SOFTWARE PERSONNEL MANAGEMENT SYSTEM

1. ***PROBLEM STATEMENT***

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->Software personnel management system a system in which allows employees to record their time card electronically.

->It generates pay slips automatically for the number of hours worked by the employees and the total sales of the company during the period of one month.

->This software runs on each and every employees working computer and he/she can edit only their personal details(like name, DOB etc.)

->The system will maintain the database of all the employees to calculate the pay slips.

->It can also be used to show the performance records of the employees and they can see how many number of hours have they worked.

->***MAIN GOAL-***Instead of maintaining a book and recording everything manually this system helps to make the task easier as it automatically computes the payroll and the number of hours worked.It also saves time of the employees and the work done by payroll administrator will be reduced.

***(2.) SOFTWARE REQUIREMENT SPECIFICATION***

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**INTRODUCTION-**

->It helps in improving the efficiency in the generation of the pay slips and reduces the complexities.

**PURPOSE-**

->If the management is done manually it take more amount of time and also the number of employees every year will be increasing , so maintenance and management system is required and important to meet the demand.

**SCOPE-**

->The administrator can manage the data in a better way.

->In very few seconds it can show the background , performance of the employee and their contribution to the company.

**DEFINITIONS, ACRONYMS AND THE ABBREVIATIONS-**

**ADMINISTRATOR**

- Refers to the super user who is maintaining the employee details.

**EMPLOYEE**

- One who works for a software company.

**SPMS**-

Refers to this Software personnel management system.

**J2EE Java 2 Enterprise Edition-**

-Is a programming platform java platform for developing and running distributed java applications.

REFERENCES-

-IEEEE software requirement specification format.

TECHNOLOGIES TO BE USED-

-Java

-HTML

-Java Script

**TOOLS** **TO** **BE** **USED**

-Eclipse IDE (Integrated Development Environment).

- Rational Rose tool (for developing UML Patterns).

***OVERALL DESCRIPTION--------------------------------------------------------***

**PRODUCT PERSPECTIVE-**

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**->**TheSPMSactsas an interface between admistrator and employee.It makes the interface as simple as possible without breach of data security.

**SYSYEM FUNCTIONS-**

Payment Slip-

->The payroll process is made automated reducing the workload of the administrator allowing him to check all the processes are done on time without any errors.

Viewing Salary-

->The employee views the salary details efficiently from the SPMS. The employees will also be able to know from the system, the number of hours worked per day and total of all hours spent on a project and total pay received year-to-date etc.

USABILITY-

-The software should be easy to use by persons having least programming language also.

-Its interface should be simple and users should be able to use it hassle free.

SECURITY-

-The whole system should be accessed via a login portal which requires for user id and password for the administrator to view details/or for the employees to see their statistics.

PERFORMANCE-

-The SPMS should work efficiently at all times irrespective of the number of users.

-Performance should not degrade with increasing number of users.

**USER CHARACTERISTICS-**

**Employee-**

-> These are the person who desires to view the salary details.

**Administrator-**

->Administrator has the certain privileges to generate pay slip for the employee.

**Database manager-**

->DB manager stores all the data related to Employee and Administrator.

**CONSTRAINTS-**

->The administrator requires a system to monitor information of the employee.

**ASSUMPTIONS AND DEPENDENCIES-**

->The employee and Administrator must have basic knowledge of computers and English Language.

**HARDWARE REQUIREMENTS-**

->Desktop and CPU with atleast -RAM 8 Gb,HDD 512 Gb.

->Scanner and Printer.

**USE CASE DIAGRAM-**

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