



# FINAL Term Project

Project Name:

**Employee (Allowance) Management System**

Course Title- Software Development 1

Course Code: CSE-2340

Submitted to-

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Section: **3AM** , Semester: **3<sup>rd</sup>**

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**Employee (Allowance) Management System** is a software-based application developed in Java programming language. The project aims at serving the department of employee of a company/ varsity by computerizing the salary, allowance system. It mainly focuses on the calculation of allowance during the specified time/ occasion and the salary to be paid to employee/ offices. This computerized system will make the overall Employee Management system easy, accessible, comfortable and effective for companies.

Here, I have briefly described this project with its features and by comparing it to the conventional system of employee management.

## **Objective of Java Payroll Project- Employee (Allowance) Management System:**

- A. The main objective of the Java Project on Payroll Management System is to manage the details of Employees, Payments, Salary.
- B. It also manages all information about the Employee, Payroll and Salary Slips.
- C. The project is totally built at administrator end of things.
- D. Only the administrator is guaranteed the access.
- E. The purpose of the project is to build an application that reduces the manual work and it can be used as a school project.
- F. Functionalists provided by the Java Project on **Employee (Allowance) Management System.**

# Features:

- 1- Provides search facility such as searching for Employees, Salaries and reports.
- 2- Tracks all salaries and employee payments.
- 3- Stores all information about employees to a secure Sql database.
- 4- Generates reports using.
- 5- Manages all information of Employees.
- 6- Simple GUI.
- 7- Editing, adding, deleting and updating records couldn't be easier.
- 8- Manages all information of employees salaries.
- 9- Manages all information of employee payslips.
- 10- Manages all information of employee allowance.
- 11- Manages all information of employee Report generation.
- 12- It generates reports of all employees, Payments and salary slips.
- 13- You can easily export PDF for employee , Payroll, Payslips , Allowance and deduction records.
- 14- Save PDF to any location.

## Abstract

This report includes a development presentation of an information system for managing the staff data within a small company or organization. The system as such as it has been developed is called Employee Management System. It consists of functionally related GUI (application program) and database. The choice of the programming tools is individual and particular.

**Keywords** Information system, Database system, DBMS, parent table, child table, table fields, primary key, foreign key, relationship, sql queries, objects, classes, controls.

# Screenshots:

1



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**Employee Registration**

**Empno** ES007

**Firstname**

**Lastname**

**Address**

**Mobile**

**Salary**

**Department**

**Save**  **Cancel**

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**Employee Registration**

**Empno** ES007

**Firstname** Mahadi


**Lastname** Hasan

**Address** GEC, Chittagong

**Mobile** 01957719040

**Salary** 75000

**Department** CSE

**Save**  **Cancel**

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**Employee Registration**

**Empno** **ES007**

**Firstname**

**Lastname**

**Address**


**Mobile**

**Salary**

**Department**

**Save**  **Cancel**

Message

 Employee Insertedddd!!!!!!!

OK

: sorowarmahabub.bsc.cse.iiuc@gmail.com

Allowance

Individual


Department

— □ ×

**Allowance Type**

**Amount**

Transport



Add

Print

Close

ID	Allowance_Type	Amount	Empno
1	ExamDuty	800	ES001
2	ExamDuty	800	ES002
3	Transport	200	ES002
4	Transport	100	ES001
5	Transport	100	ES002
6	Transport	50	ES001
7	Transport	50	ES002
8	Food	25	ES003
9	ExamDuty	750	ES001
10	ExamDuty	750	ES002
11	ExamDuty	750	ES003
12	Transport	150	ES003
13	Transport	180	ES001
14	Transport	180	ES002
15	Eid	1500	ES001
16	Eid	1500	ES002
17	Eid	1500	ES003
18	Eid	1500	ES004
19	ExamDuty	800	ES004
20	Food	60	ES003
21	ExamDuty	500	ES001
22	ExamDuty	500	ES002
23	ExamDuty	500	ES003

Allowance Individual Department

**Allowance Type** ExamDuty

**Amount** 800

**Add** **Print** **Close**

**Message**

**i** Allowance Added all Employees

OK

ID	Allowance Type	Amount	Employee ID
1			001
2			002
3			002
4			001
5			002
6			001
7			002
8	Food	25	ES003
9	ExamDuty	750	ES001
10	ExamDuty	750	ES002
11	ExamDuty	750	ES003
12	Transport	150	ES003
13	Transport	180	ES001
14	Transport	180	ES002
15	Eid	1500	ES001
16	Eid	1500	ES002
17	Eid	1500	ES003
18	Eid	1500	ES004
19	ExamDuty	800	ES004
20	Food	60	ES003
21	ExamDuty	500	ES001
22	ExamDuty	500	ES002
23	ExamDuty	500	ES003



The image shows a software application window with a light gray background. At the top, there are three tabs: 'Allowance', 'Individual', and 'Department'. The 'Allowance' tab is selected. Below the tabs, there is a green rectangular area containing the following elements:

- Allowance Type:** A dropdown menu showing 'ExamDuty'.
- Amount:** A text input field containing '800'.
- Buttons:** Three buttons labeled 'Add' (pink), 'Print' (orange), and 'Close' (pink).
- Logo:** A logo of the Islamic University of Chittagong (IUC) is located on the right side of the green area.

