FINAL YEAR PROJECT REPORT

ENVISION EYE

In fulfillment of the requirement
For degree of
BEE (Electrical Engineering)

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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.

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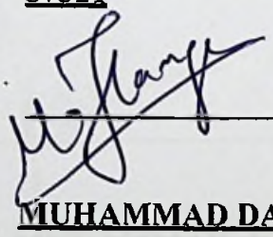
Signature : 

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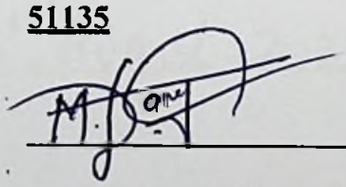
Signature : 

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ENVISION EYE

ABSTRACT

A person's ability to perform some or all duties is compromised by visual impairment, also known as low vision, which is a significant vision loss that cannot be treated with regular glasses or contact lenses. As with learning new information and skills, losing one's sight or eyesight makes it very difficult to communicate with others. The visual impaired frequently find themselves isolated from society, unable to connect with others or access the same level of knowledge as a normal person since they are often placed in special classrooms and given special treatment. This project introduces a novel Artificial Eye concept that is thought to aid the vision impaired in order to prevent them from becoming dependent. It'll will play a key role in lifetime of blind man as a supportive system for him\her. For this we used microcontroller named as Raspberry pi 4-B , Raspberry pi ribbon camera for the detection of obstacle , ear phone for voice feedback & for coding we used python programming. Now whenever visually handicapped person will hang it on neck the obstacles that we induced in programming when come in way of blind person it will be detected by camera and voice feedback are going to be send to blind person that there is xyz obstacle in front of him etc. So in this way it will make the life of blind person more easier as he will not be dependent on anyone anymore plus he could now live a good and successful life.

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