

# EMPLOYEE TASK TRACKING SYSTEM

Ranjini.R , Prof.Sravanthi kala

*PG Student, Professor, Department of Computer Application  
A. M. C. Engineering College®, Bengaluru, India*

## ABSTRACT

*The paper discusses The Employee Task Tracking System is a web-based technology that, after the completion of the necessary authentication processes, makes it possible for administrators to add new employees to the system. Using the system, administrators have the ability to not only add departments but also outsource work to other members of the team. The database needs to be able to hold all of the personal information that is associated with the employees. Users of this online application have the opportunity to successfully control, record, and keep track of their chores thanks to the application's capabilities.*

*With the use of a programme known as Employee Task Tracking, businesses are afforded the opportunity to successfully manage and exercise control over every facet of their operations. The information pertaining to employees who are employed by an organization can be saved in the software system, and the software system can also assign responsibilities to the employees. It is necessary to have an administrator who is able to input data concerning personnel, departments, and the responsibilities associated with their jobs in order for the system to operate well.*

---

## INTRODUCTION:

The Employee task tracking system is a secure platform that stores and manages all work-related and important personal information of employees. This system streamlines administrative tasks and facilitates efficient management for various companies and offices. It enables the maintenance of employee records, project allocation, profile editing and management, project evaluation, and more. The system provides a user-friendly interface with sections such as homepage, about us, contact us, and login. Users can be visitors browsing the page or employees of a company. To log in as an employee, users must fill out the login form. Successful login is only possible if the employee has been registered by the admin. This project offers a convenient way for employees and company admins to interact with each other. It assists companies in maintaining systematic records and managing various activities of their employees while providing employees with an easy way to submit projects, monitor project statuses, access profiles. This system promotes effective communication and collaboration between employees and management.

## LITERATURE SURVEY:

### 1. Implementing the Firefly Algorithm in Order to Accomplish Maximum Optimisation of the Employee Scheduling System (Case Study: MJ Store)

AUTHORS: Risna Sari; Retno Widiyanti YEAR:2020 Employee scheduling is a challenging process because precise allocation of resources is necessary. These resources include time, the distribution of duties, the employee's skills, a day off, and the cost of the activity. In addition, the scheduling of employees is a task that must be completed. The firefly algorithm is used so that the workers' work schedules may be automatically structured in a manner that is compliant with the requirements. Because of this strategy, the programme has the ability to build a list that satisfies the requirements that are now in effect. The proposed approach was developed in such a way that it would give lists of employee shifts by making use of three unique phases of the process. An employee's information and work description are input during the first stage and holiday schedules for employees are established during the last step. After that, the system will process it, and in a relatively short length of time, it will produce the essential timeline. According to the data about performance, a timetable may be generated in ninety seconds with a success rate of ninety-six point five percent by utilizing twenty fireflies and forty times iteration.

## 2. The commitment of the firm to the people who work for it

AUTHORS: E.L. Berman

YEAR:2020

What are the obligations of a supervisor when it comes to helping a new employee feel more at ease so that they can do their job effectively? How can a manager approach inexperienced individuals who have a great lot of potential, high expectations, and a strong drive to achieve, but who are still in the learning phase of their careers? In order to ease a new worker's transition into the company and the department, how can a supervisor demonstrate compassion and empathy towards the employee and help them feel more integrated? A new worker is expected to educate herself not only on the specifics of her position but also on the values and norms of the company for which she would be working. To phrase it another way, in addition to the regulations that are explicitly written, what are some of the unspoken norms that govern the company? What kinds of expectations does the culture have of a new employee in terms of the provision of fresh viewpoints and the expression of opinions? This article addresses the aforementioned subjects in further detail.

## SYSTEM ANALYSIS

### Existing system and proposed system:

**EXISTING SYSTEM:** People have to waste a lot of time and effort commuting between different platforms, and the purpose of this project is to cut down on that amount of wasted time and effort. When it comes to the upkeep of employee data, the project will, in a nutshell, be beneficial to a wide variety of companies and industries. It helps eliminate processes that previously required human intervention. It results in huge savings both in terms of money and time. In addition to this, it is trustworthy in terms of the safety and protection it offers. When viewed in this light, the task of administration becomes not only less difficult but also more productive. The employees feel more confident in their work as a result of this project, which also adds to the development of pleasant ties between the employees and their employer. As a last point to make, as a consequence of this transformation, the job of the employer will become less repetitive and onerous.

### PROPOSEDSYSTEM:

This project is being carried out with the programming language Python and the database format Sqlite. In addition, it is made up of two modules, which are referred to respectively as Admin and Employees.

- It makes it simpler for the administrator of the business to handle and manage the duties that have been assigned to employees as well as employees themselves.
- Figure out how to do tasks in a shorter amount of time.
- Reduce error scope.
- Automation serves as the primary means by which the entire system is administered and managed.
- Centralized database administration.
- Controls that are easy to understand and not complicated for the person using the device.
- There is no requirement to fill out any paperwork.

### IMPLEMENTATION MODULES:

In this project there are two modules i.e.

