**Title of the Project**

A dissertation submitted to Jawaharlal Nehru Technological University, Hyderabad,  
in partial fulfillment of the requirement for the award of the degree of

**Bachelor of Technology**

in

**Computer Science and Engineering**

By

Abdullah mazharuddin khaja

**(Hallticket No)**

Under the guidance of

**Suraj prakash yadav**

**Internal Guide Designation**

****

**November, 2017**

**Department of Computer Science and Engineering**

**Aurora’s Scientific, Technological and Research Academy**

**(Affiliated to Jawaharlal Nehru Technological University)**

**Bandlaguda, Hyderabad – 500 005.**

**Department of Computer Science and Engineering**

**Aurora’s Scientific, Technological and Research Academy**

**Bandlaguda, Hyderabad – 500 005.**

****

**DECLARATION BY THE CANDIDATE**

I**, Name of the Candidate,** bearing Hall Ticket No. 18D91A05B0**,** hereby declare that the project report entitled “**Project Title”,** under the guidance of **Name of the internal guide with designation,** Department of computer science & Engg, **Aurora’s Scientific, Technological and Research Academy**, **Bandlaguda** have submitted in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering.**

This is a record of bonafide work carried out by me and the results embodied in this project have not been reproduced or copied from any source. The results embodied in this project report have not been submitted to any other university or institute for the award of any other degree or diploma.

**Abdullah mazharuddin khaja**

**H.T.No.:**

**Aurora’s Scientific, Technological and**

**Research Academy**

**Bandlaguda, Hyderabad.**

##### auroraAurora’s Scientific, Technological and Research Academy

Bandlaguda, Hyderabad – 500 005.

Tel:040-2444 0840 Fax: 040-2444 3163 email: [astrad9@gmail.com](mailto:astrad9@gmail.com) URL: www. astra.edu.in

**CERTIFICATE**

This is to certify that the project report entitled **“Eye detection using machine learning”** being submitted by **Name of the Student,** bearing **H.T.No: 18d91A05B0,** in partial fulfillment of the requirements for the award of the degree of  **Bachelor of Technology in Computer Science and Engineering** is a record of bonafide work carried out by him/her.

**Supervisor Head of the Department**

**Name of the Internal Guide Dr.Pradosh Chandra Patnaik**

**Dept. of CSE. ASTRA Dept. of CSE. ASTRA**

**Date: Date:**

**Place: Place:**

**External Examiner**

**Date**

**Place:**

**ACKNOWLEDGMENT**

In own words

**ABSTRACT**

The problem of eye detection in face images is very important for a large number of applications ranging from face recognition to gaze tracking. In this presentation , we propose a new algorithm for eyes detection that uses iris geometrical information for determining in the whole image the region candidate to contain an eye, and then the symmetry for selecting the couple of eyes. The novelty of this work is that the algorithm works on complex images without constraints on the background, skin color segmentation and so on. Different experiments, carried out on images of subjects with different eyes colors, some of them wearing glasses, demonstrate the effectiveness and robustness of the proposed algorithm. Automatic tracking of eyes and gaze direction is an interesting topic in computer vision with its application in biometric, security, intelligent human-computer interfaces, and driver’s drowsiness detection system. Localization and extraction of eyes are operations requisite for solving problem.

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