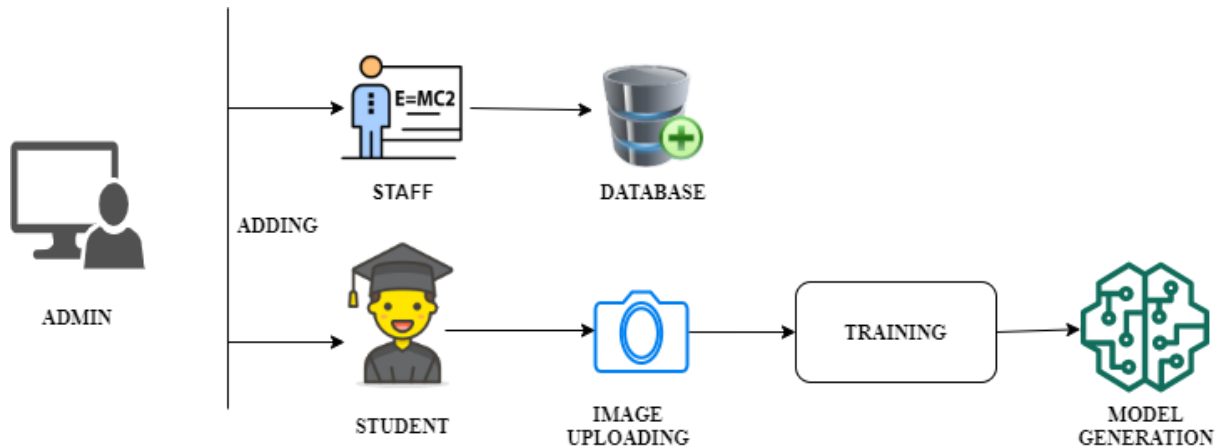# CHAPTER 4

PROJECT DESIGN

4.1 MODULE DESCRIPTION OF ADMIN PHASE

4.1 FIGURE : ADMIN PHASE

Input : Student image

Output : Model of the student

Step 1 : Addition of staff and students.

Step 2 : Storing the details of student and staff into the database.

Step 3 : Allowing students to capture the image.

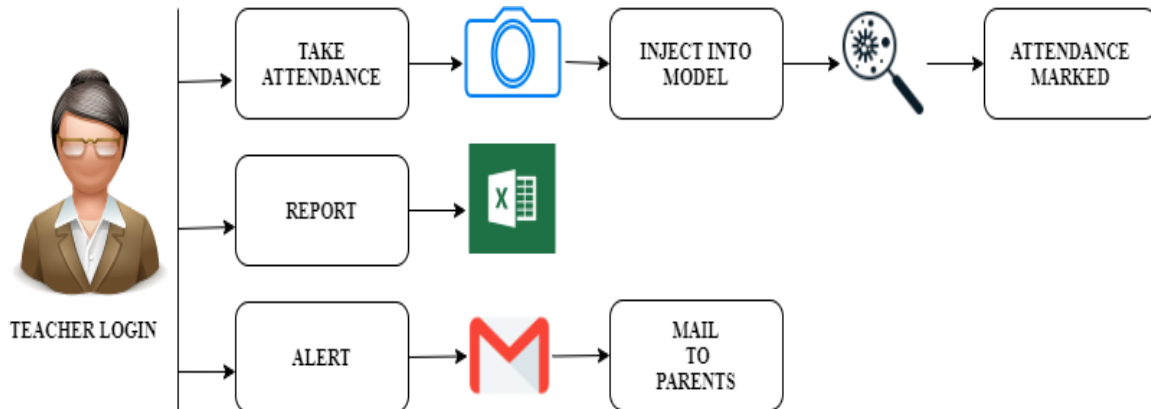**Step 4 :** Uploading the captured image of the student.

Step 5 : Using ML algorithm the training has been done for the uploaded image of a particular student.

Step 6 : Model is generated for each student.

Step 7 : Generated models are stored in separate folders.

Step 8 : Save the folder name with the ID number of the student.

4.2 MODULE DESCRIPTION OF TEACHER PHASE

4.2 FIGURE : TEACHER PHASE

Input : Student image

Output : Attendance report.

Step 1 : Teacher allows students to capture images of the student.

Step 2 : Captured image is injected into the model.

Step 3 : The image is compared with the generated model.

Step 4 : By entering the corresponding roll number and subject code the attendance will be marked.

Step 5 : If the model is not present it will prompt the staff to add the student.

Step 6 : Hence the attendance is stored in the Excel sheet.

Step 7 : In the report generation tab the staff can generate the attendance based on hours and particular week and consolidated report.

Step 8 : Staff can send mail to the student parents about the daily presence of student in the classroom.