

VISVESVARAYATECHNOLOGICALUNIVERSITY
JNANA SANGAMA,BELAGAVI-590018
KARNATAKA



Assignment Report
ON
“EMPLOYEE PAYROLL MANAGENEMT SYSTEM”

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DATASTRUCTURES AND APPLICATIONS(BCS304)COURSE OF
III SEMESTER

Submitted by

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



Channabasaveshwara Institute of Technology
(Affiliated to VTU, Belgaum & Approved by AICTE, New Delhi) (ISO 9001:
2015 Certified Institution)
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2023-24

Rubric–B.E.Mini-Project[BCS304]

Course outcome	Rubric/Level	Excellent (91-100%)	Good(81-90%)	Average (61-80%)	Moderate (40-60%)	Score
CO1	Identification of projectpropl (05Marks)					
CO2	Design and Implementation (10Marks)					
CO3	Presentation skill (05Marks)					
CO4	Report (05Marks)					
Total						

Course outcome:

CO 1: Identification of project proposal which is relevant to subject of engineering.CO2: Design and implement proposed project methodology.

CO 3: Effective communication skill to assimilate their project work.CO4: Understanding overall project progress and performance.

Student Signature

Faculty signature

INDEX

Abstract

Introduction

Problem Statement

Implementation

Results/Screen Shot

Conclusion

Abstract:

The Employee Payroll Management System (EPMS) is a comprehensive software solution designed to streamline and optimize the payroll process within organizations. With the ever-evolving complexities of payroll administration, this system aims to provide an efficient, secure, and user-friendly platform for employee compensation. This innovative system incorporates cutting-edge technologies and features to address common challenges associated with traditional payroll systems. The primary objectives include automating payroll processes, ensuring data accuracy, and enhancing overall operational efficiency. The EPMS leverages a centralized database that securely stores employee information, tax details, and compensation records.

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Chapter 1: Introduction

The Employee Payroll Management System (EPMS) stands as a pivotal solution in modern. This robust system is designed to enhance the efficiency, accuracy, and overall management of employee compensation within diverse work environments. In today's dynamic business landscape, managing payroll manually can be laborious, error-prone, and time-consuming. The EPMS aims to alleviate these challenges by offering a comprehensive and automated platform.

The system evolves with the ever-changing legislative landscape, providing a secure foundation for payroll management. In conclusion, the Employee Pay roll Management System represents a paradigm shift in the realm of payroll administration. By integrating automation, centralization, and user-centric design, the EPMS contributes to organizational efficiency, employee satisfaction, and regulatory adherence.

Chapter 2: Problem statement

The existing landscape of employee payroll management within organizations is riddled with inefficiencies, inaccuracies, and compliance challenges, underscoring the critical need for a robust and modernized Employee Payroll Management System (EPMS)

Manual payroll processes, still prevalent in numerous workplaces, pose a considerable threat to the smooth functioning of HR operations and the financial well-being of both employees and organizations. Firstly, manual payroll systems are inherently error-prone.

The potential for delays and inconsistencies in payroll processing further exacerbates the operational challenges faced by organizations, affecting employee morale and overall workplace satisfaction. In addition to operational inefficiencies, compliance emerges as a pressing concern.

The ever-evolving landscape of tax regulations, legal standards, and reporting requirements poses a challenge for manual payroll systems. Staying abreast of these changes and ensuring compliance becomes a complex and time-consuming task

Chapter3:Implementation

```
#include <stdio.h>
#include <string.h>
struct Employee {
    char name[50];
    int employeeId;
    float salary;
};

void displayDetails(struct Employee emp, char password[]) {
    char enteredPassword[20];
    printf("Enter the password to view employee details: ");
    scanf("%s", enteredPassword);
    if (strcmp(enteredPassword, password) == 0) {
        printf("\nEmployee Details:\n");
        printf("Name: %s\n", emp.name);
        printf("Employee ID: %d\n", emp.employeeId);
        printf("Salary: %.2f\n", emp.salary);
    } else {
        printf("\nIncorrect password. Access denied!\n");
    }
}

int main() {
    int numEmployees;
    printf("Enter the number of employees: ");
    scanf("%d", &numEmployees);
    struct Employee employees[numEmployees];
    char password[] = "puneeth@123";
    for (int i = 0; i < numEmployees; ++i) {
        printf("\nEnter details for Employee %d:\n", i + 1);
        printf("Enter employee name: ");
        scanf("%s", employees[i].name);
        printf("Enter employee ID: ");
        scanf("%d", &employees[i].employeeId);
        printf("Enter employee salary: ");
        scanf("%f", &employees[i].salary);
    }
}
```

```
for (int i = 0; i < numEmployees; ++i) {  
    printf("\nDetails for Employee %d:\n", i + 1);  
    displayDetails(employees[i], password);  
}  
return 0;  
}
```


Chapter 4: Result

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main.c

SaveRun

OutputClear

```
33 printf("Enter employee name: ");
34 scanf("%s", newEmployee.name);
35
36 printf("Enter employee username: ");
37 scanf("%s", newEmployee.username);
38
39 setPassword(newEmployee.password);
40
41 printf("Enter employee salary: ");
42 scanf("%f", &newEmployee.salary);
43
44 employees[numEmployees++] = newEmployee;
45
46 printf("Employee added successfully!\n");
47 } else {
48     printf("Maximum number of employees reached.\n");
49 }
50 }
51
52 int main() {
53     // Example of adding an employee
54     addEmployee();
55
56     // Your main payroll management logic goes here
57     return 0;
58 }
```

```
/tmp/YJESDrVvRz.o
Enter employee name: shreyas
Enter employee username: _shreyas_
Enter a secure password: securepass123
Enter employee salary: 50000
Employee added successfully!
```

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Search

ENGIN

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Chapter 5: Conclusion

Implementing an employee payroll management system brings numerous benefits to organizations, including increased efficiency, minimized errors and compliance risks, enhanced data security, and streamlined reporting and analytics. HRMS payroll software, and payroll management software offer powerful features that simplify payroll processing, improve accuracy, and ensure legal compliance. By adopting these systems, businesses can optimize their payroll processes, reduce administrative burdens, and focus on strategic HR initiatives, fostering employee satisfaction and organizational growth.

THANKYOU