FINAL YEAR PROJECT REPORT

IOT BASED SMART GLASSES FOR BLIND

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

By

BISMAH RIAZ	**57201 (BSCS)**
AREESHA SHAHBAZ	**57182 (BSCS)**
HARIS BIN TARIQ	**57144 (BSCS)**

SUPERVISED

BY

BILAL MUHAMMAD IQBAL

BAHRIA UNIVERSITY (KARACHI CAMPUS)

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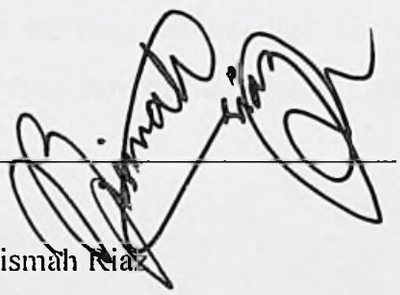
DECLARATION

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.

Signature : 

Name : Bismah Riaz

Reg No. : 57201

Signature : _____

Name : Areesha Shahbaz

Reg No. : 57182

Signature : _____

Name : Haris bin Tariq

Reg No. : 57144

Signature : _____

Date : _____

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IOT BASED SMART GLASSES FOR BLIND

ABSTRACT

Blind mobility is one of the major challenges encountered by visually impaired persons in their daily lives. Their life and activities are greatly restricted by loss of eyesight. They normally travel using blind navigation system or by their accumulated memories in their long-term exploration. The main objective of the present work is to develop a low cost, reliable, portable, user friendly, low power and robust solution for smooth navigation. This (Smart Glasses for Blind People), as meant are the glasses are for visually impaired people. It has an in-built sensor in it which spreads ultrasonic waves in the direction the person is going by scanning at most 5-6 meters. As soon as the obstacle is detected, the sensor detects it and sends it to the device which generates an automated voice in the earphone connected to the person's ear. By which it will become very easy for the person to know what is in front of him and he will be save from getting harm from any sort of danger Infront of him..

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