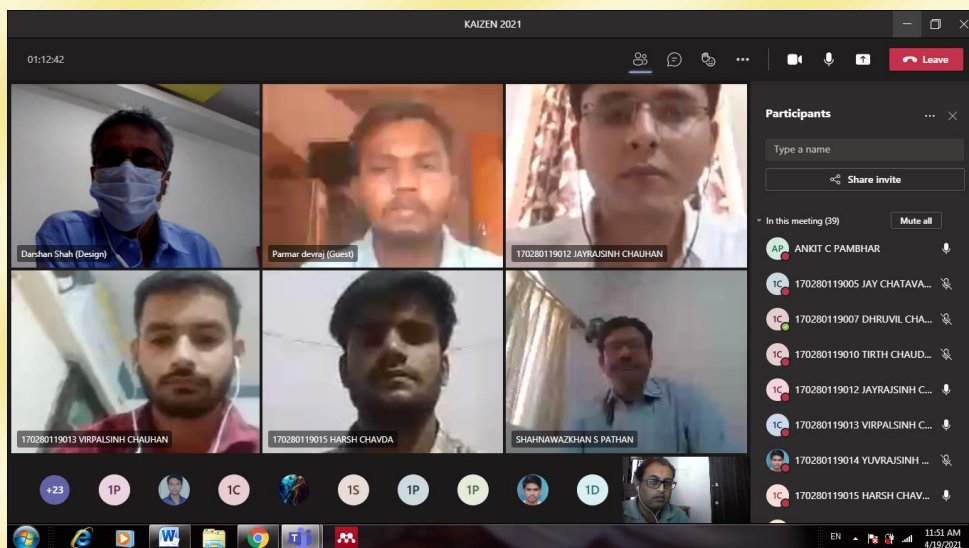
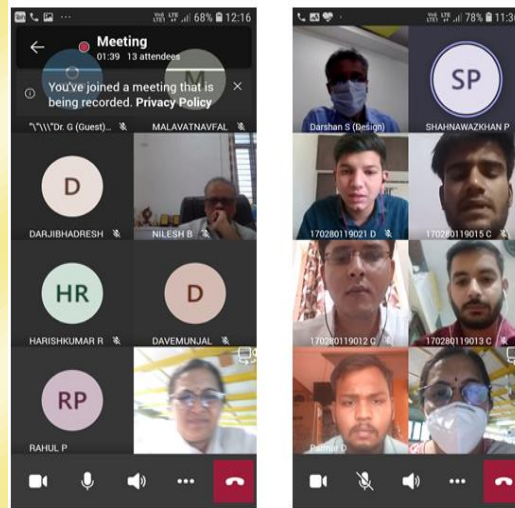
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+3 KJ M RP D HR

Dr. Manoj Kumar Gu... RAHUL O PALIWAL DARJIBHADRESH

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- Mechanical Department has been coordinating and representing the institute for IIRS-ISRO Outreach e-learning programs. Total of 215 students have been registered, till date, for 8 different online outreach programs based on remote sensing, GPS, Geocomputation techniques & Geoweb services, Overview of Geoprocessing using Python, Advances in SAR-Polarimetry & Interferometry.

## 8. COE Siemens Activities

- Dr. S. S. Pathan, Coordinator of Siemens - Centre of Excellence has provided an online teaching education for CAD, FEM and other allied subjects using CoE Siemens resources – engineering NX CAD/CAM software. Further, MATLAB and ANSYS were also used for the PG and UG class teaching and it was very much appreciated by the students. Dr. S. S. Pathan and Prof. Nitin Pranami along with other faculty members concerned with Siemens CoE of Mechanical Engineering have put their diligent efforts for making it happen on larger scale for the benefit of the student community.

- Dr. S. S. Pathan coordinated one week online short term training on “ANSYS overview” during May 3, 2021 to May 7, 2021 and parallel one week online short term training programme on “Introduction to HFSS” for the students and faculty members of Mechanical Engineering and Electronics Engineering respectively.
- Two parallel one week short term courses on “Introduction to CFD using ANSYS” and “Introduction to Low frequency Electromagnetics” during May 10, 2021 to May 14, 2021 were coordinated by Dr. S. S. Pathan. Students and faculty members of Mechanical Engineering, Electrical Engineering and Electronics Engineering participated and appreciated a lot the said training programmes.
- Mr Vijaya Krishna K, Manager Business Operations and Mr Rahul Pattani Engineer, International Automobile Centre of Excellence (iACE), Gandhinagar visited Centre of Excellence – Siemens on January 29, 2021 and seen various CoE Siemens laboratories. During the visit, Prof. Y. D. Vora and Dr. S S Pathan explained about facilities available in various laboratories and different training modules related to design and manufacturing offered by the center. Moreover, a discussion on utilization of CoE Siemens center for student’s project and dissertation was also carried out. They were very much impressed by visiting such state of the art facilities of the institute. Dr N M Bhatt, HOD Mechanical and Prof. Y. D. Vora, COE coordinator coordinated and Prof R J Jani and Prof J P Vasani arranged the visit.
- Mr Rajesh Tripathy (ALUMNI LDCE) – COE, Tectona Softsolutions (P) Ltd, Ahmedabad and his team members visited Centre of Excellence – Siemens on February 12, 2021 and seen various facilities of COE Siemens center. Prof. Y. D. Vora and Dr. S. S. Pathan explained and discussed about utilities of various state of the art laboratories and made aware them about different training programs offered to the industry by the center. Based on the exhaustive discussion, they showed their interest to give research projects on CFD analysis to our PG students ME (Mechanical) CAD/CAM, Cryogenics Engineering and IC/Auto branch. They were happy to see such latest facilities in Gujarat state. Dr. Mihir V Shah and Dr. Manish Thakkar had arranged, and Prof. Y. D. Vora and Dr. S S Pathan, CoE coordinators coordinated this visit.



