

Smarter Work Management System

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Abstract— Smarter Work Management System (SWMS) is an automated system that can be useful to Employees (developers), team leads and managers (Administrator) in any functional organization. SWMS gives the facility to define the projects in the organization and also allows tracking the efforts spent by the employees for that particular project related task. A report generation facility is supported in SWMS that allows the team leads and managers to analyze effort spent by employees to an assigned project. This system maintains user's personal, address, and contact details. Authentication is provided for this application only registered users can access. The system provides facilities to manage different projects and it's sub modules online efficiently. The system also provides facilities to manage project assignment to Team leads by manager and sub module assignment to developers by Team leads. This project can help managers for effort estimation per project. This project helps employees to document their efforts to analyze.

Key words: Management, Effort Tracking, Manager, Developers

I. INTRODUCTION

Smarter Work Management System (SWMS) is an automated system that can be useful to Employees (developers), team leads and managers (Administrator) in any functional organization. SWMS gives the facility to define the projects in the organization and also allows to track the efforts spent by the employees for that particular project related task. A report generation facility is supported in SWMS that allows the team leads and managers to analyze effort spent by employees to an assigned project. This tool can help managers for effort estimation per project. This tool helps employees to document their efforts to analyze.

A. Objective:

The main objectives of the paper is to reduce the effort of administrator to keep the daily event of project such as employee performance and employee detail. The system provide facility to track the efforts spend by employee on a particular task. The manual system gives us to very less data to overcome this problem we need to implement this application.

B. Problem Definition:

This existing system is not providing secure registration and profile management of all the users properly. This system is not providing on-line Help. This system doesn't provide any facility to track the effort spent by employees on a particular task. This system doesn't provide any facility to maintain projects and it's sub modules online. This manual system gives us very less security for saving data and some data may be lost due to mismanagement. The system is giving only less memory usage for the users. The system also not giving help

to implement and tune the system. The system doesn't have facility to generate requirement specific report.

II. LITERATURE SURVEY

A. Human Resource Management System (HRMS):

The paper is basically concerned with managing the Administrator of HUMAN RESOURCE Department in a company. A Human Resource Management System (HRMS), refers to the systems and processes at the intersection between human resource management (HRM) and information technology. The programming of data processing systems evolved into standardized routines and packages of enterprise resource planning (ERP) software. The main objective of this paper is to reduce the effort of Administrator to keep the daily events such as attendance, projects, works, appointments, etc[1].

B. Employee Tracking System:

Every organization, whether big or small, has human resource challenges to overcome. Every organization has different employee management needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of human resources for your future goals [2].

C. Challenges and Implementation of Effort Tracking System:

The paper discusses about the architecture of Effort Tracking System, the inputs and outputs generated from the system. This paper discusses and compares the manual system of tracking effort with the Effort Tracking System using test of hypothesis. Statistical analysis is performed on these two data sets to determine which system provides the actual efforts drawn from employees by software projects [3].

III. METHODOLOGY

The methodology will defines that how the data is collected or stored and how it is analyzed. It is basically used to define the overall architectural as well as working procedure of the process. All the information of management is stored in database as well as data is display in table format only. The security algorithm used for the protection of a data, that is stored in the database will be managed by the AES algorithm. The AES algorithm is a cryptographic cipher that is responsible for a large amount of the information security.

IV. PROPOSED SYSTEM

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach. This system maintains user's personal, address, and contact details. User

friendliness is provided in the application with various controls provided by system rich user interface. Report generation features is provided using to generate different kind of reports. The system provides facilities to track effort spent by employees on a particular task. The system also provides facilities to manage different projects and it's sub modules online efficiently and facilities to manage project assignment to Team Leads by manager and sub module assignment to developers by Team leads. This system is providing more memory for the users to maintain data. This system is providing accessibility control to data with respect to users.

A. User registration:

Here admin registered new employees as team leads, developers and store their details in Database. He also add new project details like project code, project name, number of modules and store their details in database.

