FINAL YEAR PROJECT REPORT

A REAL TIME EVALUATION OF SHOPS DURING LOCKDOWN IN THE CITY

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

By

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SUPERVISED

BY

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DECLARATION

We hereby declare that this project report is based on our statistical work approach aside from the citations and quotations which have been duly acknowledged. We also claim 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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ABSTRACT

The basic point of concern for us on working on such a project is basically to use the major consideration of AI methodologies that is the image processing technology for the surveillance of shops during the lockdown restrictions in an area.

The first phase of our project is the development of drone, including all its specifications and the second phase of the project is the development of a web application that give the outcome of the evidences captured through drone. The image classification and processing of image is the main backend of the whole procedure.

For the entire process to work perfectly, the concept of artificial intelligence (AI) is used in coordination to the system. This criterion helps in autonomously monitoring of shops through drone during the lockdown prescribed timings. Violation of the government rules regarding shops working hours is basically our main point of concern.

Secondly, the image processing is done upon the data stored on the Raspberry Pi. Our main concern in this aspect is to not compromise on its GUI plus functionality. The drone and the application is interconnected and is secure through the web server. In order to witness a secured experience. This is basically a systematic approach where each process is interconnected to other.

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