

Automobile Engineering Department

3. FACULTY ACTIVITIES

- Prof. R.J.Jani, Prof. M.A.Shaikh, Prof. S.N.Patel and Prof. J.P.Vasani coordinated EGVC Event organized jointly by Automobile and Mechanical Department on 4-6 April 2019.



- Prof. J.P.Vasani participated with his team in final Round of HACKATHON 2019 organized at PDPU, Gandhinagar on 6-7 April 2019.



- Prof. R.J.Choube coordinated SSIP Bootcamp organized at L.D.College of Engineering from 10-14th June 2019.



- Prof. J.P.Vasani Delivered expert lecture on “Car Making” in SSIP Bootcamp organized at L.D.College of Engineering from 10-14th June 2019.



- Dr. P.D.Patel has filed patent on “System for Intelligent and Adaptive control for Micro Hydro Plant” with application No. 201911024489 in Intellectual Property India on 20/06/2019.

4. STUDENTS' ACTIVITIES

Automobile Engineering Department

- Automobile Department student, Kishan Gohel and team Participated in Final round of Hackathon Organized at PDPU, Gandhinagar on 6-7 April 2019.



- Automobile Department of L.D College of Engineering –Ahmedabad & SAE INDIA-GUJARAT DIVISION-WS had organized awareness program on the Solar/Electric three wheeler at L D college of Engineering with support of the sun pedal ride group on 10th June 2019.



- 15 Student teams of Final year presented their Project in KAIZEN 2019. Projects were judged by industrial experts and were highly appreciated. Top 3 projects of Automobile department were awarded in Kaizen 2019.



Sr No	Project Title	Students team	Faculty Guide
1	Automatic Side Stand Retrieving System And Side Signal System In Two Wheeler	Patel Kishankumar Kadiya Yash Suvera Jaimin Ajmeri Wasim Chaudhari Mihirkumar Patani Manojkumar	Prof. B. H. Kadiya
2	Reverse Mechanism For Tricycle	Vaghela Vrushabh Dayma Pravin Dhobi Utsavkumar Kanani Umang Parmar Divyang	Prof. M.A.Shaikh
3	3D Printer	Jadav Pratikbhai Patel Hirenkumar Sharma Jayeshkumar Chaudhari Nehalbhai Raval Bhavin Sojitra Darshit	Prof. R. J. Choube

5. DEPARTMENTAL ACTIVITIES

A national level event, Eco Green Vehicle challenge was jointly organized by Automobile and Mechanical Department at L.D.College of Engineering on 4-6 April 2019. 14 teams including more than 200 student participants from various Institutes all over India had participated in event.

Total prize money of more than 1.5 lakhs and trophy in various segment were awarded to wining teams.



10. M.E. DISSERTATION

Automobile Engineering Department

Sr. No.	Title of thesis	Name of student	Guide
1	Topological optimization of automobile rotor disk brake	MATARIYA VIPUL MANUBHAI	Prof. H.P. Patel
2	Performance and emission Analysis of Single Cylinder Four Stroke C.I.Engine using Waste Plastic Oil with additives	MEHTA HARSHAL ATINDRA	Prof.G.N. Sutaria
3	Performance & Emission Analysis of a Diesel engine fueled by Ethanol-Diesel Blend with Additive	PATEL AMITKUMAR MANUBHAI	Prof. Dr. V. R.Patel
4	Energy and Exergy Analysis of Compression Ignition engine using Jatropa Biodiesel Fuel	PATEL HARSH ISHWARBHAI	Prof. P. C. Sheth
5	Experimental Investigation and Design for Human and Electric Powered Parallel Hybrid Drive Line for Vehicle.	PATELIYA GHANSHYAM PREMJIBHAI	Mr. S. N. Patel
6	Thermal comfort analysis of passenger compartment using Computational Fluid Dynamics	SHAH SOMIL KETANKUMAR	Prof. H.P. Patel
7	Investigation of ignition characteristics of biodiesel and nano particles blends on engine performance and emission in single cylinder 4 stroke C.I. engine.	THAKOR AMBALAL RAMABHAI	Prof. V.D.SONARA
8	Investigation of heat transfer in water jacket of heavy duty diesel engine using CFD	THUMMAR SAGARKUMAR RAMJIBHAI	Prof. D. J. Parmar