International Journal of Scientific & Engineering Research, Volume 8, Issue 2, February-2017
ISSN 2229-5518



# PROJECT AUTOMATION SYSTEM

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**Abstract**-We propose a project named Automated Project Tracking System. This software system helps to manage various project management activities. It allows easy management and tracking of various projects running in the organization and also assigns people to the particular project. This project can also be modified to suit student's project management system that includes various projects assigned to students and the students working on each project. This software system allows easy project management and allows tracking project activities. An administrator has the overall control of this system that allows him to create and remove projects as per the requirement. It specifies start and completion date of projects, allocates people and also tracks project progress. It is an effective software system which help to manage project management activities in a corporate or college environment.



## 1.INTRODUCTION

Automated Project Tracker system helps to manage various college project activities. Specially designed for final year project submission and tracking. It allows easy management and tracking of various projects running in the colleges or organization and also assigns students or people to particular project. This project is specifically developed for student projects management system in colleges, that includes various projects assigned to students and the students working on each project.

This software system allows easy project management and allows tracking project activities. An administrator has the overall control of this system that allows him to create and remove projects as per the requirement. Specifies start and completion date of projects, allocate people/students and also tracks project progress. It is an effective software system which help to manage project management activities in a corporate or college environment.

Any software before going to lives has to undergo many stages during development. These stages are called life cycle of Software. The various stages are Requirement gathering, Documentation, development, testing. Documents regarding all these phases are managed by this software.

This software tracks all phases of project (Requirement gathering, development, CR, Testing). This type of approach makes project development fast and cost of projects like number of days it takes, time taken per resource, no of bugs, result of test cases and no of tickets after delivery can be obtained at any moment of time. As this is online portal so it can be accessed by admin or students from anywhere. It keeps track or record of all the project allocations, so a complete year

wise repository is maintained so there are minimal chances of project repetitions. Faculty can track progress of each project allocated to him/her. There are less changes of document missing as all the project related documents are uploaded and saved in repository.

## 2.About Existing System

In the existing system all the activities related to project assignment, submission is done manually. Checking of project allocations for last year (repetition of project) is done manually. Tracking of project status is also done manually by respective faculty. All the project related documents are source code are maintain by students, so there are high chances of document loss. Increased time taken by personnel. It is very tedious job to find a last year projects as per students choice and for the other. At the time of searching projects all the records have to be scanned and even after the person can't be sure that they will be able to allocate correct project to students.

## 3.Need For New System

After analysing the current system used for final year project submission we found that there is need for a new system which will overcome drawbacks of existing system. Each year there will be addition to project lists so it will be difficult for college faculties to keep records of all the project topics and prevent repetition of project topics. So we need a system which will automate this task for us.

Also from the student prospective, they have to maintain large number of project documents starting from project synopsis, SRS document, intermediate reports, final black book, and various versions of source code. They have to maintain all these in file system i.e. hard copy format. So there are chances of misplacing these documents.

Once the project topics is allocated and students are assigned to particular project we need a sophisticated system to get daily/ weekly project progress, status reports. Also if faculty wants to allocate some project specific task to students, then we need a system to accomplish this.

## 4.Features of New System

System has powerful logical access management in place, each user must be identified by login id and strict password policy is applied to secure the system.

Maintain details of project topics, project documents online so that it can be accessed from anywhere by students of faculties.

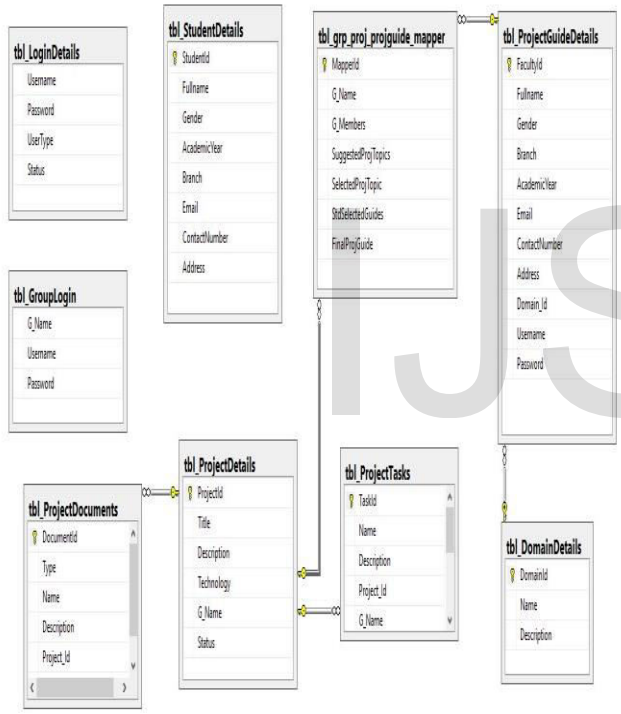
### 4.1 Additional features:

- **GUI:** The proposed system provides better graphical user interface.
- **Search:** Searching project topics, project document details become comparatively easy.
- **Increase work Speed:** Due to automation of some part of the system work speed will increase.
- **Less Paperwork:** For the proposed system less paper work is required.
- **Reduce Error:** Due to computerized there are less possibilities of error.
- **Economical**: Due to minimal errors and work delay proposed system can be economically to the college.

## 5.Figures

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| UserId | int | ☐ |
| UserName | varchar(30) | ☐ |
| Password | varchar(30) | ☐ |
| UserType | varchar(50) | ☑ |
| | | ☐ |

**Database table design**




**Database Design Diagram**

## 6.END SECTIONS

### 6.1 Additional Formatting and Style Resources

Object Oriented Analysis & Design:
http://www.asp.net
W3schools.com (ASP .net Tutorials).

### 6.2 CONCLUSION

The application is yet to be released and a lot of enhancements are already thought of which are proposed to be implemented in the final version of the web-application. The web-application has also provided feedback page on its home page so that the users can provide their inputs of any functionalities / facilities they would like to have in the web application.

The system is highly flexible one and is well efficient to make easy interactions with the client. The key foam is given on data security, as the project is online and will be transferred in network. The speed and accuracy will be maintained in a proper way.

### 5.3 Future Scope

The application is yet to be released and a lot of enhancements are already thought of which are proposed to be implemented in the final version of the web-application. The web-application has also provided feedback page on its home page so that the users can provide their inputs of any functionalities / facilities they would like to have in the web application.

The system is highly flexible one and is well efficient to make easy interactions with the client. The key foam is given on data security, as the project is online and will be transferred in network. The speed and accuracy will be maintained in a proper way.

This will be a user-friendly one and can successfully overcome strict and severe validation checks. The system will be a flexible one and changes whenever can be made easy. Using the facility and flexibility in .NET and SQL, the software can be developed in a neat and simple manner there by reducing the operator's work. Since the project is developed in .NET as a front end and SQL Server as a back-end it can be modified easily and used for a long period.

## 6.4 Acknowledgment

We wish to thank our project guide Prof.Amit Narote for guiding us through the different phases of the project.

## 6.5 References

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