**Project Report**

**Description of the Project :**

The Pay Slip Generation System (PSG) is a software application designed to automate the creation of pay slips for employees. It simplifies the payroll process by calculating salaries, deductions, and bonuses, and then generating a formatted pay slip for each employee. This system is useful for organizations to ensure accuracy, efficiency, and easy record-keeping.

**Key Features of the PSG:**

* Automatic calculation of gross salary based on inputs like basic pay, allowances, and overtime.
* Deduction calculations for taxes, provident fund, and other withholdings.
* Generation of a professional, clear pay slip detailing all components of the salary.
* Ability to handle multiple employees' data and generate respective pay slips individually.
* User-friendly interface for easy data input and retrieval.
* Export or print options for generated pay slips (optional based on implementation).

**Output Details :**

The Pay Slip Generation System (PSG) displays output in a structured, menu-driven format. Upon execution, the system presents a main menu with the following functionalities :

* **Enter Details of Permanent Employee**  
  Prompts the user to input personal and salary details of a permanent employee, including basic salary. These details are stored for further processing.
* **Generate Pay Slip for Permanent Employee**  
  Calculates the gross and net salary using components like DA, HRA, MA, PF, PTax, and ITax. The formatted pay slip is displayed and saved to a file.
* **Set Dearness Allowance Rate (DA)**  
  Allows the user to set the DA percentage, which is applied to the basic salary.
* **Set House Rent Allowance Rate (HRA)**  
  Allows the user to set the HRA percentage, applied to the basic salary.
* **Set Professional Tax Amount (PTax)**  
  Enables the user to input the professional tax value to be used in deductions.
* **Set Medical Allowance (MA)**  
  Allows setting a fixed amount for medical allowance applicable to permanent employees.
* **Display Employee Details**  
  Fetches and displays the stored details of an employee (either permanent or contractual) using their employee ID.
* **Compute Overtime Dues**  
  Accepts the number of overtime hours for an employee and calculates overtime payment at a fixed rate (INR 400 per hour).
* **Enter Details and Generate Pay Slip for Contractual Employee**  
  Inputs details and generates a pay slip for contractual employees by applying fixed deductions for PTax and ITax on the gross salary.