



FINAL YEAR PROJECT REPORT
BLINDNESS DETECTION

In fulfillment of the requirement
For degree of
BS (Information Technology)

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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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BLINDNESS DETECTION

ABSTRACT

Diabetic retinopathy (DR) is a serious issue found among people with diabetes which can cause severe damage to retina of eye and may lead to complete blindness. Diagnosis of diabetic retinopathy in early stages may be treated to avoid complete blindness. The objective of this project is to develop a system which will classify eye images into five stages of retinopathy by recognizing image features. The algorithm we are using in it is SVM. The main advantage of this technique is that it provides extraction and detection of features that are suitable for disease recognition in eye images. The system will be able to serve the automatic detection of blindness due to diabetes at the early stages.

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