



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF AUTOMOBILE ENGINEERING

COURSE NAME : 19AU0302 - RECENT TRENDS IN AUTOMOBILES

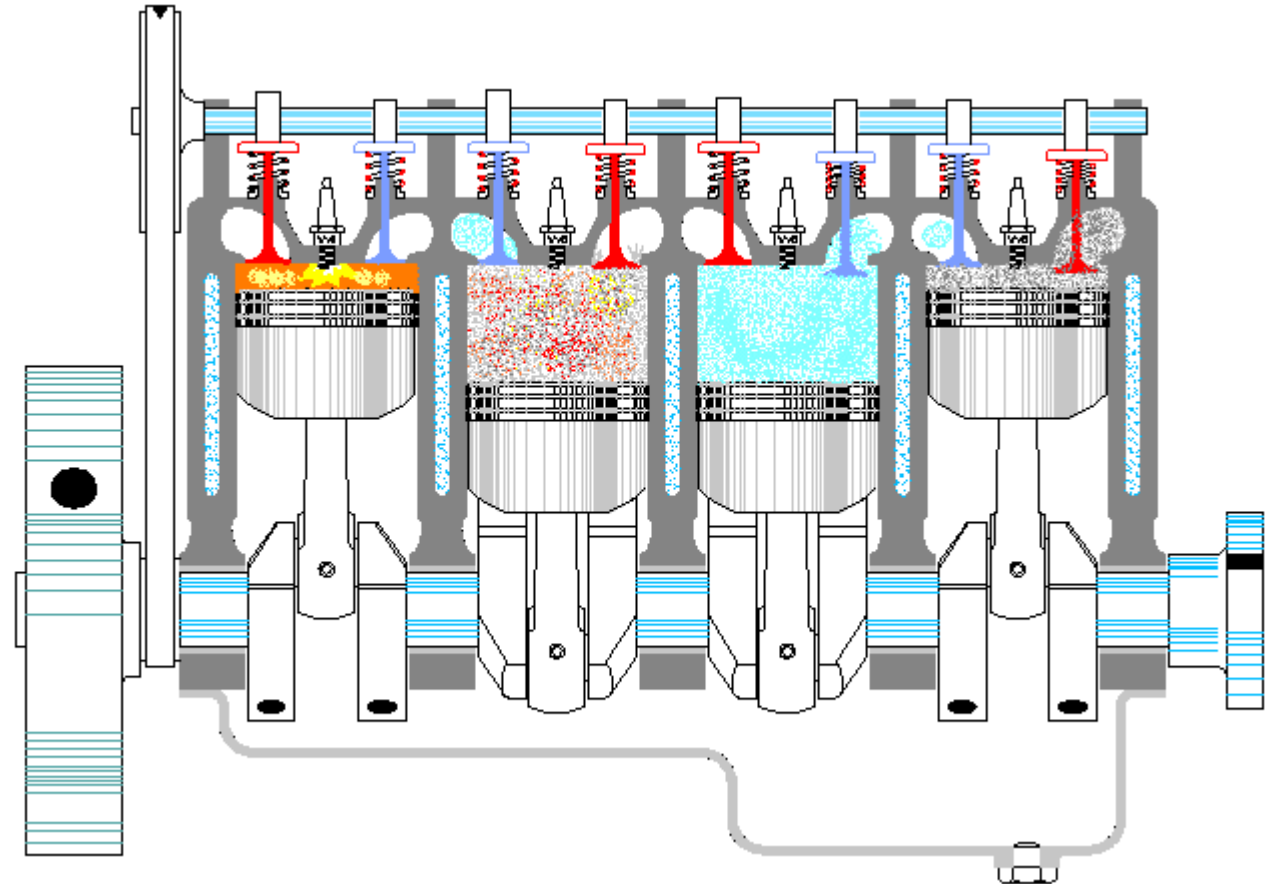
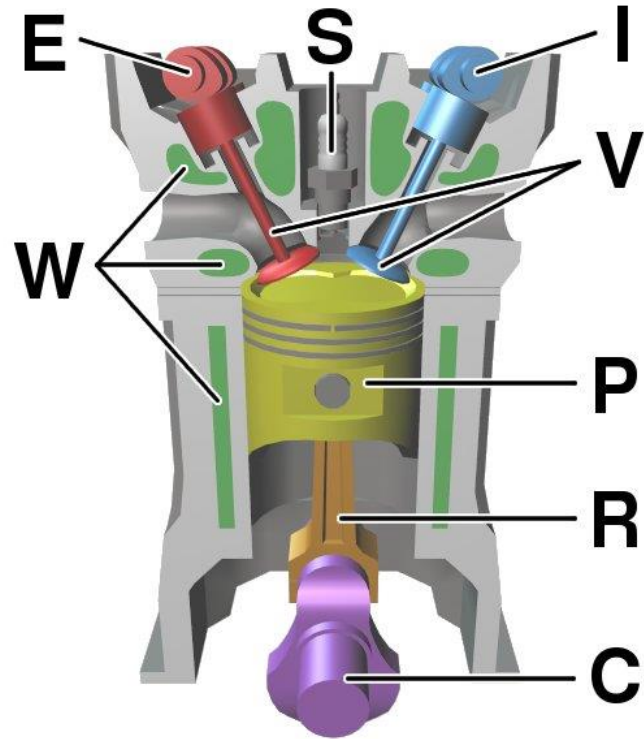
III YEAR / VI SEMESTER

