



FINAL YEAR PROJECT REPORT

KHUWAAB REAL ESTATE PRO

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

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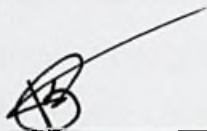
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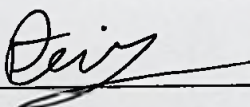
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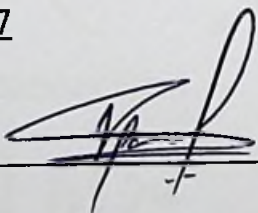
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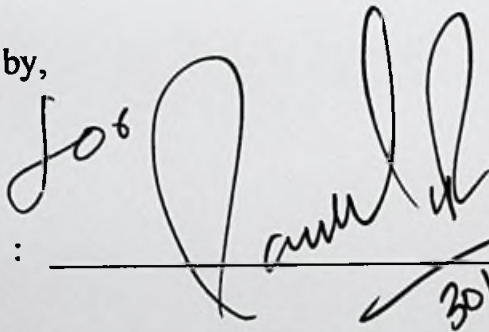
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APPROVAL FOR SUBMISSION

We certify that this project report entitled **“KHUWAAB REAL ESTATE PRO”** was prepared by **Muhammad Khurram Aimad, Syed Faris Hussain Naqvi, Isfandiyar Khurram** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Science in Computer Science at Bahria University, Karachi.

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We would also like to thank our lovely parents and friends who have given us encouragement to do the project.

KHUWAAB REAL ESTATE PRO

ABSTRACT

The “Khuwaab Real Estate Pro” mobile application is the first of its kind app that we are establishing to reshape the real estate industry in Karachi Pakistan. The app eliminates the problems of information and other problems that have caused problems in the development of the real estate business for ages. The app utilizes modern technology such as machine learning and artificial intelligence to guide the users on the tools and information that will help them make suitable choices in the real estate market.

Some of the app’s major features include a simple interface where users can look through the property that is listed as well as a real estate predictive pricing model using machine learning that will provide the recommended price for a specific property. Moreover, the app also features secure login and user profile capabilities for enhanced user privacy.

The price prediction model which is one of the class of models used in the app has been trained with a comprehensive dataset of prices of properties in Karachi in the year 2023. Our dataset was taken from Kaggle which is an authentic dataset site which makes our dataset reliable and valid. This model is deployed as an API built with flask on heroku where users are availed of property’s estimation +that helps in decision making.

Our project is currently 100% complete, with core functionalities such as user authentication, ad posting, marketplace browsing, and price prediction already implemented and working.

The project's scope is currently limited to residential properties within Karachi, but there is potential for future expansion to include other property types and geographical regions.

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