Employee Task Management System with High Authentication

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Abstract - *This system is designed to provide the facility to set up all the tasks of employee. It stores employee records within the organization to assign correct task to correct person and right salary to the employees. In this project, we propose our Implicit Password Authentication System (IPAS) by which more security is provided to the employee while login. It keeps a track of the employee's attendance and on that basis, it generates the monthly salary. It also helps to generate pay slip. Admin assigns tasks to the employee and also sends a notification to employee mail about that task. This improves the identification of the task which the employee received. This system makes easier to the employee for managing tasks as it is not time consuming. The main aim behind developing this project is to maintain accuracy and confidentiality.*

*Key Words***:   *Accuracy, Authentication, Confidentiality, IPAS.*

1.INTRODUCTION

Employees are the backbone of any organization therefore their management plays a major role in deciding the success of an organization. Human Resource Management Software makes it easy for the employer to keep track of all records.The over-whelming emergence of computers paved way to better access of information that leads to increased efficiency and reliability. The effective management of these records ensures decisions based on full, accurate and up-to-date information to be made.The Human Resource segment have long used such information to track employees performance, incentives, problems etc. to streamline the company's input and consequently, maximize its productivity. This system is expected to be user friendly and will offer easy access to data and it enables employees to create and store their records. Without an employee task management system, it is very tedious for the human resource department to keep track of each and every employee and even harder for a project manager to assign tasks to the project team. The application provides facilities of a payroll system which enables employee to generate Pay slips too and it is also helpful to department of the organization which maintains data of employees related to an organization. Thus there is a need of a system which can handles the data of such a large number of employees in an organization. Therefore the employee task management system will be developed to provide information of employees and other facilities at the click of a button. Authentication determine whether the employee should be allowed to access to a given system or resource The important aspect of authentication is confidentiality and integrity and it is also used for the protection of resources. It is important that the same technique should not be used in every situation. In this system, we propose Implicit Password Authentication System. The main application is to protect from critical resources and systems.Here the random questions are generated to each and every employee.

2.EXSISTING SYSTEM

This system will perform all the payroll activities like managing each employee's attendance, the number of leaves taken by that particular employee and calculations done in very quick manner and generates payslips. But the system is not secure, it can be easily accessed by anyone.

2.1 DISADVANTAGES OF EXISTING SYSTEM:

- Less Secure
- Retrieval of Data is Easier

3.PROPOSED SYSTEM

In the proposed system, it provides high authentication to the employee by generating some random questions while login. If the user login with valid username, password and answers the question correctly then an OTP will be sent to the employee registered mail id. By entering that OTP employee gets login to the system. Now a days you will notice that many people are not able to remember their tasks so the advantage of this system is reminding their tasks to employee. This system gives the capability to distribute the work among the employees for efficient and effective work. In this system, the modules add tasks is added in the admin module and view task is added in the employee module. In the add task, module the admin assigns some tasks to the employee. In the view task module, the employee gets the tasks from the admin and along with that a notification will be sent to employee mail id about that task.

3.1 ADVANTAGES OF PROPOSED SYSTEM:

- Highly Secured
- Accurate Process
- Easy to Maintain

4. MODULES

Admin Module: In this module, admin can perform operations like add salary, tax, attendance, task and view payroll. Admin provides unique username and password for each employee.

