

TPCT's
College of Engineering, Osmanabad.
Department of Mechanical Engineering
Project: Electric Vehicle

Vision:

1. To support clean, quiet & healthy cities in India.
2. Energy efficient transportation.

Mission:

- To move towards pollution free India by electric car.
- Design platform to march towards independence of fossil fuel.

Introduction:

Electric vehicle are powered by electricity rather than any fuel which means that they does not produce any carbon dioxide emission. First electric car model was created by Anyos Jedik in Hungary 1828.

- Currently cars and trucks add up to 25%of the carbon dioxide emission.
- With the limited amount of petroleum gas price are always going to rise.
- There is greater awareness about the effect of carbon dioxide in today society.
- The world leaders are trying to reduce the carbon dioxide emission by half by 2030.
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Working :

- Electric cars can work by replacing a combustion engine with an electric motor.
- Battery electric vehicle (BEV).
- Electric cars function by plugging into a charge point and taking electricity from the grid.
- They store the electricity in rechargeable batteries that power an electric motor which turns the wheels.
- Electric cars accelerate faster than vehicles with traditional fuel engine so they feel lighter to drive.

Advantages of electric vehicles:

- No emission
- Use renewable sources as fuel
- Popularity
- Safe to drive
- Cost effective
- Low maintenance
- Reduces noise pollution



Electric Car designed & manufactured by Mechanical Engineering Students of College of Engineering
Osmanabad



Principal & Students with Electric Car