

MINI PROJECT REPORT

ON

PAYROLL MANAGEMENT SYSTEM

PRESENTED BY

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2017020

**DECLARATION**

## I, **Shashank kothari** student of **B-tech, Semester 3,** Department of Computer Science and Engineering, Graphic Era Deemed University, Dehradun, declare that the technical project work entitled “Payroll System” has been carried out by me and submitted in partial fulfillment of the course requirements for the award of degree in B- tech of **Graphic Era Deemed University** during the academic year **2021-2022**. The matter embodied in this synopsis has not been submitted to any other university or institution for the award of any other degree or diploma.



**CERTIFICATE**

This is to certify that the project report entitled “Payroll System” is a project work carried out by Shashank Kothari , roll no- 2017020 in partial fulfillment of award of degree of B- tech of Graphic Era Deemed University, Dehradun during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated. The project has been approved as it satisfies the academic requirements associated with the degree mentioned.

**Dr. Devesh Pratap Singh**

**HOD (Computer Science)**

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**ACKNOWLEDGEMENT**

Here by I am submitting the project report on **“Payroll System”** as per the scheme of Graphic Era Deemed University, Dehradun.

I would like to express our sincere gratitude to **Dr. Devesh Pratap Singh,** Head of Dept. of Computer Science, for providing a congenial environment to work in and carry out our project.

I consider it mine cardinal duty to express the deepest sense of gratitude to Dr. **Pankaj Kumar** Asst. Professor, Department of Computer Science and Application for the invaluable guidance extended at every stage and in every possible way.

Finally, I am very much thankful to all the faculty members of the Department of Computer Science and Technology, friends and our parents for their constant encouragement, support and help throughout the period of project conduction.

**PROBLEM STATEMENT**

The actual problem in manual system to maintain different database for an organization whose main purpose is to issue pay slips for their employees every month working in various departments of the organization, and maintain details of all the departments, employees with various grades, their designations, different salaries and leaves taken.

“Payroll System” is designed to make existing time consuming and troublesome manual system simple and faster using computerized equipment and high-end software.

**MOTIVATION**

We know that the manual system of issuing pay slips to employees is hectic and time consuming. The chances of error are high, also issuing salary is important part of an organization in which a small miscalculation can create a chaos. Along with this maintaing and searching records are difficult. So, to overcome these problems the idea of a Payroll system comes into the picture by reducing work hours, increasing efficiency and reducing chances of error.

**THE PROJECT**

The proposed project “Payroll Management System” has been developed to overcome the problems faced in the practicing of manual system. This software is built to eliminate and, in some cases, reduce the hardships faced by the existing system. Moreover, this system is designed for particular need of the company to carry out its operations in a smooth and effective manner. It is user-friendly as no formal knowledge is required to use the system.

The main concept we cover in our project is manage employee detail, manage leave, Generate monthly salary, Extra Allowance and Deduction. Admin is a responsible for operating whole system. Admin has rights to Add new Employee. Admin has a password to login into system. After login into system admin can enter the leaves taken or overtime done by employee, According to leave the salary will be deducted from salary and overtime will be added to the salary. At the time of generating salary Travel Allowance, HRA, DA and PF will automatically be added to the Basic salary.

**METHODOLOGY**

**TOOLS USED**

The basic tools were still used.

1. CODE::BLOCKS
2. GCC Compiler

**Language used:** C++ Programming language

Formula used to generate gross pay:

Gross Pay = (sal + hra + da + ta + pf)

SAL: Basic Salary

HRA: House Rent Allowance

DA: Dearness Allowance

PF: Provident Fund

TA: Travelling Allowance

Hra=sal\*(0.10)

da=sal\*(0.15)

ta=sal\*(0.20)

pf=sal\*(0.25)

MODULES USED

* Employees\_List()
* Show\_Details()
* Edit\_Existing()
* Add\_New\_Employee()
* Delete\_Employee\_Details()
* Add\_Overtime()
* generate\_Payslip()

**Diagram

Description automatically generated**

CONCLUSION

This project is built keeping in mind that it is to be used by only one user that is the admin. It is built for use in small scale organization where the number of employees is limited. According to the requested requirement the admin can add, manipulate, update and delete all employee data in his organization. The admin can also add predefined pay grades for the employees. The required records can be easily viewed by the admin anytime time he wants in an instant. The payment of the employee is based on monthly basis. Numerous validations implemented would enable the admin to enter accurate data. The main objective of this framework is to save time, make the system cost effective and management records efficiently.