Employee Module: Employee contains unique Id and password for login. This module provides services like viewing personal data, professional data, tasks, attendances and pay slips to employee.
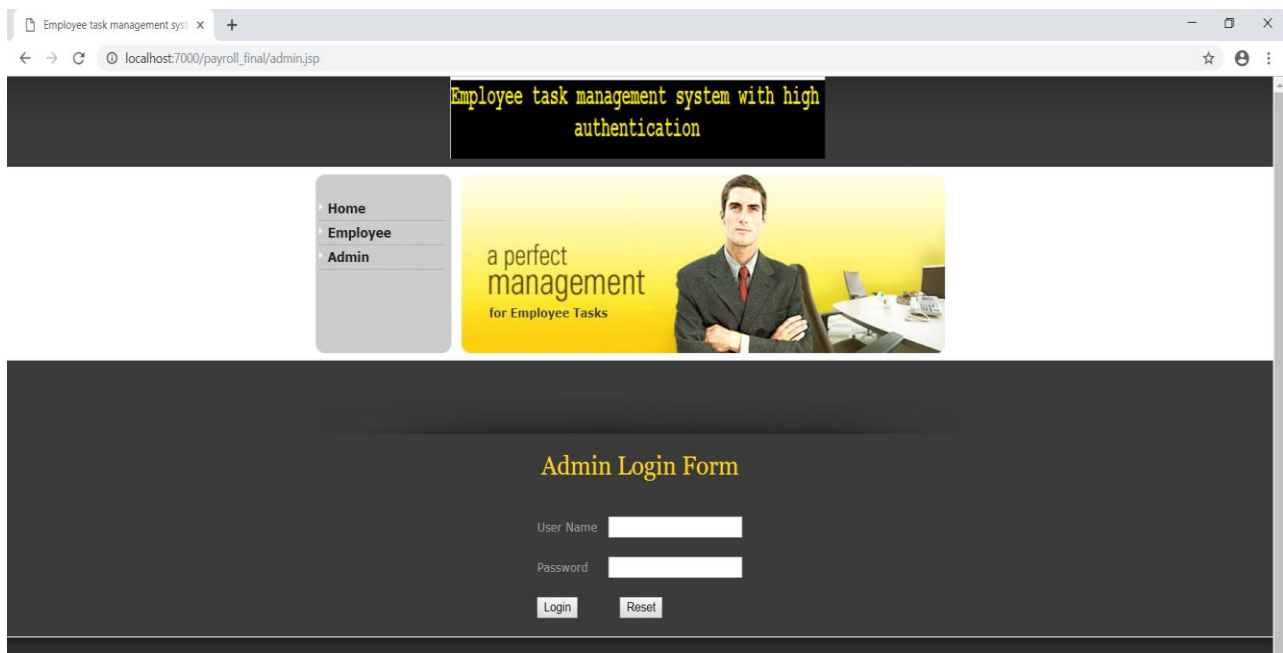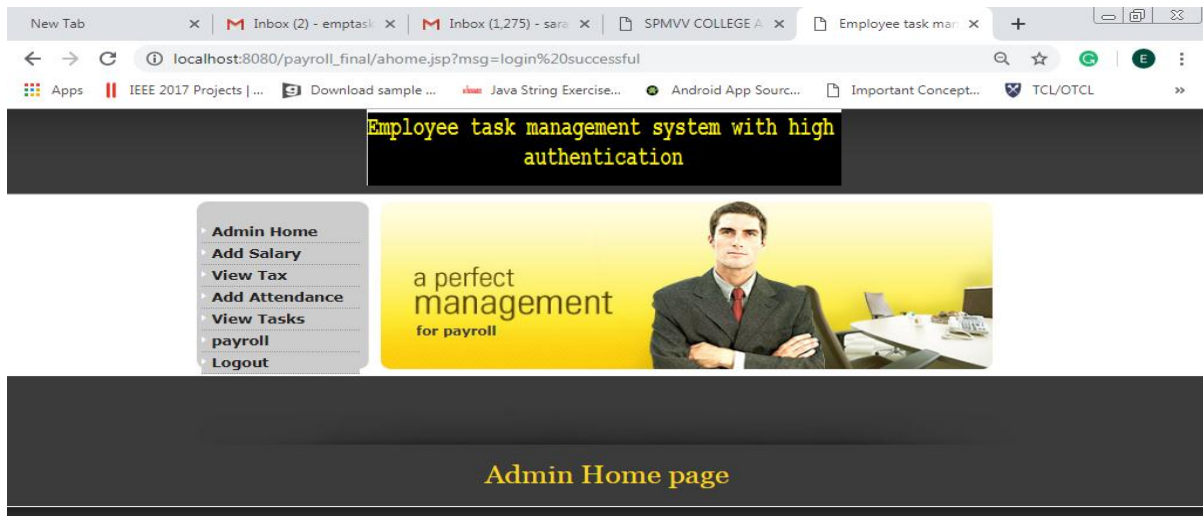
5.RESULTS

