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JANUARY TO JUNE 2022

**AUTOMOBILE ENGINEERING DEPARTMENT
L D COLLEGE OF ENGINEERING**

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Major Events

- Hackathon awareness session was organized by automobile department on 3/3/2022 by Prof. J P Vasani. More than 50 students have attended this session.



- Placement fair-2022 was organized on 15th and 16th March 2022 at GP Gandhinagar. Faculty Coordinator Prof. V G Trivedi with 8 students from automobile attended the placement fair on 15th march 2022.
- SAEIndia Gujarat Division Western section foundation day was celebrated on 24th March, 2022 (24th March, 2018 Establishment day). On this day expert talk was arranged on “Renewable energy & business Development”. Expert for this session was Mr. Amar Variawa Vice Chairman, SAEINDIA-WS-Guj division & Senior Director - Public Affairs & Business Development, Vestas Wind Technology India Pvt Ltd. The session was chaired by Dr R K Gajjar, Principal L D College of Engineering & Chairman SAEINDIA-WS-Guj division and by Mr. Sanjay Nibandhe Chairman, SAEINDIA WS & Senior Deputy Director – Chakan Operations & Passive Safety Lab., ARAI from Pune WS. There were 66 participants along with faculty and students in hybrid mode.

SAEINDIA GUJARAT DIVISION

SAEINDIA Gujarat Division Anniversary Celebration

Date: 24th March 2022 Time: 3:00 pm to 4:30 pm

Renewable Energy for Sustainable Development in India

Keynote Speaker
Mr. Amar Variawa
 Senior Director - Public Affairs & Business Development,
 Vestas Wind Technology India Pvt Ltd

Webinar WebEx Link:
<https://saeindia-event.webex.com/saeindia-event1.php?MTID=maac6444b13fa31a5cf28c171d6a7e92>
 WebEx Meeting number: 2518 622 0972
 Password: GJmBVAGW584

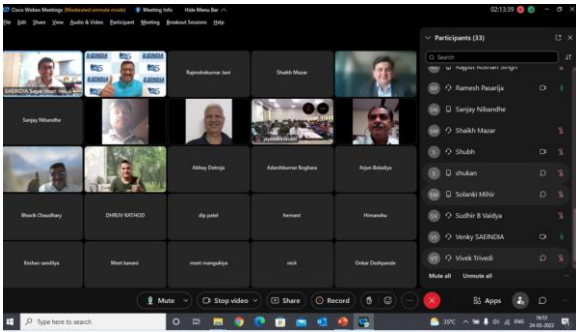
Patrons

Dr. R. K. Gajjar
 Principal, L D College of Engineering
 Chairman, SAEINDIA Gujarat Division

Mr. Sanjay Nibandhe
 Senior Deputy Director, ARAI & Co.
 Chairman, SAEINDIA Western Section

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- Session on “How to plan for start-up and legal & ethical steps” organized on hybrid mode on March 25th, 2022. Mr. Mayank Patel, CEO of technology business incubator (TBI) at Indian Institute of Public Health, Gandhinagar and Mr. Hardik Gohil, CEO and Founder of Neelkanth Solutions are experts for this. 9 faculty members and 62 students have participated in this event. The session focused on startup methods and process. The intention or the objective of the session was to help the students to plan a startup of their interest. Various aspects of startups were discussed in the program including the identification of problems, Proof of concept, MVP and it’s development process, scale up process, ethical and legal aspects. Various case studies of startups discussed during the session.



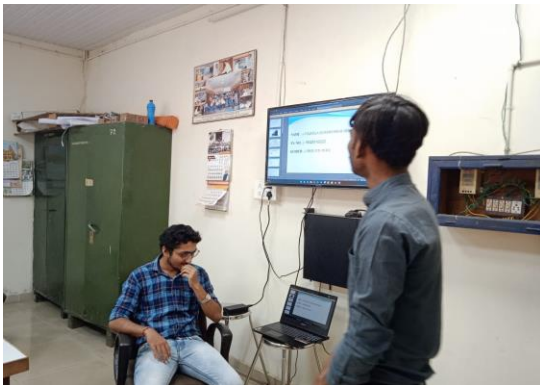
- MG Motor India presents Hector to LD College of Engineering to reinforce skill development April 06, 2022: MG Motor India presents a Hector to LD College of Engineering to aid in bridging the gap between industry and academia of the auto-tech industry. Aligned with MG Nurture program and in line with MG’s vision of CASE mobility, the initiative will foster skill development of students and make them job-ready. Mr Kannan R, Director –Quality, MG Motor India, Dr. Rajul Gajjar, Principal LD College of Engineering Have Sign MOU for this.

