**Payroll Management System**

**(Sample Test)**

Please read the system carefully and analyze it and let us know the time taken for completing the project and also draw the class diagram for the system and show the relationship between the entities. (Include the cardinality details: 1..1, 1..\*)

**Note: Do not use auto generated codes, use your own codes when you going through the test. If you need any clarification please get information from Afisol team**

**Database Name Should Be** PMS\_Yourname (Ex: PMS\_Afisol)

**Description** (There are 3 pages)

***First page is salary setting information.***

The user (admin) has to enter designation (position) of employees and the salary information.

These designations have to be listed in the employee’s information page as position while adding new employee.

The setting details which have to be stored in the database are (SSID, **Designation, Basic, OT1, OT2, Incentive**, CreatedBy, CreatedDate)

CreatedBy id will be the one who entering the salary setting information. (Logged in userid, temporarily use number 1 as default)

***Validation:*** all fields must be entered.

Only decimal allowed for the Basic, OT1, OT2, Incentive

Designation cannot be duplicated

***Functions: Save, Update, Delete***

***Hint: (Saved Setting have to be listed down in grid, and show with edit, delete button. By pressing one of the button do the relevant action)***

***Second page is employee details page***

This page use to enter all the employee information.

These are the details have to be stored about each employee.

(EmpID, **FName, LName, Address, Tel, Mobile, Email, NIC, DOB, Gender, JoinDate, PosSSID**, CreatedBy, CreatedDate)

*PosSSID is a foreign key which is the primary key of the designation table (SSID).*

Position have to select from dropdown (all the records from designation table have to listed down)

***Validation:*** field must be entered - FName, email, NIC, position

Email cannot duplicate.

***Function: Save***

***Third and final page for report purpose***

This page has to allow the user to generate the salary sheet.

The page has to allow the user to select employee id. (Dropdown have to show the empid and fname combination. Ex: “1001 – Afisol”)

Then allows entering working hours of the selected employee to generate the report; details have to provide: empid, working hours

From this information report has to be generated with proper salary calculation for that employee.

***Validation:*** empid and working hours must be entered.

***Functions: Report View***

***Calculation:***

Normal working hours - 8

OT1 - additional 2 hours (if he/she works more than 8 hours)

OT2 - more than 10 hours (if he/she works over 10 hours)

Incentive - percentage from the basic salary

Ex:

EmpID - 52

Working Hours - 11

Basic - 600 (8hours)

OT1 - 200 (additional 2 hours in the OT1 range, 100/Hour)

OT2 - 200 (additional 1 hours in the OT2 range, 200/Hour)

Incentive - 60 (10% of basic)

Total - 1, 060 per day