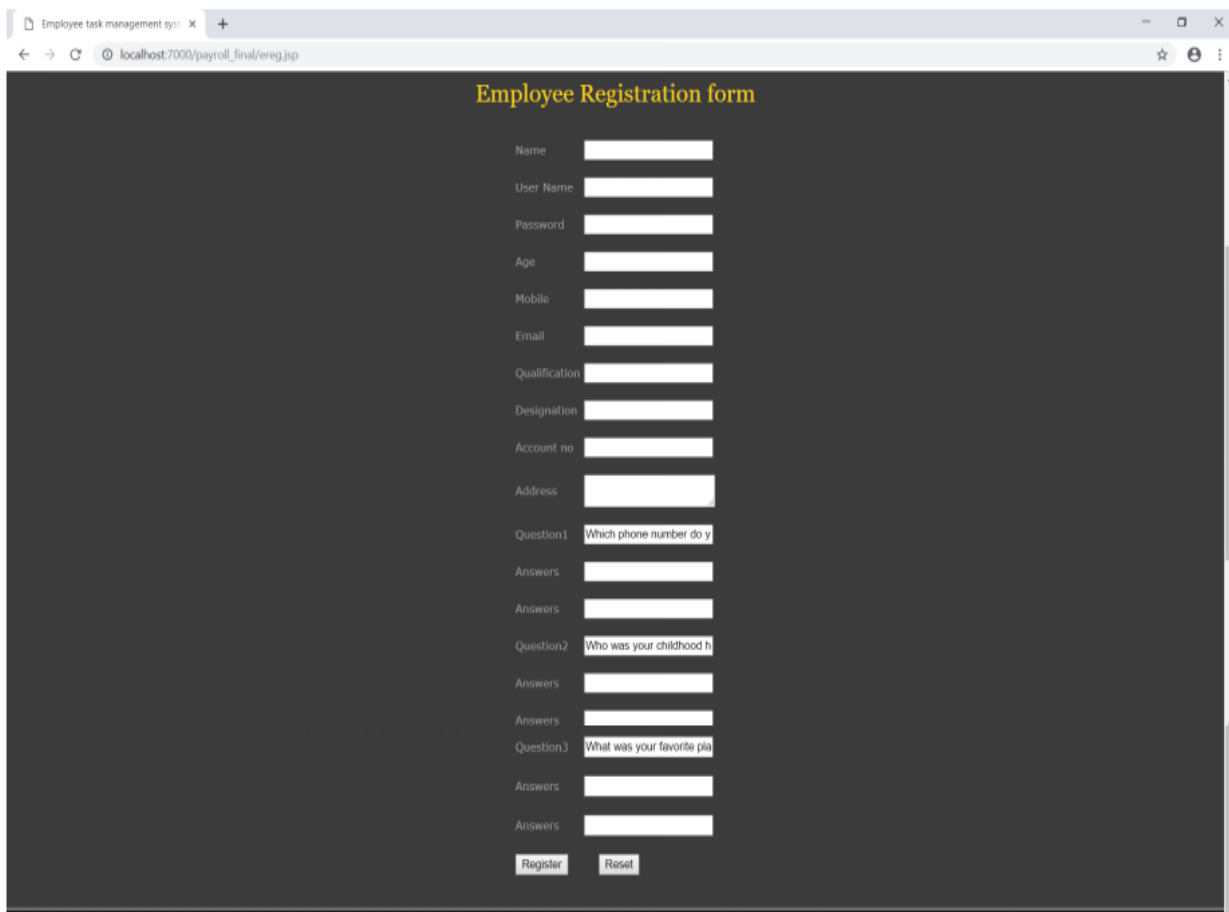**Fig -1**: Admin Login

Fig-2: Admin Home Page

Fig -3: Employee Registration

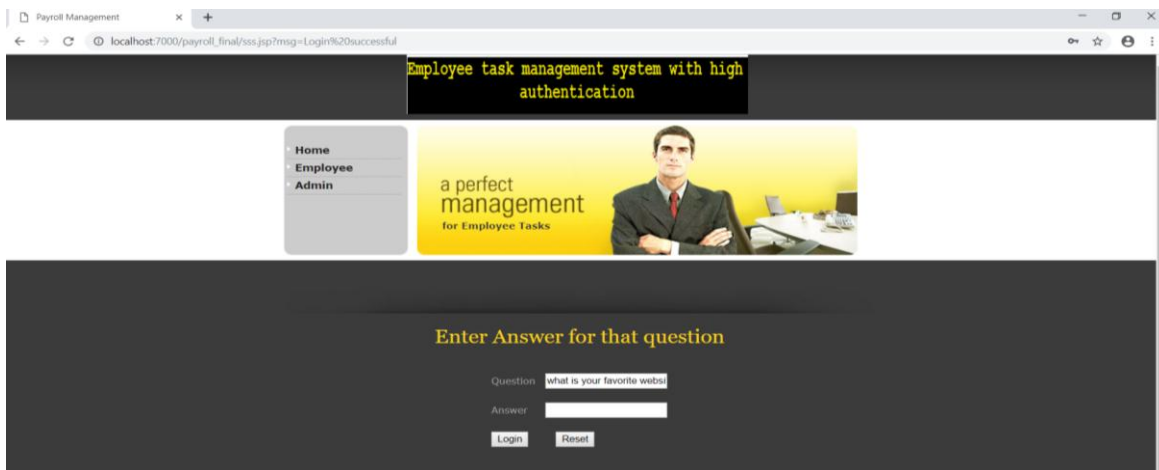**Fig -4:** Employee Login

Fig -5: Random Question Generation
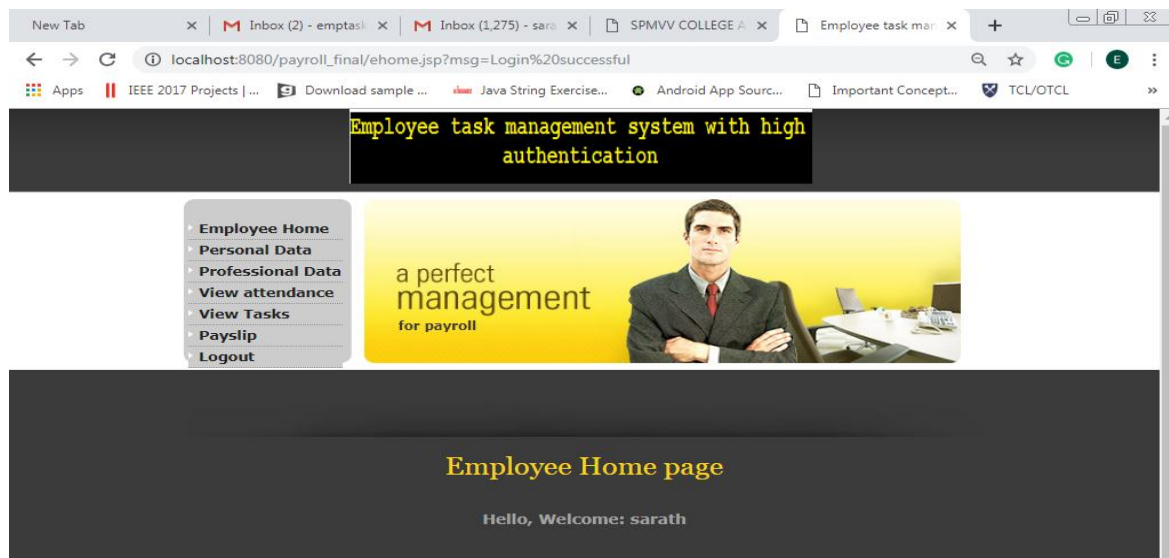

Fig -6: OTP Page

Fig -7: Employee Home Page

5. CONCLUSIONS

Employee task management system is an application that enables admin to create and store employee records and it is more efficient than the other systems. This application maintains the information about the personal details of the employees, also the details about the payroll system which enables to generate the payslip. It is simple to understand and can be used by anyone who is not even familiar with simple employee system. Implicit password is more secure compared with existing system. This system can be implemented in places where security is less. In this system password can't be hacked, only the authorized user identify the implicit password.

6. FUTURE ENHANCEMENT

The Employee Task Management System application can be further enhanced to include following features:

- Maintain leave details of employee
- Send notifications to employee mail for public tasks.
- Admin and Employee Password change option

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