**Employee Salary Management System**

**Project Synopsis**

**Version 1.0**

Minor Project/ Industrial Training(CSC 356)

Degree

**B.Sc (Hons.) Computer Science**

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# Project Title

Employee Salary Management System

# Domain

Desktop Application

# Problem Statement

The problem definition for designing the Employee Salary Mangement System is to calculate the employee salary with overtime bonus in weekly wages and also generate the employee payment slip with all details about the employee.Some of the employees may be doing overtime work so through this application we can also calculate the overtime payment based on how many hours he work greater than than the daily hours.

The objective of this project is to create a effective system which can be helpful in business for calculating salaries of employees. No formal knowledge is needed for user to use this application.

# Project Description

Employee Salary Management System with the help of Python-

**Employee Payment Management System project is a desktop application which is developed in Python platform.**It is a Employee Salary Management System GUI application. It Is used to calculate the employee salary with overtime bonus in weekly wages.It also generate the employee payment slip with all details about that employee.Some of the employees may be doing overtime work so in this application we can also calculate the overtime payment based on how many hours he work greater than than the daily hours. As per terms ,an employee has to work for a minimum of 42 hours in a week .If the employee works for more than 42 hours then an overtime bonus will be added to the employee salary and if an employee doesn’t worked for atleast 42 hours then he will lose some money from his/her total salary. On clicking the ‘weekly salary’ button the system will automatically calculate the tax , overtime bonus and the total salary of that week as per the given data.This is the main advantage of this application. We can also generate a receipt of the salary by clicking on the “With Reciept” option on the top left and then clicking on “View Payslip” button.

## Scope of the Work

This application can perform various tasks. The things that this software can do are :

1) Calculate Salary of an Employee.

2) Calculate the bonus as per the overtime hours.

3) Tells you the current date.

4) Generate a receipt with the employee information and weekly salary.

There are some things which we expect from this software but it can’t do . Those things are :

1) It can’t save the information of employee.

2) We can’t caluculate the salary of ,ultiple employees at a time.

## Project Modules

* **Reciept Box:** The user can click on receipt box to choose if he wants to generate a receipt of thesalary or not.
* **Weekly salary:** Through this, the user can calculate the weekly salary of the employee ,tax & fund charges, and the overtime bonus.
* **Reset:** This module clears all the entries of the application.
* **View Payslip :** This will generate a receipt/payment slip of the employee information with salary in the text box.
* **Exit System:**After clicking this button, it will show one window asking yes or no to destroy this application.

# Implementation Methodology

YES

Employee fields with blank entries

Input Name and all other fields

Click

Click “Weekly Salary””

Print “Tax, Overtime, Net Pay”

Click “Exit”

Click “View Payslip”

Generate “Reciept”

Click “Reset”

Click “Exit”

# Technologies to be used

## Software Platform

1. **Front-end**

PythonTkinter GUI

1. **Back-end**

Python

## Hardware Platform

RAM, Hard Disk, OS, Editor, Browser etc.

## Tools

IDLE(Python 3.8)

# Advantages of this Project

* **Saves Time:** Through this project one can save his time that he/she spend on calculating the employee salary.
* **Accuracy:** This project will provide accurate results with faster calculation.
* **Easy to use :** This project is very easy to use and calculate the salary of any employee.
* **Generate Reciept:** This project can also generate receipt of the salary.
* **Efficient:** This project is very efficient and useful for business purpose.

# Future Scope and further enhancement of the Project

Future scope of this project is to make it easy for the companies to manage the record of the salary of the employees working in their company. Some of the future enhancement of this project is as follows :

1. Store all the records.
2. Keep the information secure.
3. Calculate multiple employees salary at a time.
4. No need to enter employee Name again and again.

# Team Details

*<Guidelines: Team should not exceed 5 members >*

*Possible Roles are: Developer, Tester, and Designer*

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| **Group#** | **Course Name** | **Student ID** | **Student Name** | **Role** | **Signature** |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
|  |  |  |  |

# Conclusion

We have developed this software to overcome the problem of time , accuracy and reliability. This software performs calculation to find out the salary of an employee of any company.

It has the capability of generating a receipt of the employee information alongwith its weekly salary on the basis of the data input by the user. It will be very helpful in terms of time and ease of use. To be concluded, this software can be enhanced with no limit.

# References

**URL:** <https://www.geeksforgeeks.org>

<https://www.kashipara.com>

<https://trainings.internshala.com/python-training?utm_source=internshala-menu-dropdown>

**Book:-** PYTHON PROGRAMMING: A Modular Approach

Writer: Sheetal Taneja, Naveen Kumar