**MODULES:**

This application has four modules which are listed in the following.

1. Student Management
2. Exam Assessment
3. Result Details
4. Graph Analysis

**MODULE DESCRIPTION:**

In this project there are four modules to achieve our expected result. These are the major functionalities of the project. The registration and login process are important to access the project for both users. There are two users’ admin (Teacher) and user (Student).

1. **Student Management**

The students are not directly registered. Faculty is uploading the bulk details of students with details of name, student id, class and so on. Students will receive manually student id from faculty manually. With the username and student id as password, student can authenticate to access the details. The details can be modified by students not by faculty at the same time student cannot modify their student id which given to them.

1. **Evaluation using Image Processing**

The Faculty will upload the students answer sheets as photos. Those photos can be evaluated with the help of Digital Image Processing technique. It can be achieved with the help of python’s opencv library. The matrix form is created with answer key to identify and give the result as per the photos.

1. **Result Analysis**

The results from the above module are handled by some math functions to put those values into calculations. Get the total marks accomplished by students and average of the student can be calculated by the auto functionalities and display to users.

1. **Graph Analysis**

The graph analysis is done by the values taken from the result analysis part and it can be analyzed by the graphical representations. Such as pie chart, pyramid chart and funnel chart here in this project.