PART-A (About 2-3 Pages)

# Format for Micro-Project Proposal For 1st to 4th Semester

Title of Micro Project: Salary management system

1.0 Brief Introduction: The salary management system is a tool that incorporates an organized payroll system. It automates the basic payroll processes to help organizations be more efficient. The salary management system is usually part of a buffer system that aims to automate other tasks.

2.0 Aim of the Micro Project :- **To make salary management system using Java language**

3.0 Action Plan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.  No. | Details of Activity | Planned Start Date | Planned Finish Date | Name of Responsible Team Members |
| **1** | **Formation of group** | **1st week** | **1st week** |  |
| **2** | **Allocation of project** | **2nd week** | **2nd week** |  |
| **3** | **Searching of project** | **3rd week** | **3rd week** |  |
| **4** | **Study of the topic** | **4th week** | **4th week** |  |
| **5** | **Learning the related content** | **5th week** | **5th week** |  |
| **6** | **Design of microproject** | **6th week** | **6th week** |  |
| **7** | **Preparing the first draft of microproject** | **7th week** | **7th week** |  |
| **8** | **Revised, evaluated and edited** | **8th week** | **8th week** |  |
| **9** | **Prepared the Final report** | **9th week** | **9th week** |  |
| **10** | **Submission day** | **10th week** | **10th week** |  |

**Annexure-IA**

PART-B

# For 1st to 4th Semester

Title of Micro Project: Salary management system

1. Brief Description:The salary management system is a tool that incorporates an organized payroll system. It automates the basic payroll processes to help organizations be more efficient. The salary management system is usually part of a buffer system that aims to automate other tasks.

2.0 Aim of Micro Project: **To make salary management system using Java language**

3.0 Course Outcomes Integrated – Implementation of Java language

4.0 Actual Procedure followed -

* **Explored related content**
* **Compiled the content in the desired manner**
* **Prepared the first draft**
* **Revised and evaluated the content**
* **Prepared the final draft**

5.0 Actual resources used:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr no. | Name of resources | specification | Quantity | Remarks |
| 1 | **Computer** |  |  |  |
| 2 | **Software** |  |  |  |
| 3 | **Wi-Fi** |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |

6.0 code and output of the Micro Projects: -

CODE:

import java.util.Scanner;

import java.io.IOException;

public class SalaryManagementSystem {

// Declaring ANSI\_RESET so that we can reset the color

public static final String ANSI\_RESET = "\u001B[0m";

public static final String ANSI\_BLACK = "\u001B[30m";

public static final String ANSI\_RED = "\u001B[31m";

public static final String ANSI\_GREEN = "\u001B[32m";

public static final String ANSI\_YELLOW = "\u001B[33m";

public static final String ANSI\_BLUE = "\u001B[34m";

public static final String ANSI\_PURPLE = "\u001B[35m";

public static final String ANSI\_CYAN = "\u001B[36m";

public static final String ANSI\_WHITE = "\u001B[37m";

// Declaring the background color

public static final String ANSI\_BLACK\_BACKGROUND = "\u001B[40m";

public static final String ANSI\_RED\_BACKGROUND = "\u001B[41m";

public static final String ANSI\_GREEN\_BACKGROUND = "\u001B[42m";

public static final String ANSI\_YELLOW\_BACKGROUND = "\u001B[43m";

public static final String ANSI\_BLUE\_BACKGROUND = "\u001B[44m";

public static final String ANSI\_PURPLE\_BACKGROUND = "\u001B[45m";

public static final String ANSI\_CYAN\_BACKGROUND = "\u001B[46m";

public static final String ANSI\_WHITE\_BACKGROUND = "\u001B[47m";

// Bold High Intensity

public static final String BLACK\_BOLD\_BRIGHT = "\033[1;90m"; // BLACK

public static final String RED\_BOLD\_BRIGHT = "\033[1;91m"; // RED

public static final String GREEN\_BOLD\_BRIGHT = "\033[1;92m"; // GREEN

public static final String YELLOW\_BOLD\_BRIGHT = "\033[1;93m";// YELLOW

public static final String BLUE\_BOLD\_BRIGHT = "\033[1;94m"; // BLUE

public static final String PURPLE\_BOLD\_BRIGHT = "\033[1;95m";// PURPLE

public static final String CYAN\_BOLD\_BRIGHT = "\033[1;96m"; // CYAN

public static final String WHITE\_BOLD\_BRIGHT = "\033[1;97m"; // WHITE

public static void main(String[] args) throws IOException, InterruptedException

{

// Create a Scanner object to read input

Scanner sc = new Scanner(System.in);

// Define variables to hold employee details and salary information

String employeeName;

int employeeId;

double basicSalary, grossSalary, netSalary, da, hra, pf, tax, allowance;

System.out.print("\033[1;93m" + "Enter employee name: ");

employeeName = sc.nextLine();