About this association, Mr Kannan R, Director –Quality, MG Motor India, said, “We are committed to equipping the current generation of students with skills that will be relevant in the mobility segment of tomorrow. We are delighted to partner with LD College of Engineering and are confident that this initiative will technologically transform students and prepare them for future job opportunity.”



- KIAZEN – 2022 was celebrated by the Automobile Engineering Department of the institute with great enthusiasm and support by all faculty members and students on 22/04/2022. The event was inaugurated with formal welcome and introduction of the experts by the Head of Department Prof R.J. Jani. 56 UG students presented their work as part of their curriculum requirements and out of which 3 students presented their project

and remaining 53 students presented their internship reports and tasks completed during internship to the experts. All students have presented their projects to Mr. Anil Chunch, Group CEO, Popular Wheelers Pvt Ltd. and Mr. Jigar Patel, CEO, Vianci Enterprise, who are experts for KIAZEN – 2022.

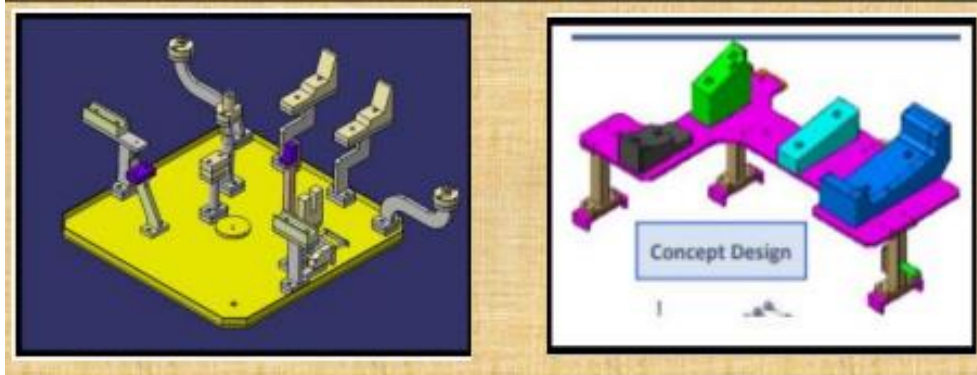


First rank in Kaizen 2022

Name of project: Automatic Power train Decking , Takt Time Calculation & Alternative Layouts

Team members: Patel Vatsal Rajeshbhai

Guided by : Prof J.P Vasani



Second Rank in Kaizen 2022

Name of project: Maintenance of Electric BRTS

Team members: Patel Preyansh Rajanikant, Sharma Jay Kamleshkumar

Guided by: Prof J. P. Vasani

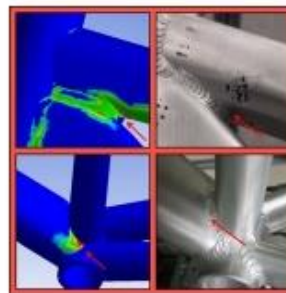


Project 3: Third Rank in Kaizen 2022

Name of project: Material Selection and Optimization for Bicycle Frame.

Team members: Mathuria Prakhar Brijesh

Guided by: Prof V G Trivedi



Industry - Institute Interaction

- Field visit to FAB LAB at CEPT University, Ahmedabad. On 18/02/2022, 2 Faculty members and 40 students have visited this. This visit gives knowledge for prototype development based on the needs. Students also learned to use and select different materials for the development of a variety of models. They learned to use modern and user-friendly digital production machines like 3D Printer, 3D scanners, laser cutters, etc. Students will identify their capabilities to make (almost) anything by this visit.



- Informative session on “Globalization in Education and Abroad studies” and was arranged by Mr. Manminder Singh of Pyramid consultant on 10-03-2022. More than 70 students have participated in this session.



- Industrial visit conducted at Indo German tool room, Vatava on 14/03/2022. Two faculty members and 45 students have visited and taken advantage of this visit.



- As a part of celebration of LDCE@75 સફર – Journey to Success Automobile Engineering Department have arranged expert talk of Automobile Alumni on 21/06/2022 during 11.00 am. To 12.30 pm.
 - Mr. Harsh Joshi, Director, Monarch Innovation Private Limited
 - Mr. Saurabh Trivedi, Territory manager, Vastu Housing finance company Corporation
 - Mr. Unmit Parmar, Associate – Crash, Investigation & Prevention Save LIFE Foundation
 - Mr. Rihen Shah, Manager Vendor & product development Electric Vehicle, Oben Electric
 - Mr. Harsh Joshi and MR. Unmmit Paramar have shared their experience and motivated students, they were present offline. Mr. Saurabh Trivedi and Mr. Rihen Shah have shared their experience and motivated student in online mode. More than 100 students have attended this.