1. Admin

2. Employees Admin:

1. Dashboard: In this section, the admin can examine the total number of departments and employees, as well as the total number of tasks that are currently being worked on and the total number of tasks that have been completed. In addition, the admin can check the total number of tasks that have been completed.
2. Department: In this section, the admin has the power to manage details of the department by adding to, updating, or deleting existing information.
3. Employees: Within this section, the administrator has the option to add, amend, and delete employees as needed.

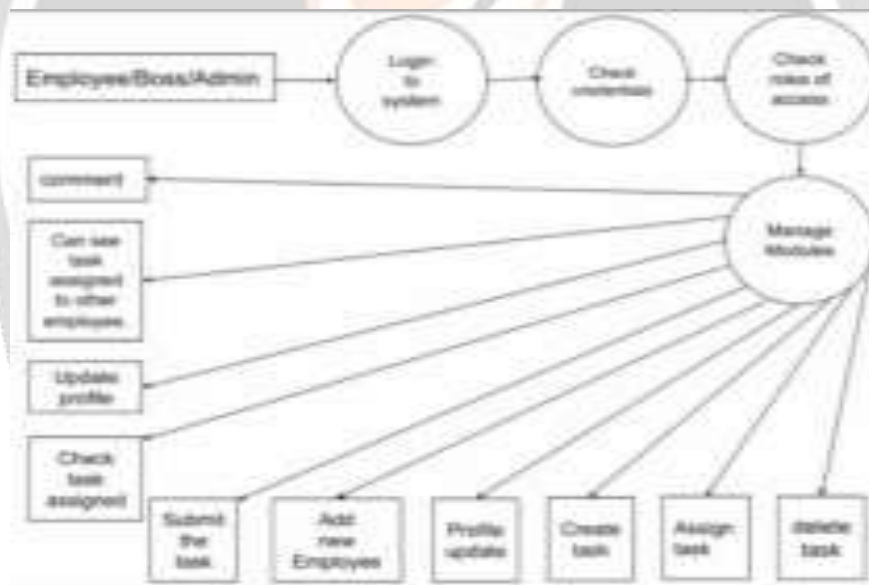
4. Task: The administrator is able to exercise control over the tasks that are contained within this section (Add/Update/Delete).
5. Task Status: The administrator has the ability to investigate the present standing of any tasks that he or she has delegated in this part of the interface.
6. Pages: In this section, the administrator has the ability to make modifications to the about us and contact us pages.
7. Search: The admin can search for employees in this section of the dashboard by using the employee id as the search criteria.
8. Reports: In this area, administrators have the ability to see how many new employees have joined the organization within a particular time period specified by the administrator. In addition to this, Admin is able to restore lost passwords, modify existing passwords, and update their profiles.

Employees:

1. Dashboard: In this part, employees are able to view new tasks, the total number of tasks that are presently in process, and the total number of tasks that have been completed.
2. Task: In the area titled &quot;Task,&quot; employees are able to view new tasks that have been assigned to them as well as change the status of the assignment.

In addition, workers are able to reset their passwords, retrieve previously lost passwords, and update their profiles.

**SYSTEM ARCHITECTURE:**



We need to make a system in which mentors can assign tasks to the employee and other mentors can monitor the availability of employees and on that basis, they can assign him/her new tasks. As well as employees can see all the assigned tasks with priorities. The app should be able to: Store data on new Employees/Trainees and new Task Assignments Employees can see the availability of other employees, trainees, and interns but trainees will not be able to see other availability. Employees can assign tasks with details like task name, task description, assigner, priority, and expected hours for completion to other employees or trainees ToDo lists considering the maximum limit of a total of eight hours for an employee before assigning any task.

## CONCLUSION

Research and investigation were conducted in depth for the project that was given the name Employee Task Tracking System in order to design the code and put it into action. It was carried out according to the instructions provided by the experienced project guide who was in charge of supervising the process. Throughout the duration of the project, each and every one of the pre-existing requirements as well as opportunities were given serious thought. The Employee Task Tracking System is a web-based programme that stores, preserves, and protects information that is crucial to employees. This information may be related to the employee's personal life as well as their professional life.

## REFERENCES :

Two scoops of Django for 1.11 by **Daniel Greenfeld's and Audrey Greenfield** Lightweight Django by **Elman and Mark Lavin**

- [1] Albert Mayan J., M. Y. Khan, Md. Sabeelur Rahman K and S. P. Avinaash Ram, "GPS enabled employee registration and attendance tracking system," 2015 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2015, pp. 62- 65, doi: 10.1109/ICCICCT.2015.7475250.
- [2] P. Yuganthini, A. Vigneswari, S. Jancy, Mercypaulselvan, M. D. AntoPraveena and Vijiamuthamary, "Activity Tracking of Employees in Industries using Computer Vision," 2021 5th International Conference on Trends in Electronics and Informatics (ICOEI),2021,pp.1321-1329,doi:10.1109/ICOEI51242.2021.9452813
- [3] A. Chella, H. Dindo and I. Infantino, "A System for Simultaneous People Tracking and Posture Recognition in the context of Human-Computer Interaction," EUROCON 2005 – The International Conference on "Computer as a Tool", 2005, pp. 991-994, doi: 10.1109/ EURCON. 2005.1630114