

*Amal Jyothi College of Engineering Kanjirapally*  
*Dept. of Computer Applications*

**SMART CLASSROOM MANAGEMENT SYSTEM**  
**WITH FACE RECOGNITION**

***MINI PROJECT ABSTRACT***

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## **MODULES:**

1. Teacher
2. Student

### **1. Teacher:**

- a) **Dashboard** – In this page, the teacher can see all the features of the system.
- b) **Login Page** – The page where the teacher enters their system credentials in order to gain access to the system's administrative side.
- c) **Manage Assignments** – This is the page where the teacher can add new assignment.
- d) **Manage Submissions** – This is the page where the teacher can view all the students who submit their assignment through online.
- e) **Add Resources** – This is the page where the teacher can add new resources or lesson for their student.
- f) **Notify Students** – This is the page where the teacher can can notify their students they submit or not.

### **2. Student:**

- a) **Dashboard** – In this page, user can view details of their courses or subject.
- b) **Register Page** – The page where new user created their login credentials for the website.
- c) **Login Page** – The page where the system administrator enters their system credentials in order to gain access to the system's administrative side.
- d) **Assignment Page** – In this page, Students can download the assignment that the teacher gives and they can upload their assignments upon the deadline of their assignments.
- e) **Notification Page** – In this page, Students can view their notification if there is a new assignment uploaded.

**f) Mark Attendance Page:** Here, the student will undergo a facial recognition so that the system will mark his/her attendance through an excel file for teacher's use.

## **System Requirements**

### **Hardware Specification**

Memory: 4GB of RAM and 80 GB of hard disk

Processor: Intel core i32GHz Intel-GeForce 410M 2.3.1.2 Software Requirements

### **Software Requirements**

Python

Django (preferably version 1.11.6)

matplotlib python package

OpenCV python library and other related libraries.

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