Project Design Phase-I
Solution Architecture

917719C079	Renish Gandhi S P
917719C051	Madhava Ramanujam S
917719C069	Pranav Elumalai M
917719C136	Santhosh

Solution Architecture:

- With difficult economic conditions, it is likely that sales of second-hand imported (reconditioned) cars and used cars will increase.
- In many developed countries, it is common to lease a car rather than buy it outright.
- After the lease period is over, the buyer has the possibility to buy the car at its residual value, i.e. its expected resale value.
- Thus, it is of commercial interest to sellers/financers to be able to predict the salvage value (residual value) of cars with accuracy.
- In order to predict the resale value of the car, we proposed an intelligent, flexible, and effective system that is based on using regression algorithms.
- Considering the main factors which would affect the resale value of a vehicle a regression model is to be built that would give the nearest resale value of the vehicle.
- We will be using various regression algorithms and algorithms with the best accuracywill be taken as a solution, then it will be integrated into the web-based application where the user is notified of the status of his product.

Example - Solution Architecture Diagram: