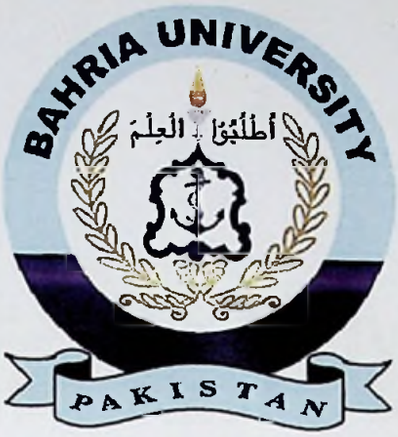

FINAL YEAR PROJECT REPORT

VISION-BASED FALL DETECTION MONITORING SYSTEM

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

By

HAFSA WAJID	**54101 BSCS**
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SUPERVISED

BY

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BAHRIA UNIVERSITY (KARACHI CAMPUS)

FALL-2022

DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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VISION-BASED FALL DETECTION MONITORING SYSTEM

ABSTRACT

For elderly people, falls are the cause of serious injuries and even death. To increase the standard of living monitoring systems are now being implemented/installed with the functionality of fall detection. Fall injuries are sensitive, if we report falling sooner the probability is higher that the patient will recover. With the help of these fall detection monitoring systems, we can decrease the manual labour & assistance the patient requires. In healthcare systems, the demand for such systems has increased with the time that is reliable and accurate at detecting. The current fall detection methods that are used are sensor-based & vision-based. This report is a brief explanation of vision-based systems and algorithms practised for fall detection applications. The vision-based detection systems are less obtrusive since the data that is being collected for detection is gathered with the help of cameras as compared to sensor-based that requires the patient to plant sensors. [1][2]

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