



# Project Allocation and Status Tracking System

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## ABSTRACT

This project is a web-related application that permits us to allocate and track the status of project of students.

This project aims at providing a framework, for allocation of projects to groups based on their preferences and aggregate. This framework will operate the database and keep up a post of all understudy aggregates that have enrolled for the project, and shortlist these people who have passed the qualification criteria.

Till date there are many universities and colleges which manually allocate and trace all the projects assigned to students. This process is mainly carried out for final year students. It means that a college allocates a student group id, project details and a mentor who monitors student's progress. This entire job manually becomes very difficult. It also includes setting of milestones, submission of reports and deadlines. A mentor may have to monitor more than one group's progress. This entire job manually becomes tedious and time consuming. This project aims at making this job web-based so that it saves time and efforts both on student's side as well as on faculty's side. It also aims at increasing communication between faculty and students and making the process more efficient. Projects are allocated on preferences and aggregates. If two groups have selected the same project then their aggregate will be compared and group with higher aggregate will be allocated the project. Email will be send to students notifying whether they got the project or not.

Faculty can track progress of each group under him/her. Students can also enter the status and problems of their project if any .this status and problem will be updated on the faculty's home page. Faculty can also upload assignments and view attendance of students. .Faculty can also send personalize mails to students.

This project also tried to include some extra features like gallery of projects and groups could seek opinion from seniors. Moreover all the members could share their knowledge and work done by them by the discussion forum and give suggestions for improvement.

## 1. INTRODUCTION

Project allocation and tracking system can be used by organizations to make the entire process online. Project have five roles in this system mainly, an administrator, a professor, a student, a lab assistant and a viewer. An administrator logs into system and can register a professor who belongs to that institution. Administrator is also approving for making changes to the database. Students register in this system and get user-id and group-id. Students have to provide details like their marks and preferences about project titles. According to this information project and mentor will be assigned to them. After allocation, students are responsible for fulfilling the

milestones set by their mentors. Faculty members, after login, can view the groups under them and can track their progress by checking if deadlines are met proper attendance is met and schedule reports are submitted. Lab assistant is responsible for attendance of students. He will also be register by administrator. A viewer need not log in. He simply can view the gallery aspect of project.

## 2. Motivation

### 2.1 Existing Scenario

Till date there are many universities and colleges which manually allocate and trace all the projects assigned to students. This process is mainly carried out for final year students. It means that a college allocates a student group id, project details and a mentor who monitors student's progress. It also includes setting milestones, submission of reports and scheduling presentations. A mentor may have to monitor more than one group's progress.

### 2.2 Ideology behind our system

This entire job manually becomes tedious and time consuming. This project aims at making this job web-based so that it saves time and efforts both on student's side as well as on faculty's side. It also aims at increasing communication between faculty and students and making the process more efficient.

- Educational use:  
In many colleges, projects are allocated and tracked manually. This takes time and is tedious work. This project aims to make this process online and hence hopes to save time and efforts.
- Widely used:  
This project can be extended so that companies and organizations can use it to manage their own projects which are on much larger scale.
- Increase Efficiency:  
Another motivation is to increase efficiency of current system so that it becomes easy for students as well as for faculty to manage and use it.

## 3. Implementation

### 3.1 Student Side:

Students initially have to register by filling the following form-



The registration form is titled "Register" and contains the following fields:

- First Name: Input field with "mayat" entered.
- Last Name: Input field with "mki" entered.
- Department: Input field with "IT" entered.
- Division: Input field with "A" entered.
- User Name: Input field with "mkini" entered.
- Password: Input field with four dots (masked).
- Confirm Password: Input field with four dots (masked).

A "Register" button is located at the bottom right of the form.

Figure 1: Registration form

After registering students need to login through the following page-

The login page contains the following fields:

- Username: Input field with "mkini" entered.
- Password: Input field with four dots (masked).

A "login" button is located below the password field.

Figure 2: Login page

Now, students have to check the project list and then fill the groupid , aggregate and projectid.

The allocation page is titled "Allocation" and contains the following fields:

- Group Id: Input field with "8" entered.
- Project Id: Input field with "4" entered.
- Aggregate: Input field with "55" entered.

A "submit" button is located at the bottom center of the page.

Figure 3: Allocation page

groupid	projid	aggregate
5	3	60
7	5	80
9	4	90
1	5	50
2	3	40
10	3	95
8	4	55

Figure 4: Allocation database-

projid	projname
1	mentor book
2	Leave Management
3	Allocation And Status Manageme

Figure 5: Project list database

### 3.2 Admin Side:-

After the last date of filling the form admin has to click on allocate button. After clicking on allocate button two tables will be displayed. Students who got the project and students who did not get the project-

students who got the project

groupid	projid	aggregate
7	5	80
9	4	90
10	3	95

Figure 6: Students who got the project



students who did not get the project

groupid	projid	aggregate
5	3	60
1	5	50
2	3	40
8	4	55

Figure 7: Students who did not get the project

#### 4. Future Work

- Along with database we also intend to work with Excel Sheets.
- Along with aggregate, attendance is also going to be a deciding factor in allocating projects to groups.
- Project will also include following features-
  - Discussion forum
  - Gallery
  - Chat
  - Bar-Graphs

#### 5. Future Scope

This project is aimed at developing a web-based system which manages the activity of “Student project allocation and status tracking”. This system will manage the database and maintain a list of all student groups that have registered on this site.

Broadly it can be effectively deployed in following real world instances:

- Helpful for universities and colleges to maintain and allocate students projects.
- Can also be used in educational organizations apart from universities.
- With little modifications can be used in different companies too.

#### 6. Conclusion

The project can be implemented in every field of business whether big or small with minor or no modification to the application and database. It can be applied to almost all types of software businesses. Practically as a project it can be used in all universities with large student base or large number of project allocation or management.

The analysis phase helped to understand the project allocation and to analyze the future management and allocation requirements and also to understand the university’s methodology to allocate and manage time lines and schedules for helping the project coordinator faculty and students .The system also has a friendly interface with the project coordinator faculty and students and helps them to view the entire data they require under a single interface. After requirement analysis started the design phase .In design phase an architectural view of our system was built .This phase laid a strong base for the implementation .With the analysis and design phase completed starts implementation phase that is coding . All actions will be taken only after complete discussion with our project guide have taken place

This web application tries to reduce the manual work and documentation work that are done by a project coordinator in an institute for various year or semester ,especially for the final year students .It also provides easy communication ,to pass information ,notices and share query ,asses student skill sets etc.

Thus, this project aims to keep the application simple, secure, robust and understandable i.e. user friendly.

#### 7. References

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