



G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

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Accredited by NBA & NAAC, an ISO 9001:2015 Certified Institution
Shaikpet, Hyderabad-500104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

<GN-R-18> (2022 - 2023) II B. Tech II Sem Hobby Project

ON

"Face Detection System For Voting"

Abstract

In present there are two voting system they are secret ballot paper and electronic voting machine. Both these techniques have disadvantages so that we are adopting new technique that is face detection while voting system. Through this process we can detect the faces of people so this reduces fake voting. By this we will get to know that the person has voted or not. In this system we have use three level security the first is verification of unique id number, second is verification of voter ID card number and the third is face recognition. Through face recognition the security level of the system is increased a lot.

Face recognition is currently being used to make the world safer, smarter, and more convenient. Some of its most common use cases include finding missing persons, solving retail crime, security identification, identifying accounts on social media, school attendance systems, and recognizing drivers in cars.

Now a days we are seeing lot of members faking their vote to avoid this face detection will be very useful. The voter who is not eligible to cast the vote by fake this leads to various problems. To overcome this situation we adopt a new way that is face detection while voting. In our paper we provide three level of security. Face recognition is the most important security level where the system recognizes the faces of real voters from current database of face images given by the election commission. If the captured image is matched with respective image of the voter in the database then voter can cast their vote. So, face detection will be very useful in the voting process

H/W Requirements

1. Platform -WINDOWS 10
2. Front END -HTML, CSS, JAVASCRIPT
3. Back End - MYSQL, PYTHON, SCIKIT-LEARN

S/W Requirements

1. Name of the processor - INTEL, corei7,8th gen
2. Hard Disk Capacity - 500 GB
3. RAM Capacity - 16 GB

*Dept R&D: No

* If No: GNITS



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