

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI**



**A PROJECT REPORT ON
“ONLINE MOBILE PRICE RANGE PREDICTION
USING MACHINE LEARNING”**

Submitted in partial fulfillment for the award of Degree of

**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING**

By

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CERTIFICATE

This is to certify that the project entitled **"ONLINE MOBILE PRICE RANGE PREDICTION USING MACHINE LEARNING"** has been successfully completed by

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the bonafide student of DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Projectwork prescribed for the Bachelor of Engineering Degree.

Mrs. Deepika Kamath
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DECLARATION

We,

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hereby declare that the dissertation entitled "**ONLINE MOBILE PRICE RANGE PREDICTION USING MACHINE LEARNING**" is completed and written by us under the supervision of our guide Mrs. Deepika Kamath, Senior Assistant Professor, Department of Computer Science and Engineering, Alva's Institute of Engineering and Technology, Moodbidri, in partial fulfillment of requirements for the award of the degree **BACHELOR OF ENGINEERING** in **DEPARTMENT OF COMPUTER AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI** during the academic year 2022- 23. The dissertation report is original and it has not been submitted for any other degree in any university.

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ABSTRACT

The most frequently purchased item today is typically a mobile phone, which has become a common commodity. Every year, thousands of different mobile phone models with new features, specifications, and designs are released. Customers typically check whether they can buy the specified item at the projected price or not. So, before releasing the mobile device, estimating the pricing is crucial, as is learning about the market and competition. This study uses supervised machine learning to propose a mobile price prediction system. To anticipate "Whether the mobile with certain features will be Economical or Expensive" is the major motive of this project work. The actual dataset is gathered from online sources. Several independent variables are used in multiple linear regression, but there is only one dependent variable whose actual and predicted values are compared to determine the accuracy of results. The predictions are made using a variety of methodologies. The forecasts are then assessed and compared to identify those that deliver the best results. We want to make the predictions using more advanced algorithms in the future. The optimal feature selection technique and classifier for the given dataset are used to draw conclusions. Any form of marketing or business can use this study to identify the ideal product.