

Domain: Machine Learning

Batch No: D22



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

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Shaikpet, Hyderabad-500104

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

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

On

### “Attendance System using Face Recognition”

#### Abstract

Attendance system is a Machine Learning technology. The attendance taking system we have is a manual work and time taking. Although there are biometric systems still it takes same manual work for everyone to give their attendance twice a day.

It's time to make use of intuitive technologies and refurbish this system. Face recognition attendance system blends facial recognition technology to recognize and verify a student's facial features and record attendance in a file. This advanced technology helps Institutes, Corporate world or any workplace in general to make an efficient way in recording this of attendance system.

Our final product would use a camera to recognize face from given datasets and updates the attendance if a face is recognized. The goal is to later generate and store the attendance reports in excel format. This process is much efficient than the manual attendance system.

H/W Requirements: Intel core i7 8<sup>th</sup> Gen , Arduino board , camera

S/W Requirements: PyCharm , Windows 11, Arduino IDE

\*Dept R&D: No

\* If No: GNITS




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