## 9. COE Welding Activities

- Center of Excellence Welding - Keepsake welding research and skill development center facilitates number of students of UG, PG and Ph.D. from different department of LDCE, Ahemdabad for their experimental work regarding the final year project, dissertation and research respectively for practical knowledge upgradation and research area.

Sr. No.	Project Name	Student Name	Guide Name
1	Effect of welding parameters of high-tech welding technique on cladding materials. (B.E Project- Mechanical Dept.)	Rathod Vishal B, Darshangiri Subeshgiri, Sangani Prashant D, Mohammad Ali H	Prof. A G Momin
2	Characteristic analysis of thermal coating of NiCrBSi alloy powder performed by transferred plasma Arc spraying on SS316 material. (M.E Project -Mechanical Dept.)	Patel Raj Shivkumar	Dr. P R Rathod
3	Increasing the concentration of effluent using solar energy. (B.E Project- Mechanical Dept.)	Thakkar Vivek , Chaubey Tejas , Gurav Yash , Siddhpura Ronak , Sonkusare Vivek	Dr N M Bhatt
4	Performance Evaluation of TiAlN coated tool during hot machining of OHNS round box (M.E Project- Mechanical Dept.)	Parmar Jayesh h	Dr. P R Rathod
5	Prediction of Performance Parameters of Fused Deposition Modelling process with an Artificial Neural Network Approach (M.E Project- Mechanical Dept.)	Shah Prerak V	Dr. K G Dave
6	Studies on Consolidation Characteristics of Marine Clay using Geodrain (M.E Project- Applied Mechanics Dept.)	Rutvik Kalthaiya, Ashvini Mehta	Dr. M V Shah



Plasma arc welding setup with robot



Augmented reality welding simulator

## 10. Internal Combustion Engine Laboratory

- Internal combustion engines are the most common form of heat engines, as they are used in variety of thermodynamic applications. It is the most common power source for automobile vehicles like motorcycles, cars, bus, trucks, ships etc. and to a lesser extent, locomotives.
- The experiments to be performed in a laboratory are ideally designed in such a way as to reinforce the understanding of the basic principles as well as help the students to visualize the various thermodynamic phenomenon encountered in different applications. The objective of this laboratory is to familiarize the students with practical skills, measurement techniques and interpretation of results to enhance the psychomotor domain. Laboratory is having following facilities,
  - 1) Single cylinder four stroke Petrol engine test rig
  - 2) Computerized control Single cylinder four stroke Diesel engine test rig
  - 3) Multi fuel computerized control Single cylinder VCR engine test rig
  - 4) Exhaust Gas Analyzer (Five Gas)
  - 5) MPFI System with display board
  - 6) Diesel pump test bench
  - 7) Four cylinder four stroke Petrol engine test rig
  - 8) Four cylinder four stroke Diesel engine test rig
- These are highlights from some of our major facilities, available in the laboratory.



Multi fuel computerized control Single cylinder VCR engine test rig



Computerized control Single cylinder four stroke Diesel engine control test rig



Single cylinder four stroke Petrol engine test rig



MPFI System with display board

## 11. Student Placement

- Following students of BE and ME Mechanical were placed in different companies during January to June 2021.

Sr. No	Enrollment No	Name	Name of Company	Salary Package (LPA)
1	180283119022	Ruparelia Ravi Pravinbhai	ARAYMOND	3
2	170280119051	Makwana Arpit Ganeshkumar		
3	170280119002	Banker Meet Rameshchandra		
4	170280119114	Suthar Akash Vimal	KOCKNER DESMA PVT LTD	1.8
5	170280119078	Patel Sachin Kamlesh	COROMANDEL	3.6
6	180283119024	Shah Vraj Sanjaykumar	LOHIA GROUP	4
7	170280119046	Kanzariya Rohit Devjibhai	RSPL GROUP	2.4
8	170280119048	Khurana Harshil Dineshkumar	TATA ADVANCED SYSTEM LTD.	2
9	170280119029	Gajjar Darshan Ketanbhai		
10	170280119064	Pandya Kush Tusharbhai	IRM ENERGY	3
11	170280119061	Panchal Dhruv Yogeshkumar	ATUL CHEMICAL	4.8
12	180283119002	Barad Parth Rameshbhai		
13	170280119004	Bhavsar Meet Rajendrakumar		
14	170280119031	Gauswami Darshangiri Sureshgi	ZENUS GROUP	3
15	170280119080	Patel Sarthak Kaushikkumar		
16	180283119011	Patel Jaykumar Pravinbhai		
17	180283119025	Soni Darshankumar Pramodbhai		
18	180283119026	Suthar Kishan Harenbhai		
19	170280119066	Parekh Ankit Kamleshbhai	WELSPUN	3.8
20	170280119106	Shah Rikhav Munishkumar		
21	170280119118	Thakkar Vivek Shaileshbhai	TATA CHEMICAL LTD	5
22	170280119051	Makwana Arpit Ganeshkumar	RUSSELL & DAWSON LNC	3
23	180283119003	Darji Dhaval Girishkumar		
24	170280119018	Dagli Meetkumar Jigneshbhai	AUDI (KIA MOTOR)	2.4
25	170280119088	Prajapati Keyur Mehulkumar	ADANI TOTAL GAS LTD	4.2
26	170280119114	Suthar Akash Vimal		
27	170280119006	Chaubey Tejas Brijeshbhai		
28	170280119075	Patel Manthan Jayantbhai		