IBM CAREER EDUCATION

MAIN PROJECT

DOMAIN NAME: JAVA

PAYROLL MANAGEMENT SYSTEM

Submitted By,

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Submitted To,

PAYROLL MANAGEMENT SYSTEM

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FLOWCHART

PAYROLL MANAGEMENT SYSTEM

SOFTWARE SPECIFICATIONS

- OPERATING SYSTEM : Windows
- ENVIRONMENT : Ecllipse Oxygen Software

HARDWARE SPECIFICATIONS

- PROCESSOR : PENTIUM IV 2.8MHz
- RAM : 256 MB SD RAM
- MONITOR : 15” COLOR
- HARD DISK : 40 GB
- FLOPPY DRIVE : 1.44 MB

DESCRIPTION

INTRODUCTION:

. As the technology has revolutionized every industry have massively improved their efficiency but improve the management

PAYROLL MANAGEMENT SYSTEM

of the systems in every way. The payroll management system is core system for any organization.

DESCRIPTION:

. It will take care of the calculation of the salary with rules which are implied by the industry differently for every employee of the company. It obviously reduces the manual work which is required to manage the paper work and improve the reliability of the system.

This payroll management system has improvised all the basic exercise to manage the salary of the employees. This automated the whole of salary management which was previously done by manually.

It will be a more efficient system to rely on for the industry as it reduces the time of the operations which will basically take more time manually.

Making the database centralized in the company so that each authorized device can access the required information. It will also enable the industry save the previous record easily if required in future.

ADVANTAGES:

. Does not require paper work

. Only Human error while entering the information

. Not required much space

. Automatically search and sort the information

. Require less physical work and man power

. Editing is a lot easier

. It will also help in generating the report of the employee and evaluating the performance through the automated system. Although this provides the safety and security from any kind of disaster and also the authorization authentication scheme provides more flexibility for the end user of the system.

DISADVANTAGES:

. Required Buying of goods more frequent as compared to the online system.

Likely to have an error.

Lack of storage space for the documents.

If these files are less in number than it is not a that big problem but if the number increases then searching for a particular document can give a personal nightmare as these are more prone to damages and

even it gets the searching job done the time required to do the job is not ideal at all.

Require more physical work and man power.

Editing is another level of problem in those paper documents the only option is to make new documents if any correction needs to be made that is not a good at all for the environmental credentials.

No backup of the information.

Where all the drawbacks of the pre-existing system have been overcome in the proposed system. It definitely improves the speed by automating most of the task required to be done manually previously.

PAYROLL MANAGEMENT SYSTEM

PICTURES

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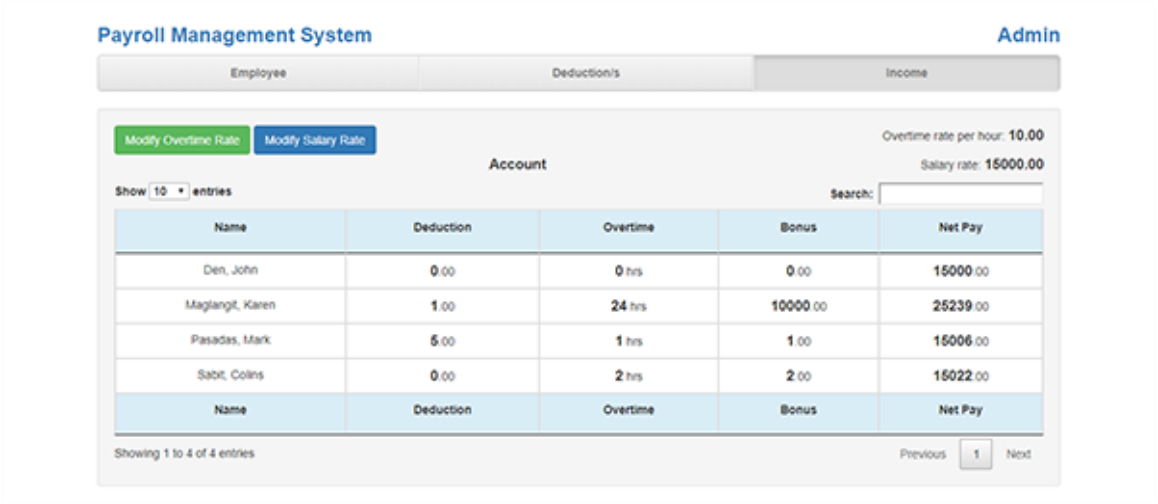
Payroll
Management
System


Payroll Management System
Admin
Employee
Deduction/s
Income
Modify Overtime Rate
Modify Salary Rate
Account
Overtime rate per hour: 10.00
Salary rate: 15000.00
Show 10 entries
Search:
Name
Deduction
Overtime
Bonus
Net Pay
Den, John
0.00
0 hrs
0.00
15000.00
Maglangit, Karen
1.00
24 hrs
10000.00
25239.00
Pasadas, Mark
5.00
1 hrs
1.00
15006.00
Sabit, Colins
0.00
2 hrs
2.00
15022.00
Name
Deduction
Overtime
Bonus
Net Pay
Showing 1 to 4 of 4 entries
Previous
1
Next

