EMISSION OF CARBON DIOXIDE FROM VEHICLES

M.Chandana Priya
M.Shravya
G.Manasa
N.Navya Sree

INTRODUCTION

Technologies are rapidly advancing, roads are flooded with vehicles, helping us to commute and for good transportation, back of the scene, a lot of research and studies are conducted to come up with the best possible ideas and design, but the comfort and advancement come at the cost of more energy required to power the vehicle system and in turn more CO2 emissions. The government of many countries has also implemented regulation so that the companies take at most care that their automobile should have the emission well within the allowed limits.

- With the development of the world economy, the situation of CO_2 emission control is becoming increasing seriously.
- A typical passenger vechile emits about 4.6 metric tons of CO_2 per year.
- CO_2 emissions from passenger transport vary significantly depending on the transport mode.
- Efforts to monitor and limit CO_2 emission from vehicle can effectively supported by the use of vehicle modelling tools
- Various tools exist for calculating CO_2 emissions and simulating vehicle operation, offering different accuracy, and resolution levels.
- CO_2 emission can also be predicted using public open data sources.

PURPOSE

- To predict reliably vehicle CO2 emission over real-world conditions.
- Increases in atmospheric CO2 are responsible for about two-third of the total energy imbalance that is causing earth's temperature to rise.

ADVANTAGES

- High CO_2 concentration enhance sorption efficient
- To reduce green house gas emission yields important economic benefits.
- If we don't eliminate toxic carbon emission from our energy sector, we run the rick of irreversibly damaging our ecosystem.
- CO_2 is the main combusting product, which remains unmixed with N_2, thus avoiding energy intensive are separation.

DISADVANTAGES

- The amount of carbon emissions trapped in our atmosphere causes global warming, which causes climate changes.
- Severe environmental and health issues.
- Motor vehicle emission contribute to ambient level of air toxic know or suspected as human or animal carcinogens.
- Carbon emissions increase the amount of CO2 in the atmosphere.

CONCLUSION:-

There is a clear need to control the carbon dioxide emission as other pollutants.
It should be emission limit per vehicle based on the vehicle area.
It is no need to develop new vehciles.