

Rudolf Diesel Centre for Alternative Fuels, Engines and Emissions

As part of the initiative to take the alternative fuels research to the next higher level, an alternative fuels, engines and emissions research laboratory is established. It is equipped with Variable Compression Ratio Engine Test Rig, gas analyzer and smoke meter. The “**Variable Compression Ratio Engine Test Rig**” (VCR Engine) is primarily intended for analyzing the performance of an internal combustion engine using various biofuels. Five gas analyzer and smoke meter are used to analyse the emission characteristics of the engine. This lab is utilized for consultancy and testing services and to carry out the projects of UG / PG students and Research scholars.

Our faculty members and research scholars utilize the research laboratory to carry out the projects and outcomes of the works have been published in various International Journals and conference proceedings.



Variable Compression Ratio Engine Test Rig



AVL Exhaust Gas Analyzer