PAYROLL MANAGEMENT SYSTEM

AIM:

To display employee details and get their in and out time And calculate salary accoriding to the time period and show the report of each employee

PROGRAM:

```
import java.util.*;


public class Payroll_Management_system {


static String[][] Employee = new String[5][7];

. .
```

```
static Scanner sc=new Scanner(System.in);


public static void Welcome()

{


System.out.println("============================
=======================");

System.out.println("           PAYROLL MANAGEMENT
SYSTEM          ");


System.out.println("============================
=======================");

}


public static void Init()

{

Employee[0][0]="001";

Employee[1][0]="002";

Employee[2][0]="003";

Employee[3][0]="004";

Employee[4][0]="005";
```

```
Employee[0][1]="Russel Peters";

Employee[1][1]="Kevin Ross";

Employee[2][1]="Jessica Parker";

Employee[3][1]="Neha Thakkar";

Employee[4][1]="John Starinski";


Employee[0][2]="Management";

Employee[1][2]="Acounting";

Employee[2][2]="Engineer";

Employee[3][2]="Engineer";

Employee[4][2]="Acounting";


}


public static int INandOut()

{

System.out.println("In time and out time entry");

System.out.println("Enter the id of employee to update in
time and out time (24 hour format):");

String id=sc.next();


• •
```

```
for(int i=0; i<5; i++)
{
	if(Employee[i][0].equals(id))
	{
		System.out.println("Enter in time(hh:mm) :");
		Employee[i][3]=sc.next();
		System.out.println(Employee[i][3]);
		System.out.println("Enter out time(hh:mm) :");
		Employee[i][4]=sc.next();
		return i;
	}
	/*else
		System.out.println("Employee data not found.
Please check employee id...");
	*/
}
return 0;
}

public static void Salary(int m)
```

```
{
System.out.println("Calculating salary.....");
//for(int i=0; i<5; i++)
//{
        int rs=0;
        if(Employee[m][2].equals("Management"))
        {
                rs=500;
        }
        if(Employee[m][2].equals("Acounting"))
        {
                rs=400;
        }
        if(Employee[m][2].equals("Engineer"))
        {
                rs=200;
        }
        //Display();
        int
in=Integer.parseInt(Employee[m][3].substring(0,2));


• •
```

```
        int
out=Integer.parseInt(Employee[m][4].substring(0,2));
        int sal=(out-in)*rs;
        Employee[m][5]=String.valueOf(sal);
        System.out.print("manush");
//}
}

public static void Grade()
{
System.out.println("Calculating grade.....");
for(int i=0; i<5; i++)
{
        if(Employee[i][2].equals("Management"))
                Employee[i][6]="A";
        if(Employee[i][2].equals("Acounting"))
                Employee[i][6]="B";
        if(Employee[i][2].equals("Engineer"))
                Employee[i][6]="C";
}
```

```
}


public static void Display()

{


System.out.println("============================
========================");

System.out.println("                REPORT                    ");


System.out.println("============================
========================");

System.out.println("ID\t Name\t\t Department\t InTime
OutTime Salary  Grade\t");

for(int i=0;i<5; i++)

{

        for(int j=0;j<7; j++)

        {

                System.out.print(Employee[i][j]+"\t ");

        }

        System.out.println("");

}

}


• •
```

```
public static void main(String[] args) {


Welcome();

Init();

int choice=0;

do

{

   //for(int i=0;i<=4;i++)

         //{

               int m= INandOut();

         //}


Salary(m);

Grade();

Display();

System.out.println("Do you wish to enter more data?(enter
1)");

choice=sc.nextInt();

}while(choice==1);
```

}

}

EXPLANATION ABOUT PROJECT:

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-

OUTPUT SCREENSHOTS:

```
==================================================
            PAYROLL MANAGEMENT SYSTEM
==================================================
In time and out time entry
Enter the id of employee to update in time and out time (24 hour format):
001
Enter in time(hh:mm) :
08:00
08:00
Enter out time(hh:mm) :
12:00
```

```
==================================================
                    REPORT
==================================================
ID      Name            Department      InTime  OutTime Salary  Grade
001     Russel Peters   Management      08:00   12:00   2000    A
002     Kevin Ross      Acounting       08:00   12:00   1600    B
003     Jessica Parker  Engineer        08:00   20:00   2400    C
004     Neha Thakkar    Engineer        06:00   14:00   1600    C
005     John Starinski  Acounting       null    null    null    B
```

REFERENCES: (3 References Should Be There)

1. www.freeprojectz.com

2.W3.schools

3. Google

CONCLUSION:

. Payroll Management System" software developed for a company has been designed to achieve maximum efficiency and reduce the time taken to handle the Payroll activity. It is designed to replace an existing manual

record system thereby reducing time taken for calculations and for storing data.

.The system is strong enough to withstand regressive daily operations under conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports.