

# Employee Productivity Tracker

Pooja Shetty D<sup>1</sup> Prof. Mridula Shukla<sup>2</sup>  
1 MCA Final Year, 2 Asst. Professor

1,2 Department of MCA, The Oxford College of Engineering  
Bommanhalli, Hosur Road, Bangalore – 560068

**Abstract:** - Employee productivity tracker is used to track the productivity of the employee. It consists of dashboard, project management, user management, time tracking, productivity, report generation. Dashboard is present for both admin as well as employee where they can view the information about productive hours of employees. Admin can view number of employees, number of projects, number of active users, number of productivity hours of the employees in previous week. It displays the statistics of work done by all the employees and dashboard also contains list of employees and work done by them in previous week and productivity hours. Employee dashboard contains number of projects and number of activities on which they have worked, total productivity hours in previous week, number of force stops per day. It also contains graph on which it will display work done by employee in previous week and list of activities and hours of working. Admin can add project details. Using this project list employees can create activity and can engage in any of the activity. Admin can add employees as well as edit or delete the employee details. Employee productivity tracker will track the number of hours the user has worked on particular project in the week. It can track the productivity of individual user as well as total productive hours of all users. It will help manager to evaluate performance of the employees in the weekly basis and to decide whom to retain and not. Admin can also generate report on the work done by the employee on the particular project depending on the total hours of working as well as on which activity the employee has worked and can also generate report on the all the projects together. Admin can view the details of active users. Employee can engage on any of the activity in the project. If the employee does not disengage for more than four hours, it will be disengaged automatically or force stopped and total number of force stops per day is displayed in employee dashboard which will act as remainder for employees to disengage every four hours.

**Keywords:** - Productivity, Project, Employee, Time tracking, reports generation.

## 1. INTRODUCTION

Employee Productivity Tracker is an application that is used to track the productivity of the employee. Productivity of employee can be view by both admin as well as employee. This will help the admin to track the productivity of the employee to decide whom to resume in job and whom to take from the job. It also helps the admin decide who the best employee is and who is not. These will help to monitor their own productivity which will help them to increase their productivity and to be more efficient. Employee Productivity Tracker is used to track the productivity of the employee. It is used for dashboard management, user management, time

tracking, project management, track productivity of the user. Manager will login as admin and can view the productivity of the user.

When admin login into the application it will be redirected to dashboard. Admin can view the total number of employees who are under him/her. Admin can view the number of projects which is generated by him/her. Admin can view the total number of active users, users who are engaged in any of the activity. Admin can view the productivity of all the users in the previous week. Admin can view the productivity of the particular user and list the productivity of the user in previous week. Dashboard will contain the graph of the total work done by the user. It will contain total work done on particular project.

Admin will add the details of the employee. Admin can view the list of the employees and can edit or delete any employee details. Admin will add the projects in which user can work. Admin can view the list of projects and project details can be modified and if required the project details can be deleted. Admin can import data from the database and can view the data. Admin can view the details of the active users. We can view the number of users who are engaged in any of the activity. Admin can generate report about the work done by the employee. Using this report admin can check the total work done by particular user.

Admin can generate report for all projects or can select any particular project. Report is generated depending on the date. Report will be generated by entering from and to date. Report will be generated based on these dates. Report will display the users who are worked in particular project and number of hours they have worked on the project.

Employee has to register before logs into the system. Employee can also login into system directly without registering into the system if the admin adds the employee details. When employee logs in, employee will be redirected into dashboard. In dashboard, employee can view the total productivity hours of themselves in previous week. Dashboard will display the total number of project in which employee has worked and total number of activities on which user has worked. It will display the total number of force stops on that particular day by that user. It will contain the graph of particular employee on which user has worked. It will contain the list about the project and activity on which user has worked.

Employee can create any activity by entering the add activity. These activities can be created to the project added by their manager. Employee can view the activities created by them.

Employee can delete any activity. Employee can engage in any of the activities created by them.

## REQUIREMENTS

### a) Hardware requirements

Processor : Pentium 4<sup>th</sup> Gen.  
Hard disk : 39.9 Gigabytes  
RAM : 512 Megabytes  
Storage : 20 Gigabytes  
User interface : keyboard and mouse

### b) Software requirements

Operating system : Windows XP or above  
Development IDE : NetBeans IDE 8.0  
Front End : PHP, HTML5, CSS3,  
JavaScript, Bootstrap  
Back End : MySql  
Server : XAMPP  
Browser : Mozilla Firefox  
Framework : MVC framework

## IMPLEMENTATION

### a) Project management:

Manager can add projects, they can edit, update or delete project details. Employees can work on those projects by creating activities and they can engage on any activity. User can engage in only a single activity at a time. Manager can view the status of the project and can update the details.

### b) User management:

User can register themselves or manager can add the employees. Manager can edit, update or delete the user details. Admin can view the details of active users and the activity on which they are working. Admin can view the work done by each employee in previous week.

### c) Time tracking:

Admin can track the productive hours of the employee and track the time taken by the employee to complete particular activity or project. If user engages in any of the activity, they have to disengage every four hours. If user forgets to disengage, the activity will be automatically disengaged. The number of times force stop occurred or automatic disengaging is done will be tracked.

### d) Report generation:

Admin can generate report on particular project, which have the details of the number of the employees working on particular project. It contains

the details on starting and finishing time of particular activity. Admin can select any particular project for report generation or can generate report of all projects.

### e) Dashboard:

Dashboard is present in both admin as well as for employees. Admin dashboard contains number of active users, number of projects, total number of employees, productivity hours of all employees, graph of the work done in previous week and list of details. Employee dashboard consists of total productivity hours of that employee in last week, number of projects, number of activities, number of force stops. It has graph of work done by that employee in previous week and information about productivity hours.

## RESULTS

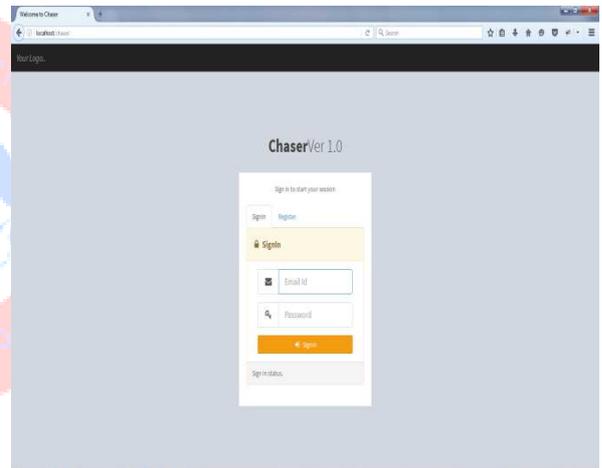


Fig.1 Here user will login to the application. User can login as admin or employee.

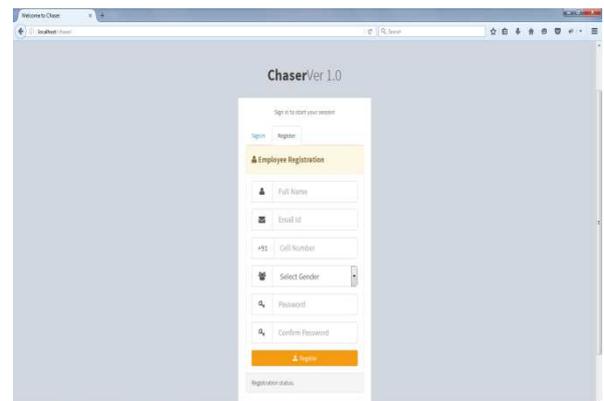


Fig.2 New employee can register into the system.

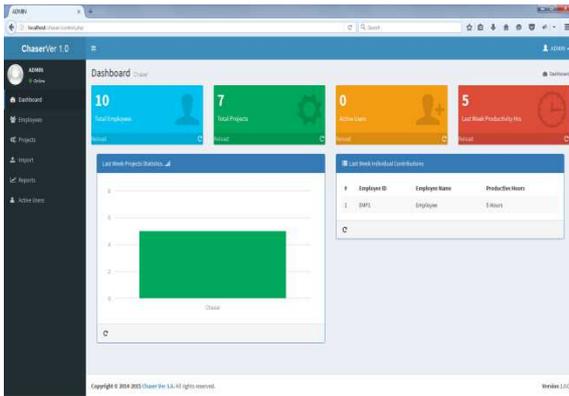


Fig.3 If user login as admin, user will be redirected to this dashboard.

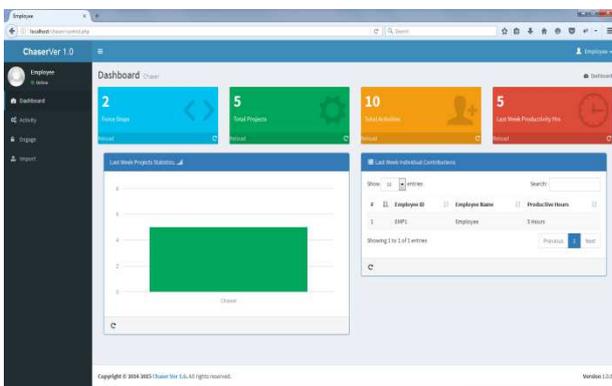


Fig.4 If the user login as employee then user will be redirected to this page.

## CONCLUSION

Employee Productivity Tracker will track the total productivity of the employees. It is very efficient system. In existing system, employee will prepare logs about the how much time they have worked and on which project the particular employee have worked. Employees have to send the logs to manager about their work on that day. These logs will be generated by entering the data manually, due to these human errors may occur. There is no tool to validate the correctness of the log given by the employee. In Employee Productivity Tracker, everything is done by the system. There is no need of preparing the logs by the employee manually. Application will keep track of number of hours the employee is working on particular activity in a project. This system is very accurate. There are no chances of human errors because log is generated by system itself. Only reporting manager or admin can access the user logs. This makes the system more secure. It contains force stop feature which will disengage the activity automatically.

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