સફર – Journey to Success

Inspirational Success Stories by our Esteemed Alumni

The Prominent Alumni



Mr. Harsh Joshi
Director
Monarch Innovation
Private Limited



Mr. Saurabh Trivedi
Territory manager
Vastu Housing finance
company Corporation
Ltd



Mr. Unmit Parmar
Associate - Crash
Investigation &
Prevention
Save LIFE Foundation



Mr. Rihen Shah
Manager Vendor &
product development
Electric Vehicle
Oben Electric



Faculty Activities

- 27th -28th February and 1st March 2022, Prof. R J Jani has worked for students coming back to India and then Gujarat from Ukraine as an overall coordinator from Technical Education department.



- Prof. Mazar Shaikh has delivered expert lecture in GUJCOST sponsored 3 day workshop on Hybrid Electric Vehicle at Praul University during 26/04/2022 to 28/04/2022.
- Prof. Sulay Patel has delivered expert lecture in GUJCOST sponsored 3 day workshop on Hybrid Electric Vehicle at Praul University during 26/04/2022 to 28/04/2022.

Student Achievements

- GTU MOTORSPORTS – Hosted by L.D. College of Engineering, SAE LDCE COLLECIATE CLUB Has participated in national level competition Formula Bharat 2022 During 20-25 January 2022, Team won, 1st winner trophy, 1st overall dynamics, 1st endurance, 1st autocross, 1st acceleration, 3rd engineering design and winner shield.



Community Engagement

- SAE LDCE club have organized farewell for students on 14/06/2022 at 2.00 pm on online mode, 10 Alumni, 6 faculty members, SAE Club members and recently pass out students have participated this.



Professional Development Workshops/ seminars/ STTP/ conferences etc. Participated by faculty

Sr. No	Title	Name of staff	Place	Duration
1	Train the Trainer Program- Automotive Systems and Autotronics	Prof. Mazar Shaikh	IACE- Gandhinagar	28/03/2022 to 01/04/2022

M.E Dissertation

Automobile Engineering Department- ME IC Engine And Automobile			
Sr.No	Name of student	Title	Name of Guide
1	Hharpot Priyakantbhai Parvatsinh	Experimental Investigation On Performance And Emission Of Neem- Mahua Hybrid Bio-Diesel For Ci Engine	Prof. V.D.Sonara
2	Dave Naitik Raxitkumar	Performance Characterization of Coated Chain Sproket Assembly	Prof. Dhruv Panchal
3	Thanki Mehul Mahesh	Optimization of CVT for electric vehicle's transmission	Prof. Sulay N Patel
4	Buch Hitarthi Yagneshkumar	Design and Geometry Optimization of cooling Plate for battery Module of Electric vehicle	Prof A.G.Momin

5	Desai Valmik Ishvarbhai	Optimization Of Dry Single Plate Clutch	Prof. (Dr.) M.D.Cahudhary
6	Desai Mayank Bhurabhai	Design and experiment of electric trike using solar technology	Prof. P.C.Sheth
7	Songar Shravan Ghisulal	Experimental investigation on belt drive of continuous variable transmission system	Prof. H.P. Patel
8	Mavchi Pratapbhai Mamubhai	Design and Analysis of Propeller Shaft and Universal joint using composite materials for LMV	Prof. V. G. Trivedi
9	Tej Dalwadi	Optimization of lower control arm of macpherson strut suspension	Prof.Jayendra Vasani
10	Jadav Kuldipbhai Bharatbhai	Computational Investigation of Hybrid battery thermal management Using phase change material with air cooling	Prof. M.M.Makwana
11	Sheth Bhavan Jayeshkumar	Experimental investigation and optimization the performance of vapour adsorption refrigeration system for vehicle air conditioning.	Prof. Praful Jotaniya
12	Solanki Deep Ashokbhai	Experimental investigation on performance and emission characteristics of diesel engine fueled with flaxseed oil.	Prof. Gaurav Sutariya
13	Chaudhary Bhavikkumar Fatesinh	Experimental investigation on performance of Bioethanol,Diesel & Biodiesel blends for Particulate Matter effect on CI engine.	Prof M.A. Shaikh
14	Panchal Chirag Girishbhai	Experimental Investigation On Performance And Emission Characteristics Of Grape Seed Oil Blend With Biodiesel Fuel	Prof. V.D Sonara
15	Tomar Punitsingh Pratapsingh	Experimental investigation on performance and emission characteristics of waste plastic oil blend with diesel.	Prof. V.D Sonara