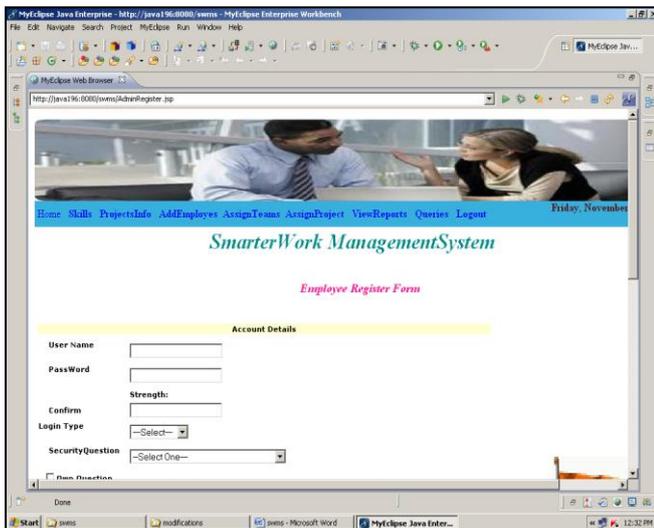


Fig. 1: Employee Registration

B. Login:

Firstly admin enter their Id and password to secure the overall system. Admin assign a tasks to team leader.

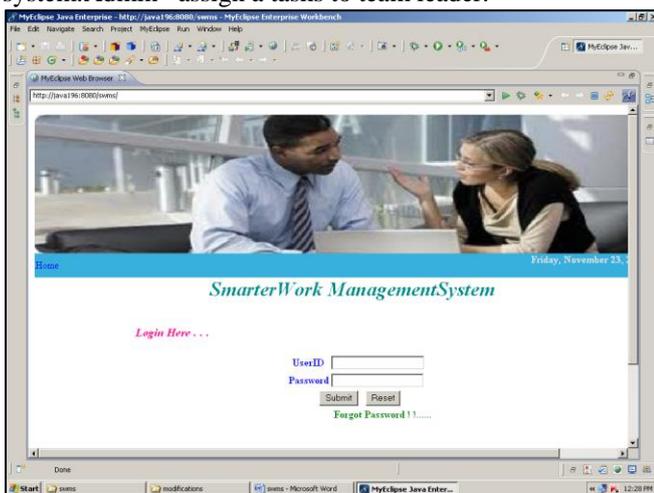


Fig. 2: Admin Login

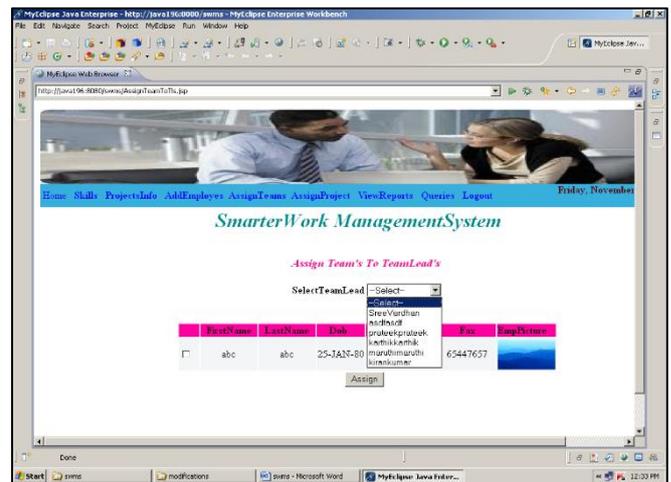


Fig. 2: Assign teams to teamlead

C. View Query:

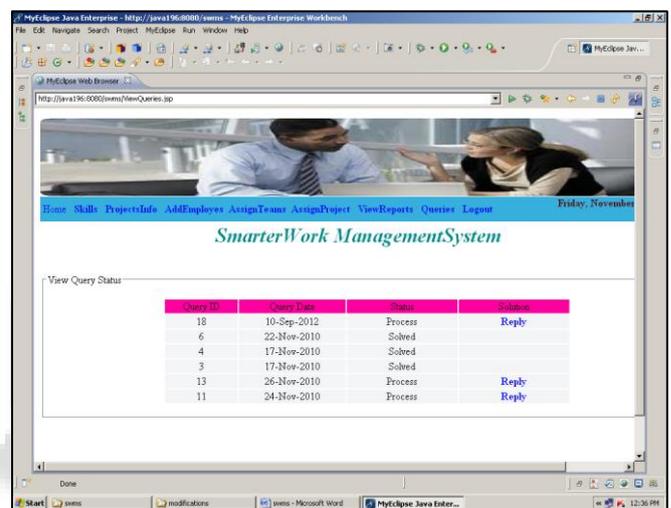


Fig. 4: View Query Status

V. CONCLUSION

Smarter Work Management System (SWMS) is an automated system that can be useful to Employees (developers), team leads and managers (Administrator) in any functional organization.

SWMS gives the facility to define the projects in the organization and also allows tracking the efforts spent by the employees for that particular project related task. A report generation facility is supported in SWMS that allows the team leads and managers to analyze effort spent by employees to an assigned project. This tool can help managers for effort estimation per project. This tool helps employees to document their efforts to analyse.

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