

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

"Jnana Sangama" BELAGAVI - 590 018



Mini Project Report

On

"SECOND HAND CAR PRICE PREDICTION USING ML"

A report submitted in partial fulfillment of the requirements for

MINI PROJECT (21AIMP67)

In

Artificial Intelligence & Machine Learning

Submitted by

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Approved by AICTE, New Delhi, Recognized by Government of Karnataka, Accredited by NAAC with A+ Grade
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

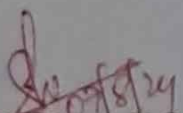
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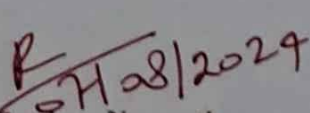
This is to certify that the Mini Project entitled "**SECOND HAND CAR PRICE PREDICTION USING ML**" has been successfully completed by

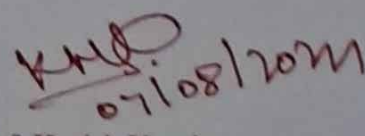
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The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


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ABSTRACT

The Second-Hand Car Price Prediction using Machine Learning project aims to revolutionize the automobile industry by providing a comprehensive solution for accurate price forecasting and streamlined sales operations. In today's fast-paced world, where data-driven decisions are paramount, this project offers an integrated platform that caters to the needs of car dealers, buyers, and market analysts alike.

By leveraging advanced machine learning algorithms, the project ensures precise price predictions, addressing the limitations of traditional pricing methods that often rely on subjective judgments and limited datasets. The platform utilizes various data points such as vehicle age, mileage, condition, brand, model, and market trends to predict prices accurately. This innovative approach enhances transparency, reliability, and efficiency in the second-hand car market, reducing inconsistencies and enabling more accurate valuations.

The project's impact extends beyond individual transactions, providing valuable insights for market analysis and strategic planning. Car dealers can optimize their inventory and pricing strategies, buyers gain confidence in making informed purchasing decisions, and analysts can better understand market dynamics. Ultimately, this project fosters a more efficient, competitive, and data-driven second-hand car market, benefiting all stakeholders involved.