

A Survey on Hybrid Electrical Vehicles

by

Er. U. Elisha, PhD Scholar

Under the esteemed guidance of

Dr. M. Chakravarthy

Supervisor

Vasavi College of Engineering

Dr. P. Srinivas

Co-Supervisor

Osmania University

Outline of Presentation

- Problem Definition
- Conventional Vehicle
- Electric Vehicle
- Hybrid Electric Vehicle
- Plug in Hybrid Electric Vehicle
- Fuel Cell Electric Vehicle
- Solar Electric Vehicle
- Conclusion

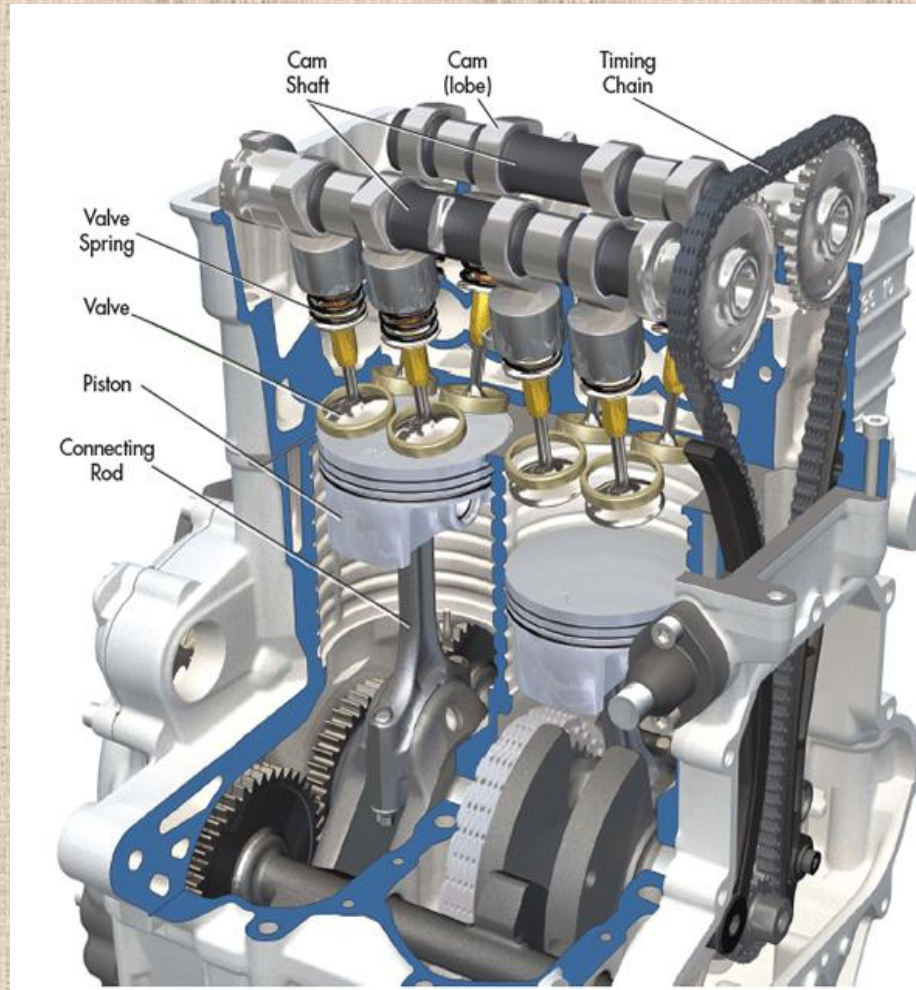
Problem Definition

- Global Warming
- India is investing 4,18,000 crores for importing fuels every year
- Fossil fuels will be depleted by 100 years
- Approximately one Crore population in Hyderabad having nearly 50 Lac Automobiles.
- 10,000 buses in Telangana running 36 Lac km's everyday
- Vehicle Pollution is 20% of total pollution

Government Initiatives

- FAME INDIA
- India's Goal: to have Emission free Vehicles by 2030
- In 2015, Prime Minister Narendra Modi inaugurated prototype EV Bus in Parliament