System.out.println("\u001B[0m");

System.out.print("\033[1;92m" + "Enter employee ID: ");

employeeId = sc.nextInt();

System.out.println("\u001B[0m");

System.out.print("\033[1;91m" + "Enter basic salary: " + "\u001B[0m");

basicSalary = sc.nextDouble();

System.out.println("\u001B[0m");

// Clear the screen

new ProcessBuilder("cmd", "/c", "cls").inheritIO().start().waitFor();

// Calculate the gross salary

da = 0.5 \* basicSalary;

hra = 0.25 \* basicSalary;

allowance = 0.2 \* basicSalary;

grossSalary = basicSalary + da + hra + allowance;

// Calculate the net salary

pf = 0.12 \* basicSalary;

tax = 0.1 \* grossSalary;

netSalary = grossSalary - pf - tax;

// Print the employee details and salary information

System.out.println(" ");

System.out.println(

"\033[0;105m" + "==========The Employee Details And Salary Information==========" + "\u001B[0m");

System.out.println(" ");

System.out.println("\u001B[0m");

System.out.println("\033[1;92m"+"Employee name: " + "\033[4;37m" + employeeName);

System.out.println("\u001B[0m");

System.out.println("\033[1;93m" + "Employee ID: " + "\033[4;37m" + employeeId);

System.out.println("\u001B[0m");

System.out.println( "\033[1;91m"+"Basic salary: Rs." + String.format("\033[4;37m" + "%.2f", basicSalary));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"DA: Rs." + String.format("\033[4;37m" + "%.2f", da));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"HRA: Rs." + String.format("\033[4;37m" + "%.2f", hra));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"Allowance: Rs." + String.format("\033[4;37m" + "%.2f", allowance));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"Gross salary: Rs." + String.format("\033[4;37m" + "%.2f", grossSalary));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"PF: Rs." + String.format("\033[4;37m" + "%.2f", pf));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"Tax: Rs." + String.format("\033[4;37m" + "%.2f", tax));

System.out.println("\u001B[0m");

System.out.println("\033[1;94m"+"Net salary: Rs." + String.format("\033[4;37m" + "%.2f", netSalary));

}

}

OUTPUT:

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

7.0 Skill Developed/Learning out of this Micro Project:-

* **Emphasis on Personality development in general and Communication skills in particular**
* **Emphasis on Business Communication Skills**
* **Emphasis on LSRW Skills**

Name of Student: **Jagannath kumbhar**

Enrolment No: **2205680665**

Name of Programme: **JPR**  Semester: IV

Course Title: information technology

Title of the Micro  **salary Management system**

Course Outcomes Achieved: Implementation of Java language

# Micro Project Evaluation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Assessment | | Product Assessment | | Total Marks 10 |
| Part-A  Project Proposal  (Mark-2) | Project  Methodology  (Mark-2) | Part-B  Project Report/  Working Model  (Marks-2) | Individual  Presentation/  Viva  (Marks-4) |
|  |  |  |  |  |

Note: Every course teacher is expected to assign marks for group evolution in first 3 columns and individual in 4th columns for each group of students as per rubrics.

Comments/Suggestions about team work/leadership/inter-personal communication (if any)

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Any other Comments:

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Name and Designation of Faculty Members

Signature:

Name of Student: HARSHIT CHAUHAN

Enrolment No: **2205680668**

Name of Programme: IF Semester: **IV**

Course Title: Information technology

Title of the Micro Project: **Salary management system**

Course Outcomes Achieved: Implementation of Java language

# Micro Project Evaluation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Assessment | | Product Assessment | | Total Marks 10 |
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Note: Every course teacher is expected to assign marks for group evolution in first 3 columns and individual in 4th columns for each group of students as per rubrics.

Comments/Suggestions about team work/leadership/inter-personal communication (if any)

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Any other Comments:

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Name and Designation of Faculty Members

Signature:

Name of Student:MUHAMMED SHAIKH

Enrolment No: **2205680669**

Name of Programme: **IF**  Semester: **IV**

Course Title: Information technology

Title of the Micro Project: **Salary management system**

Course Outcomes Achieved: Course Outcomes Achieved: Implementation of Java language

# Micro Project Evaluation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Assessment | | Product Assessment | | Total Marks 10 |
| Part-A  Project Proposal  (Mark-2) | Project  Methodology  (Mark-2) | Part-B  Project Report/  Working Model  (Marks-2) | Individual  Presentation/  Viva  (Marks-4) |
|  |  |  |  |  |

Note: Every course teacher is expected to assign marks for group evolution in first 3 columns and individual in 4th columns for each group of students as per rubrics.

Comments/Suggestions about team work/leadership/inter-personal communication (if any)

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Any other Comments:

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Name and Designation of Faculty Members

Signature: