



# International Journal of Research Publication and Reviews

Journal homepage: [www.ijrpr.com](http://www.ijrpr.com) ISSN 2582-7421

---

## Geeks World – AcroTask

*<sup>1</sup>Mahek Saxena, <sup>2</sup>Purvi Parashar, <sup>3</sup>Rajat Savita, <sup>4</sup>Rishabh Gupta*

<sup>1,2,3,4</sup>Computer Science and Technology, AITR, Indore, India

---

### ABSTRACT

Using manual or conventional techniques to manage and control student projects is quite laborious. The creation of an integrated framework to manage all project operations is the primary objective of this project. A mechanism for managing, following, and supervising student work is provided by this geeks world. Students, project managers, and project managers can all benefit from this web-based platform or framework. All students must first complete the registration form to get registered. After authenticating, registered students can log in using their ID and password. The system allows the students to create their own classes when they check in. The project guide must use its ID and password to log in similarly.

Additionally, the student group is given at least three project domains by this geeks world system, and the device automatically distributes the project guides to the student group. The main element of the system that gives pupils diverse assignments is the project leader. Coordination exists between the project leader and project guide. The supervisor assigns the work, and based on the various parameters, the group's progress chart is prepared. To create a progress map, we employ a job breakdown framework. Based on the progress charts, a particular group of students would automatically receive the marks.

---

### 1. INTRODUCTION

Nobody takes the initiative to check the notification boards for notices in today's world. Many students overlook certain crucial updates and news regarding their work. As a result, students are unable to monitor their project efforts. From the students' guides and coordinators, it is simple to get all the information and updates on the project. Manually managing tasks for the pupils is a very demanding endeavour. However, anyone with a basic web platform can perform tasks linked to projects, which is what the project management system's primary goal is. It provides students, the project coordinator, and the project manager with an easy-to-use web portal for managing and keeping track of project activity.

Every module of a gadget has a unique user identification and password. Then, to increase its level of authentication, each module can log into the device using its own ID and password. The student group can have at least three project areas thanks to this management system, and the system also automatically allocates the guides to the student group. The main component of the system that gives the pupils their various responsibilities is the project leader. The Project Guide and Project Leader converse with one another. The group's progress chart is prepared and the degrees for that particular group of students are automatically assigned based on the various requirements of the coordinator's work. Groups will receive email alerts about pertinent announcements and project updates.

The Geek World is a web application by which any organization can manage tasks among its employees. This project has various small parts like commenting on task, upload and download files, task forwarding, editing existing and creating new project, task, employee, user etc. It is an automation system, which is used to store the Work tasks information of a organization.

---

### 2. Purpose of The Geek World

The Geek World is an automated support tool to be used by administrative staff of various departments. Currently all work tasks requests from faculty are handled manually over the telephone. The The Geek World automates the process by streamlining the handling of the work tasks requests thereby reducing the manual intervention. There will be three different types of users that use this system – faculty, administrative staff, personnel that are assigned the work tasks. When a faculty member places a work task, administrative staff receives the work tasks. The work order will include all necessary information including the availability schedule of the faculty member. Administrative staff then assigns the work task to appropriate personnel. When the work task gets done, the personnel that finished it will update the status of the work task to complete. Both the faculty and administrative staff will have various reports available to view the pending/completed work tasks, the average processing time of the work tasks and so on. The Geek World is a web application by which any university can manage tasks among its employees. This project has various small parts like commenting on task, upload and download files, task forwarding, editing existing and creating new project, task, employee, user etc . It is an automation system, which is used to store the Work tasks information of a university.

### 3. Scope

The software project is a time-consuming, intensely labor-intensive undertaking that has a significant impact on the work and outcomes of numerous distinct teams. The timely exchange of information across involved stakeholders, including the management team, department heads, developers, developers, and customers, is crucial to the project's success. It might aid in gathering precise management information. The collection will be clear, uncomplicated, and logical in a relatively short period of time. Knowing about task management will be helpful. Additionally, it supports all ongoing tasks involving the student task management system. The management & collection process will be efficient, and the cost of collection will be decreased. Our project intends to automate business procedures, hence we have attempted to computerise numerous Student Task Management System processes. The Geek World works with the university's ability to divide up tasks among its staff. An automated tool for administrative workers in many departments is called The Geek World. At the moment, all requests for labour projects from academics are manually processed over the phone.

