COURSE CONTENTS

- 1. Fundamentals of Internal combustion engine and perspective of Automotive Fuel Quality and Emissions
- 2. Advanced Alternative engine concepts for improvement in efficiencies
- Advance Exhaust treatment systems in vehicles (BS IV and BS VI) for reduction of emissions
- Current and new generation CNG and LPG engine/vehicle design and developments
- 5. Fundamentals of Electric and Hybrid power train and their role in reduction of on-road emissions and fuel consumption
- 6. Real world driving emissions: A review of the worldwide activity and its applicability in Indian context
- 7. New Generation engine oils for advance I C Engines
- 8. Engine performance and emission measurements on transient, steady state engine dynamometer
- 9. Indian vehicle population/roads infrastructure and its correlation with ambient air quality