

# Predicting Used Car Prices using Machine Learning with Flask Integration

## Guide Name

Dr. Madhumitha K

## Panel Head

Dr. Eliazar M

## Faculty Advisor

Dr. Umadevi M

## Project Domain

Artificial Intelligence

## Student(s) Details: Name

1. Saransh Singh
2. Sambhav Jindal

## Passport size photo(s)



## Registration Number(s)

1. RA2011003010163
2. RA2011003010177

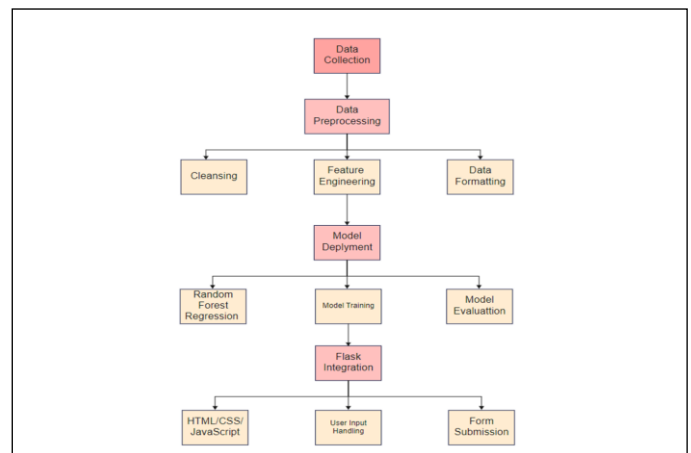
## Email ID(s)&Mobile Number(s)

1: ss7235@srmist.edu.in	2: sj8693@srmist.edu.in
1. 9472257918	2. 9826780500

## Abstract

This project represents a significant advancement in the automotive industry by leveraging machine learning techniques to accurately predict used car prices. Through the utilization of Python libraries for data analysis and Flask for web development, the system provides a user-friendly interface for both buyers and sellers to obtain precise price estimations. The integration of a Random Forest regression model ensures robust predictions by considering various car attributes such as year, present price, kilometers driven, and more. Users can utilize the information provided by the ML system to make knowledgeable choices, resulting in more efficient transactions in the used car market.

## Architecture Diagram



## Significance of the Project

The significance of this research lies in its practical implications for the automotive industry. The project promotes fair market valuations and transparency. It serves as a testament to the growing significance of data-driven approaches in revolutionizing traditional industries, ultimately benefiting consumers, sellers, and industry professionals alike.

## Conclusion

This research presents a machine learning-based approach for predicting used car prices, integrating a Random Forest regression model with Flask for web development. By offering a transparent and user-friendly tool for predicting market values, the system empowers both sellers and buyers to make informed decisions in the dynamic used car market.

## Conference/Journal Publication Details (If Any)

--