

Model Development Phase

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| Date | 16 july 2024 |
| Team ID | 739681 |
| 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. |

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

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