Unit 5 – Adaptive Control Systems

Topic : Cylinder Cutoff Technology

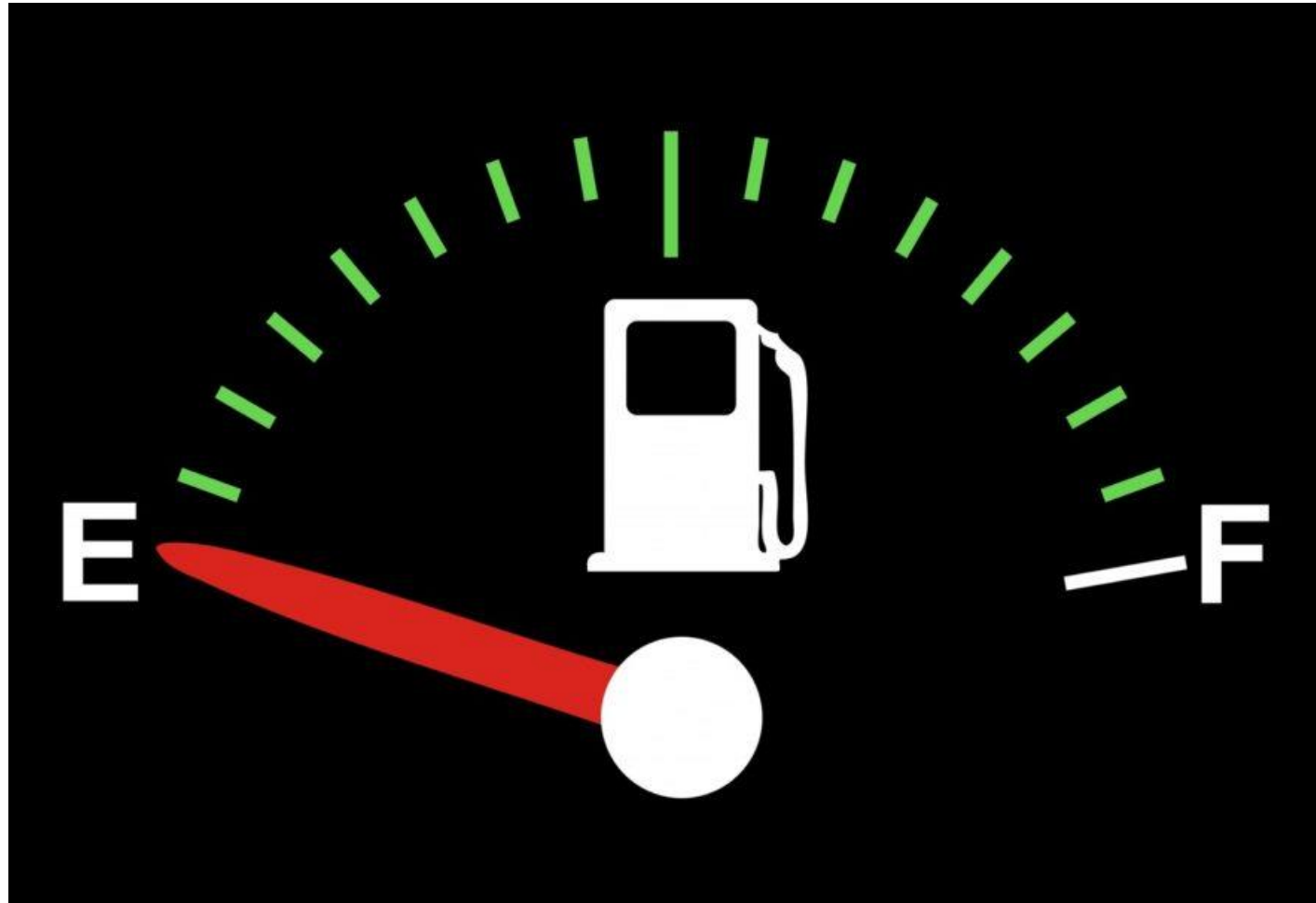


BASIC INTRODUCTION TO ENGINE





NEED FOR CYLINDER CUTOFF TECHNOLOGY

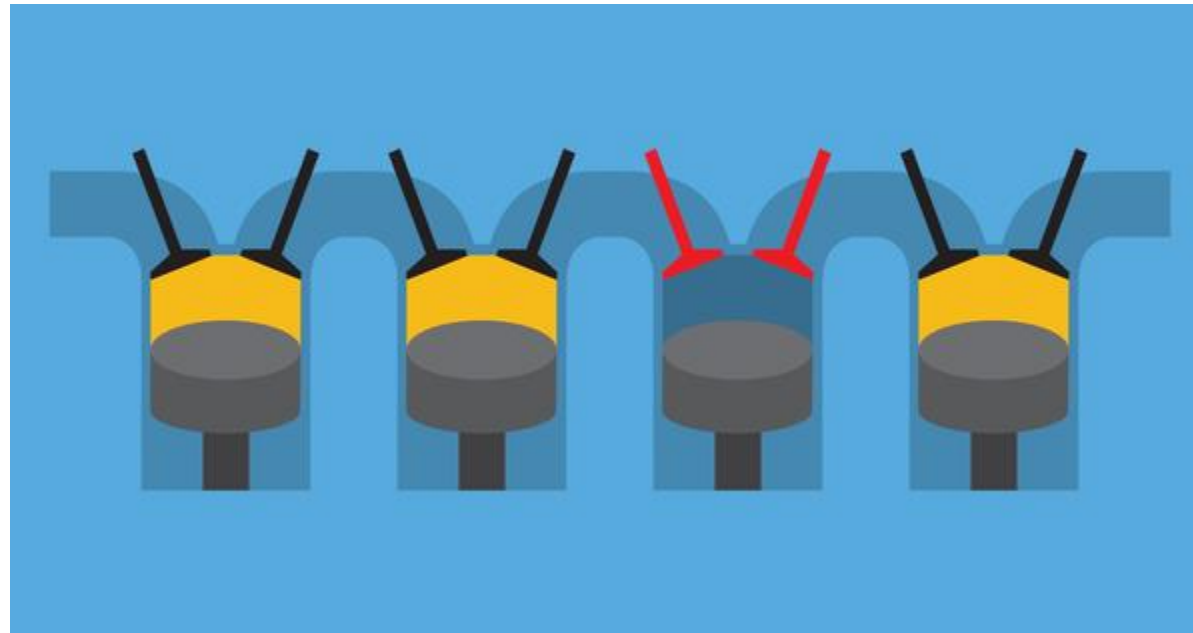




INTRODUCTION



- It is an automobile engine technology that allows the engine displacement to change, usually by deactivating cylinders, for improved fuel economy.
- The technology is primarily used in large, multi-cylinder engines





COMPONENTS



- Solenoid valve
- Sensors
- Control Unit





WORKING





ADVANTAGES



- Reduces Fuel Consumption
- Improves fuel economy
- Reduces Carbon Emission





DISADVANTAGES



- Capital cost is high
- Requires Proper Maintenance



REFERENCE



- https://en.wikipedia.org/wiki/Variable_displacement
- <https://www.youtube.com/watch?v=7ijmRV5Y2Y8>



THANK YOU !!!