**The Geek World streamlines the handling of work task requests to automate the process and minimise manual intervention.**

**A tool called The Geek World controls how actions are carried out as they are integrated into an application. TMS supports both straightforward and intricate business procedures and integrates with the automation technologies required for the execution and validation of change management. The Geek World module's main objective is to offer a means of supporting repeated procedures. As a result, productivity is increased, beginner errors are decreased, and business procedures may be defined clearly.**

### 4. IMPLEMENTATION

This software system is designed to help in managing various projects for a company. It allows easy management and tracking of various projects running in the organization and the people assigned to these projects. This project can also be modified to suit student projects management system, that includes various projects assigned to students and the students working on each project. This software system allows for easy project management and tracking activities in those projects. An administrator has the overall control of this system that allows him to create and remove projects as per the requirement. Allocate start and completion dates for those projects, allocate people to work on those projects and that track the project progress. It is an effective software system to help manage these activities in a corporate or college environment. The software project is a time-consuming, extremely people-intensive effort, with a fundamental effect on many different teams' work and results. The project's success relies heavily on timely transfer of knowledge between participating parties, such as management team, department heads, developers, developers and customers. In the current situation, most software companies work concurrently on many projects, which means that an effective project management procedure is required for the allocation of resources and project planning. Web-based project coordination, monitoring and management system offers a solution for automating project management functionalities, including document management, resources management and team collaboration, which encompasses all facets of the project management process. The framework includes features including assessing real progress, team coordination, updating email reviews and short message server login management, customer portfolio management, on-line payment invoices, as well as providing management reports that contribute to successful decision-making. The Geek World is a tool that manages the workflow of tasks as they are implemented in an application. TMS provides support for simple and complex business processes as well as integration with automation tools needed for change management execution and verification. The primary goal of the The Geek World module is to provide a mechanism to support repeatable processes. The result is improved productivity, reduction in novice errors, and a clear way to define business processes. The technologies used for the project are client-server and web based. The main platform of development is JAVA SCRIPT. The full description of the language, server version is describe above. We will not explain in detail how JAVASCRIPT works and assume that the reader knows this technology and how the modules are defined. The application is based on 3-tiers architecture:

Client side: mobile application, web browser

Server side: business logic, web application (interface)

Database

The system needs different hardware and software components The main function of the software will be to provide quick and easy access for administrator and user for overseeing tasks. The system will be therefore designed to allow a user and admin to perform the following functions: Log on either as an administrator, or user, Register as an administrator or user, View both administrator and user accounts, Admin can create task, edit task information and close task, All types of user must log in by user ID and password. According to their type there will be different privilege, Administrator view allows adding tasks and editing existing tasks, Administrator can manage tasks

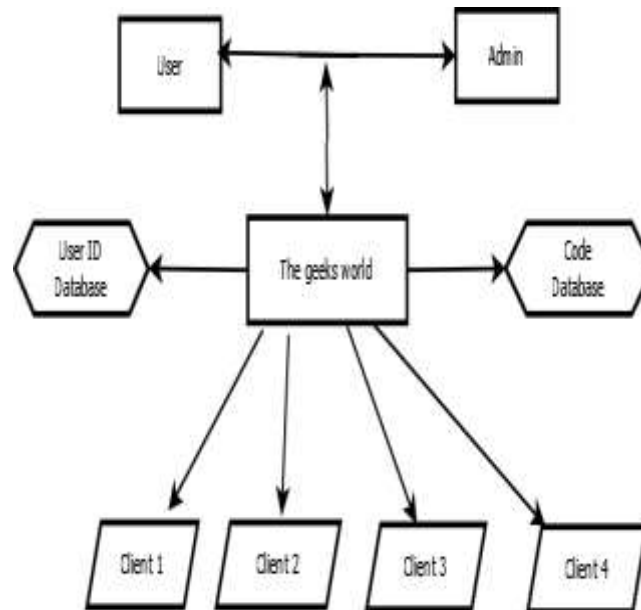
Our project has some number of tasks and employees. All tasks under a project that can only be handled by these employees. A task is assigned to only one employee at a time. Task can be forwarded to other employee of that project. An employee can comment on his task, attach file with task, forward the task to other employee of its project and also can download attachment of his task. There are two types of employee, named Admin and User. Both of the type must be an employee. An Admin user has some extra privilege including all privilege of a use.

The OS where all the following were installed is UBUNTU:

Technology: Next.js, Web Technologies: Html, JavaScript, CSS, Database: MONGO DB, Web Server: AWS, Operating System Server: - Microsoft Windows 7, Data Base Server: Microsoft SQL Server 2012 we have used this for our software and We have used MONGO DB for database.

User module admin module every module is implemented and we will be discussing the main concept and events leading to the technological advancement of Task Manager Services, previous research work on the proposed system, and the components of NODE JS.