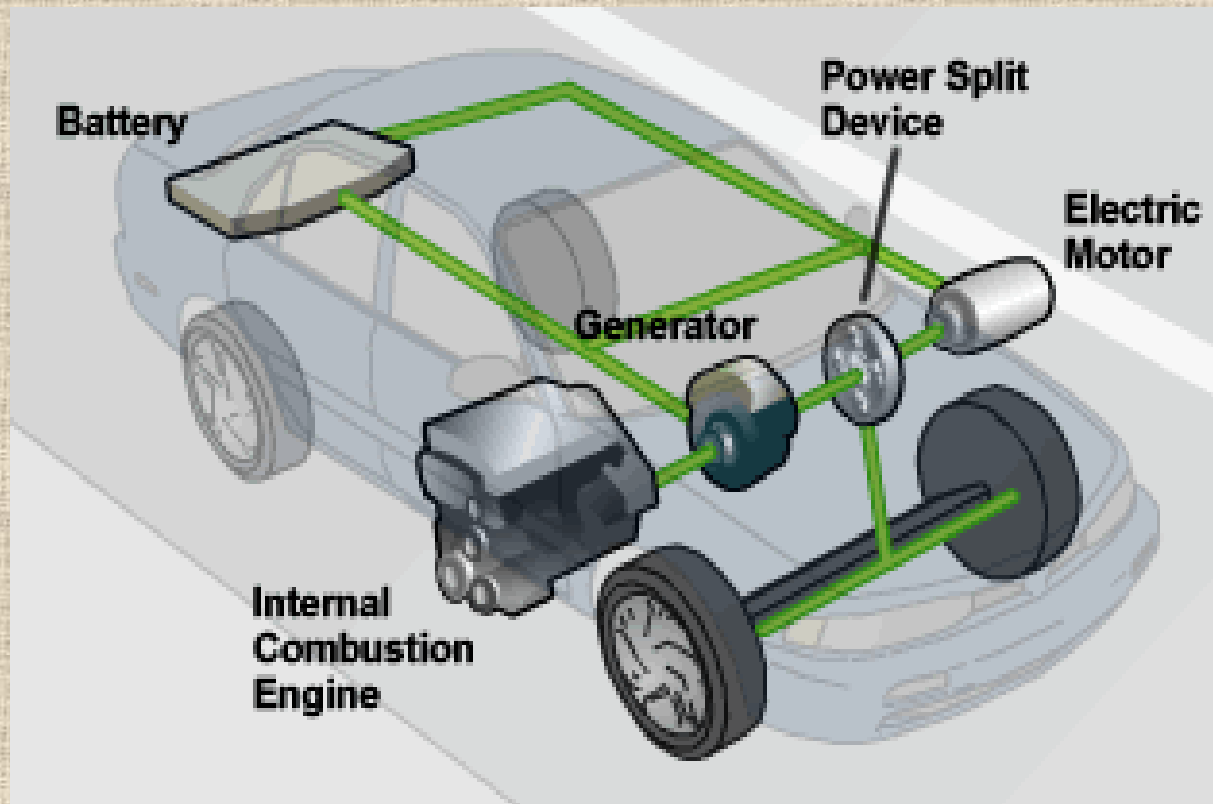
Conventional Vehicle



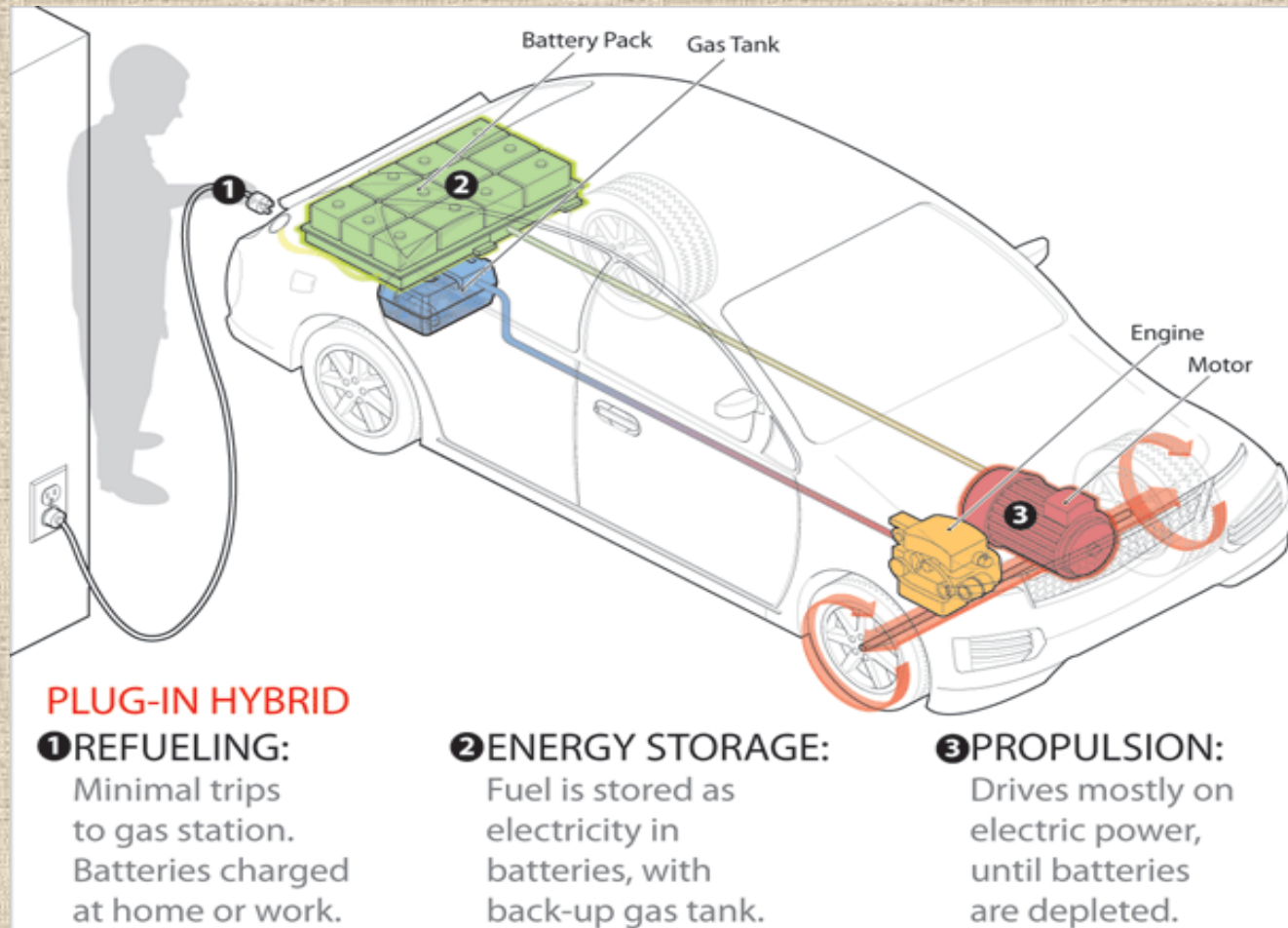
Electric Vehicle



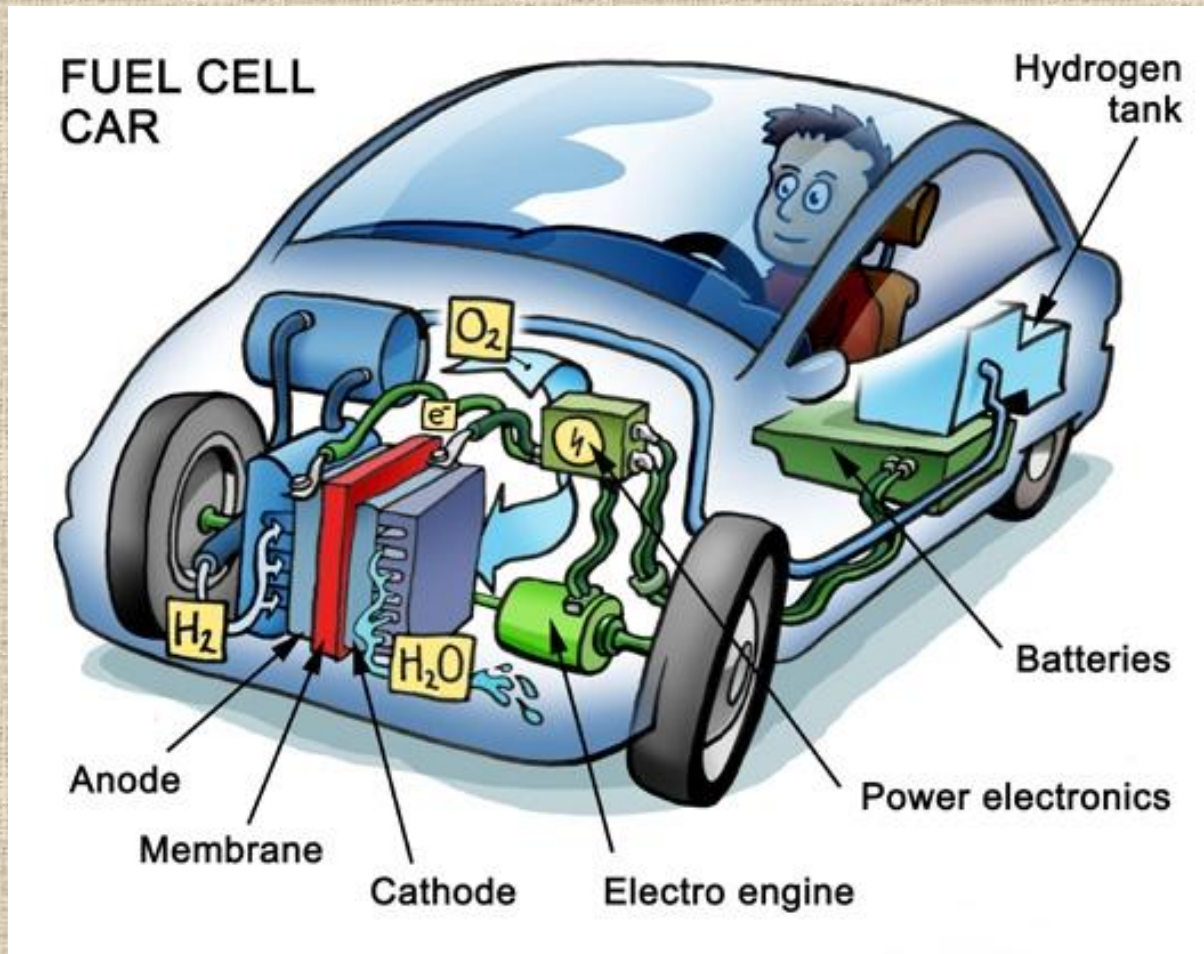
Hybrid Electric Vehicle



Plug in Hybrid Electric vehicle



Fuel Cell Electric Vehicle



Solar Electric Vehicle



Conclusion

- Hybrid Electric Vehicle can be powered by battery, fuel cell, solar and wind etc., there by reducing fossil fuels and their emissions.

Thank You