

Republic of Iraq
Ministry of Higher Education and
Scientific Research
AL-Mustaqbal University / College of Science
Department of Intelligent Medical Systems



Mobile Application for Measure Blood Pressure

A Project

Submitted to the Department of Intelligent Medical Systems, AL-Mustaqbal University/ College of Science, as part of the requirements for obtaining a Bachelor's degree in Intelligent Medical Systems.

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2026 A.M

1447 A.H

Abstract

This study addresses the design and implementation of a mobile application dedicated to blood pressure monitoring. The proposed application enables users to manually record blood pressure measurements, which are subsequently processed and systematically classified into standard categories, including high, low, and normal levels. Furthermore, the application integrates graphical visualization mechanisms to facilitate the analysis of blood pressure trends over time.

The outcomes of this research indicate that the developed application constitutes a practical and dependable tool for continuous blood pressure tracking. Moreover, it contributes to the enhancement of user health awareness by providing structured interpretation of recorded data. The study underscores the growing significance of mobile health technologies in advancing personal healthcare management and preventive health practices.