From the result of the analysis done on the raw questionnaire data, it can be concluded that the research is viable and will yield a meaningful outcome. If this research is implemented it will go a long way to save organizations and others useful time that otherwise have been wasted on non-official duty. We are developing the one of the best Task Manager web portal which will provide efficient communication platform and working platform to make task more easier and faster.



#### 4. Benefits Of The Geek World

In n number of scenarios it is found that The Geek World does offer tons of advantages :

##### *I. Improved Wider Professional Network and Connects*

Task Manager association main objective is to help former students find job opportunities and improve their chances of landing a job offer with opportunities for expanding a graduate's professional network. Career fairs, for example, bring together employers from around the area, and sometimes further, so that graduates can meet company representatives face-to-face. Career counseling, seminars, webinars, and networking events may provide helpful information about the job market. Data is handled using these methods.

##### *II. Connect with other departments*

Connecting fellow Task Manager is one way to find career and social opportunities, but reconnecting with past professors can offer a wealth of opportunities as well. This is particularly true for research, as many professors at colleges and universities are engaged in some type of academic research. Graduates could connect with professors in their field to gain worthwhile experience or guidance with a particular research topic.

##### *III. Socializing*

Task Manager associations aren't always all business. They offer several chances to partake in social events, such as mixers, happy hours, and galas as well as homecoming events, football tailgates, Task Manager award ceremonies, and class reunions. Graduates can take a break from work and post-college life and reconnect with former classmates as well as other Task Manager, while making social connections that could lead to lasting friendships.

#### 5. Existing Systems

The existing project management system is manual. The project leader or guide manually gives the student mission. Students complete the work done by the coordinator or guide and apply manually, all work is manually done in this method, allowing more time to work in connection with the project. The project coordinator or guide needs attention when students finish the job, so it is hard for the project coordinator or guide to whom and when the student finished the assignment. In the current framework, users cannot get the right details at the right time, and users cannot easily handle project progress to achieve their principal objective.

Disadvantages:

Inability to achieve student attendance status quickly.

Modify student/staff information is a broad process which can lead to confusion and mistakes

Incompatibility and inaccuracy in data maintenance.

It is very difficult to understand system by a layman and, if a naive person is to be used by the student information system, adequate instruction must be provided on the operation of the system and the overall system becomes extremely inefficient.

- The final process takes a great deal of time.
- The right information at the right time is ....not recovered.
- The rest of the team cannot see any changes to the data by team members or the Project Leader or Guide immediately.

---

## 6. Conclusion

Our project is only a humble venture to satisfy the needs to manage their project work. Several user-friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses. This management system is a very effective program that can be used to a make our work easier. It provides multiple benefits over the conventional method. Some of these benefits are centralized information, up-to-date status monitoring, e-mail notification, convenience of use, backups etc. This application eliminates the additional time and resources needed to plan and track the projects. We assign different the guides to the student groups to ease the process. It also offers a nice interface that is easy for users to understand and helps them adapt with the use of this web service.

## 7. References

---

- [1]. Web Based Project Collaboration, Monitoring and Management System” (ICTer)-109-155/ 2014 IEEE.
- [2]. Fundamentals of project management for development organization, 2 nd edition, PDEV, Project Management for Development Organization, pp. 13-20.
- [3]. Software project management: from concept to deployment / Kieron Conway. Scottsdale (Ariz.) : Coriolis, c2001
- [4]. Software project management / Bob Hughes and Mike Cotterell, London [etc.]: McGraw-Hill, c2002, 3rd Ed.
- [5]. Information systems project management: methods, tools and techniques / John McManus and Trevor Wood- Harper, Harlow [etc.] : Prentice Hall, c2003
- [6]. Subversion version control: using the Subversion version control system in development projects / William Nagel, Upper Saddle River (N.J.): Prentice Hall/PTR, c2005
- [7]. Systems Analysis and Design Shelly Cashman Adamski Boston 1991
- [8]. Software Engineering Roger S.Pressman UK, c2000, 5th Ed.
- [9]. Samakova J, Koltnerova K, & Rybansky R, (2012). Project Communication in Functions, Process and Project-Oriented Industrial Companies,20(Special Number):120-125.
- [10]. Aladwani, A.M. (2002). IT project uncertainty planning and success: An empirical investigation from Kuwait. Information Technology & People, 15(3), 210-22
- [11]. Software project management / Bob Hughes and Mike Cotterell, London [etc.]: McGraw-Hill, c2002, 3rd Ed.
- [12]. Systems Analysis and Design Shelly Cashman Adamski Boston 1991
- [13]. Laufer, A. (2012). Mastering the leadership role in project management: Practices that deliver remarkable results. FT Press.
- [14]. Project management phases: Exploring phase #4 — monitoring & control. PM project-management.com.