

**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637 215**  
(Autonomous)

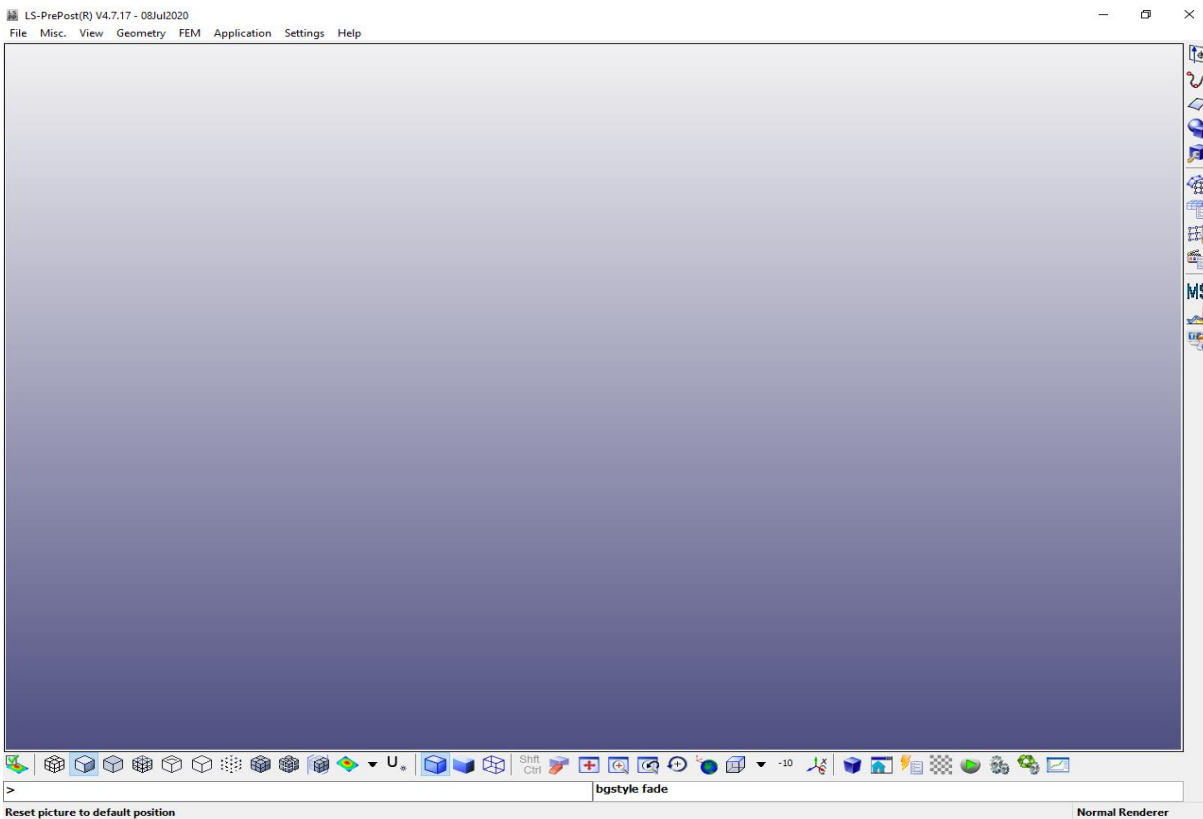
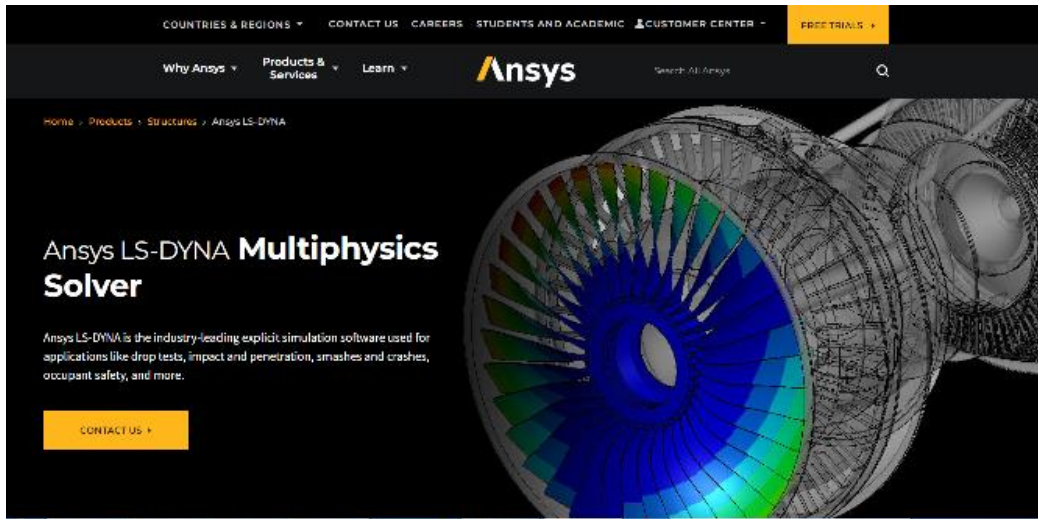
**Department Name: Automobile Engineering**

**Special Research Laboratories**

<b>S.No.</b>	<b>Name of the equipment/ Software</b>	<b>Cost of the Equipment/ Software</b>	<b>Use/ Application of the Equipment/Software for research activities</b>
1.	LS-DYNA	Rs.8,64,000	This software is used for applications like drop tests, impact and penetration, smashes and crashes, occupant safety.
2.	Computer based single cylinder four stroke diesel engine test Rig. with eddy current dynamometer.	Rs.5,76,576	To conduct test on performance and emission characteristics on single cylinder, four stroke, direct injection diesel engine with eddy current dynamometer for obtaining different load condition was used
3.	Fuel Injection Calibration Machine- Nozzle Tester	Rs.2,15,460	Used to detect and repair the engine's solidity. By preventing the failure of the fuel injection pump.

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**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**Research Facilities in the Laboratory –Virtual Concept Design Lab**



**LS-DYNA Software**

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**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**Research Facilities in the Laboratory – Vehicle Maintenance and reconditioning Lab**



**Fuel Injection Calibration Machine- Nozzle Tester**

**Faculty In charge**

**HoD/AE**



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**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**Research Facilities in the Laboratory – Engine performance and emission testing  
Lab**



**Computer based single cylinder four stroke diesel engine test Rig. with eddy current dynamometer**