

Model Development Phase

Date	16 july 2024
Team ID	740771
Project Title	Car Performance Prediction
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Engine Size	Manufacturer of the car	Yes	Directly impacts power and fuel efficiency.
Horsepower	Engine power output	Yes	Critical for performance analysis.

<b>Torque</b>	Rotational force of the engine	Yes	Influences acceleration and towing capacity..
<b>Fuel Type</b>	Type of fuel used (petrol, diesel, electric, etc.)	Yes	Determines fuel efficiency and emissions

<b>Weight</b>	Weight of the vehicle	Yes	Influences acceleration, handling, and fuel efficiency
<b>Mileage</b>	Total distance traveled	Yes	. Indicates wear and tear affecting performance.
<b>Emission Ratings</b>	Environmental impact rating	Yes	Relevant for regulatory compliance and eco-friendliness.