**Car Price Prediction Using Machine Learning**

Submitted in partial fulfilment of the requirements

of the degree of

**Bachelor of Engineering**

By

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Under the Guidance of

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**ALAMURI RATNAMALA INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**Affiliated to**

**UNIVERSITY OF MUMBAI**



**Department of Computer Engineering**

**Academic Year – 2023-2024**

CERTIFICATE

This mini project report entitled **“ Car Price Prediction Using Machine Learning ”**by **Mr. Adarsh Pandey, Mr. Jayesh Wagh, Mr. Sahil Gaonkar** is approved for the degree of **Bachelor of Engineering in Computer Engineering (Bachelor of Engineering)** for academic year 2023-2024.

**Examiners**

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**Prof. Priyanka Deshmane**

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**Head of the Department** **Principal**

Date:

Place:

# **DECLARATION**

We declare that this written submission represents our ideas in our own words and where other’s ideas or words have been included. We have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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**-Adarsh Pandey**

**ABSTRACT**

In this fast-moving generation, the present study proposes the newer concept of predicting the prices of certain items. With an idea and motivation to help everyone we came up with a solution to get an appropriate estimate of one’s car using Machine Learning Techniques which will save a lot of time and money. A car price prediction has been a high interest research area, as it requires noticeable effort and knowledge of the field expert. Considerable number of distinct attributes is examined for the reliable and accurate prediction. The production of cars has been steadily increasing in the past decade, with over 70 million passenger cars being produced in the year 2016. This has given rise to the used car market, which on its own has become a booming industry. The recent advent of online portals has facilitated the need for both the customer and the seller to be better informed about the trends and patterns that determine the value of a used car in the market. To build a model for predicting the price of used cars in, we applied one of the machine learning techniques i.e., Linear Regression. Using linear regression, there are multiple independent variables, but one and only one dependent variable whose actual and predicted values are compared to find precision of results. Our paper proposes a system where price is dependent variable which is predicted, and this price is derived from factors like kilometers driven, car purchase year, Car Company, car model, and the fuel type.

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