

MINOR PROGRAMME IN AUTOMOTIVE ENGINEERING

OFFERED BY
SCHOOL OF MECHANICAL ENGINEERING

About the Program:

The main aim of the programme offered is to equip students with the knowledge necessary to design, build, test and validate a vehicle. The individual courses begin with introducing the student to different vehicles, automotive components and systems and their need and functionality. With this fundamental knowledge the student then learns the impact of these automotive components and systems on vehicle handling and behaviour in the succeeding course. In the next stage the student is exposed to the essentials of Electrical and Electronic control systems in a vehicle. Design and development of powertrain and drivetrain systems complete the system knowledge necessary to work on an entire vehicle. The programme finally culminates with the student testing and validating a given vehicle for competition.

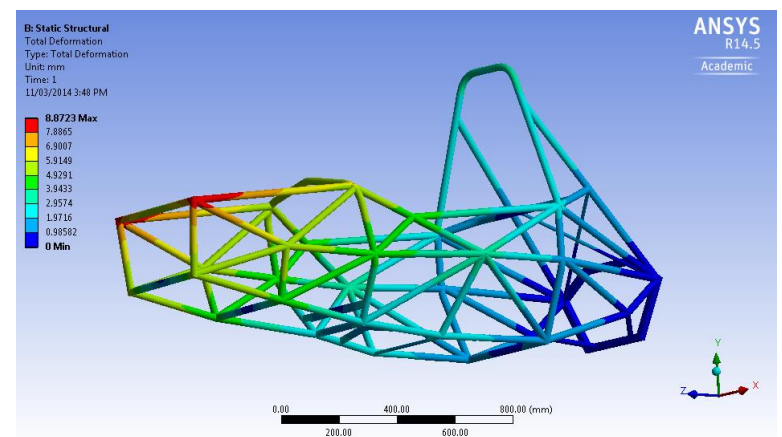


Program Outcomes:

- At the end of the program, the student should be able to:
1. Develop a vehicle framework as per required specifications
 2. Evaluate the design in terms of safety, efficiency and performance
 3. Develop component/system solutions based on functional needs
 4. Build a vehicle integrating various sub-systems
 5. Analyse vehicle behaviour against set targets
 6. Validate the vehicle through testing

Requirements for the award of program:

A Student needs to earn a minimum of 15 credits or the approved number of credits of the respective School/Department. Also these credits shall be earned before the completion of his/her BE programme to become eligible to receive the Minor Programme Certificate.



Schedule for Delivery of Courses:

	Jan-May-2020	June-July 2020	Aug-Dec 2020	Jan-May 2021	June-July 2021
Academic batch 2018-22	4 th Semester	Summer Term-I (4S)	5 Semester	6 Semester	Summer Term-II (6S)
	Vehicle Chassis Systems (2-0-1)	Vehicle Dynamics (3-0-1)	Automotive Electrical and Electronics (2-0-0)	Advanced Powertrain & Drivetrain Systems (2-0-2)	Vehicle Testing & Validation (0-0-2)

Guidelines and Important Dates:

- **Intake:** 25 seats
- **Eligibility:** Applicants must have CGPA \geq 6.75 (I & II Semester) without any backlogs
- **Who can apply:** Students of 2ND Year B.E. (Mechanical, Electronics & Communication, Electrical & Electronics and Automation & Robotics)
- **Last Date for Submitting Application:** November 27, 2019
- **Notification for Selected Students:** December 04, 2019
- **Registration Date:** December 23, 2019
- **Minor Programme Fees :**Rs.20,000/-

Contact Information:

<p>Department Coordinator Name: Aditya Deshpande Designation: Assistant Professor School/ Department/Center: Mechanical Engineering Email: aditya@kletech.ac.in Ph:0836-2378270</p>	<p>Head of the School/Department/Center Name: Dr. B. B. Kotturshettar Designation: Professor & Head School/ Department/Center: Mechanical Engineering Email: bbkshettar@kletech.ac.in Ph: 0836-2378280</p>
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KLE Technological University, BVB College Campus Vidyanagar, Hubballi-580 031

Download Application from : student.kletech.ac.in

Filled-in applications are to be submitted to the Coordinator of Minor Programmes
Dr. Anil S Badiger, Professor, School of Mechanical Engineering, KLE Tech.,