



PARSHWANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science



PayTrack : Expenditure Tracker

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Project Guide
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1. Introduction

- **Efficient Employee Payment Management:**
The payroll system automates the calculation of employee salaries, Allowance, and deductions.
- **Compliance and Reporting**

Problem Identification for a Payroll System

1. Manual Calculation Errors
2. Time-Consuming
3. Lack of Data Security
4. Compliance Issues

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Proposed Solution for a PayTrack System Using Java:

1. Automated Payroll Calculation
2. Employee Management Module
3. Deduction & Allowance Calculation
4. Generates Reports of Salary Slips, Staff Information & Deduction/Allowance

2. Objectives

The objectives of an PayTrack System include:

- 1. Accuracy in Payroll Processing:** To Ensure precise calculation of employee wages, deductions and benefits, minimizing errors and discrepancies in payment.
- 2. Time and Cost Efficiency:** To automate payroll tasks to reduce manual effort, save time, and lower administrative costs associated with payroll management.
- 3. Compliance with Regulations:** To maintain compliance with labor regulations, and other legal requirements to avoid penalties and legal issues.
- 4. Employee Satisfaction:** To Provide timely and transparent payroll processing, ensuring employees receive their wages on time and can access detailed payslips.

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5.Easy Reporting and Record-Keeping: To generate payroll reports for management, audits, and government filings, ensuring all payroll-related data is easily accessible and organized

3. Scope

The Employee PayTrack System project:

Can be applied in:

1. Medium, and Large Enterprises
2. Government Organizations
3. Educational Institutions
4. Healthcare Facilities

Can be useful for:

1. HR Departments
2. Finance and Accounting Teams
3. Business Owners

4. Features

1. The system uses a MySQL for you to store your registered data.
2. When entering in **Gross** field, the system will automatically calculate the other expenses.
3. In registering a data, the user must provide a valid employee name.
4. The system also can calculate the over time by entering a specific hours in the field.

5.Outcome of Project

- 1. Payroll Calculation** - Run Payroll: Based on approved attendance data, salary structure, and deductions, the system calculates net pay for each employee.
- 2. Payslip Generation** - Generate Payslips: Create detailed payslips showing gross salary, deductions, and net pay for each employee.

6. Technology Stack

1. This Java-based expense management system features a GUI for easy budgeting.
2. It utilizes MySQL for data storage, automatically calculating expenses and potential payments based on gross input, designed for simplicity and skill development in Java programming.
3. When the Data is entered, it will automatically calculate all the other expenses and possible payable.



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Please enter your username and password

Username:

admin

Password:

Select Position:

Admin

Login





Employee Reports Audit About



Employee Manager



Search



Allowance



Update Salary



Deduction



Payment

Logged in As : 0



File 10/9/2024 11:13:11

Logged in As : 1

Employee Details

Employee id :	<input type="text"/>	Department :	<input type="text"/>
First name :	<input type="text"/>	Designation :	<input type="text"/>
Surname :	<input type="text"/>	Status :	<input type="text"/>
Date of Birth :	<input type="text"/>	Date Hired :	<input type="text"/>
Gender:	<input type="radio"/> Male <input type="radio"/> Female	Basic Salary :	<input type="text"/>
		Job Title :	<input type="text"/>
Email :	<input type="text"/>		
Contact :	<input type="text"/>		
Address Line 1 :	<input type="text"/>		
Address Line 2 :	<input type="text"/>		
Apt./House No :	<input type="text"/>		
Post Code :	<input type="text"/>		



Add Record



Clear



Search

Employee ID:

Please enter the amounts

Employee id :

First name :

Overtime :

Total Overtime:

Surname :

Medical :

Rate Per Hour :

Date of Birth :

Bouns :

Basic Salary :

Other :

Department :

id	overt...	medi...	bonus	other	emp...	salary	rate	total...	firstn...	sum...	crea...
1	100	100	100	100	2	80000	400.0	6030...	Sum...	Manik	0
2	100	200	300	400	1	40500	202.5	3127...	Aditya	Kate	0
3	1000	500	1500	800	2	84000	420.0	6328...	Sum...	Manik	1
4	1500	1500	1500	1500	3	4000	20.0	4950...	Abd...	Khan	1
5	100	100	100	0	3	4000	20.0	3200.0	Abd...	Khan	1

Total Amount : 0.00



Save



Calculate



Clear



Search

Employee ID:

Message



No Data Found for the provided ID.

Employee id :

Date of Birth :

First name :

Basic Salary :

Surname :

Department :

Update Salary by : ☐ Percentage (%) ☐ Amount

Percentage :

Amount:



Update

Logged in As : 1



Search

Employee ID :

Employee id :

Designation :

First name :

Status :

Surname :

Date Hired :

Date of Birth :

Job Title :

Department :

Basic Salary :

Update Salary by : ☐ Percentage (%) ☐ Amount

Percentage :

Amount:

Total Deduction: 0.00

Salary after deduction: 0.00

Reason:




Save

+ Calculate



Clear


Logged in As : 1

— □ ×

Search

Employee ID :

Employee id :	<input type="text"/>	Designation :	<input type="text"/>
First name :	<input type="text"/>	Status :	<input type="text"/>
Surname :	<input type="text"/>	Date Hired :	<input type="text"/>
Date of Birth :	<input type="text"/>	Job Title :	<input type="text"/>
Department :	<input type="text"/>	Basic Salary :	<input type="text"/>

Generate Slip

Thank You...!!