Overlaid on the bottom right of the main window is a 'Print' dialog box. It has a title bar with a printer icon and the word 'Print'. Below the title bar are three tabs: 'General', 'Page Setup', and 'Appearance'. The 'General' tab is active. The dialog contains the following sections:

- Print Service:**
  - Name:** A dropdown menu showing 'Microsoft Print to PDF'.
  - Status:** 'Accepting jobs'.
  - Type:** (Empty field).
  - Info:** (Empty field).
  - Print To File:** A checkbox that is currently unchecked.
- Print Range:**
  - All:** A radio button that is selected.
  - Pages:** Two input fields, both containing '1', with the word 'To' between them.
- Copies:**
  - Number of copies:** A spinner box showing '1'.
  - Collate:** A checkbox that is currently unchecked.

At the bottom right of the 'Print' dialog are two buttons: 'Print' and 'Cancel'.

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Allowance

Individual

Department

— □ ×

**Empno** ES001

**Allowance Type** Transport

**Amount**

Add

Print

ID	Allowance_Type	Amount	Empno
1	ExamDuty	800	ES001
2	ExamDuty	800	ES002
3	Transport	200	ES002
4	Transport	100	ES001
5	Transport	100	ES002
6	Transport	50	ES001
7	Transport	50	ES002
8	Food	25	ES003
9	ExamDuty	750	ES001
10	ExamDuty	750	ES002
11	ExamDuty	750	ES003
12	Transport	150	ES003
13	Transport	180	ES001
14	Transport	180	ES002
15	Eid	1500	ES001
16	Eid	1500	ES002
17	Eid	1500	ES003
18	Eid	1500	ES004
19	ExamDuty	800	ES004

Allowance

Individual

Department

**Empno**

ES005

**Allowance Type**

Eid


**Amount**

100

Add

Print

Message

 Allowance Addedddd

OK

ID	Allowance	Amount	Empno
1	Transport	100	ES001
2	Transport	100	ES002
3	Transport	50	ES001
4	Transport	50	ES002
5	Food	25	ES003
6	ExamDuty	750	ES001
7	ExamDuty	750	ES002
8	ExamDuty	750	ES003
9	Transport	150	ES003
10	Transport	180	ES001
11	Transport	180	ES002
12	Eid	1500	ES001
13	Eid	1500	ES002
14	Eid	1500	ES003
15	Eid	1500	ES004
16	ExamDuty	800	ES004

Allowance

Individual

Department

Department Type

cse

cse

ETE

ELL

Allowance\_Type

Amount

Add

Print

ID	Allowance_Type	Amount	Empno
1	ExamDuty	800	ES001
2	ExamDuty	800	ES002
3	Transport	200	ES002
4	Transport	100	ES001
5	Transport	100	ES002
6	Transport	50	ES001
7	Transport	50	ES002
8	Food	25	ES003
9	ExamDuty	750	ES001
10	ExamDuty	750	ES002
11	ExamDuty	750	ES003
12	Transport	150	ES003
13	Transport	180	ES001
14	Transport	180	ES002
15	Eid	1500	ES001
16	Eid	1500	ES002
17	Eid	1500	ES003
18	Eid	1500	ES004
19	ExamDuty	800	ES004
20	Food	60	ES003
21	ExamDuty	500	ES004

Allowance

Individual

Department

Department Type

ETE

Allowance\_Type

Transport

Amount

150

Add

Print

ID	Allowance_Type	Amount	Empno
1	ExamDuty	800	ES001
2	ExamDuty	800	ES002
3	Transport	200	ES002
4	Transport	100	ES001
5	Transport	100	ES002
6	Transport	50	ES001
7	Transport	50	ES002
8	Food	25	ES003
9	ExamDuty	750	ES001
10	ExamDuty	750	ES002
11	ExamDuty	750	ES003
12	Transport	150	ES003
13	Transport	180	ES001
14	Transport	180	ES002
15	Eid	1500	ES001
16	Eid	1500	ES002
17	Eid	1500	ES003
18	Eid	1500	ES004
19	ExamDuty	800	ES004
20	Food	60	ES003
21	ExamDuty	500	ES004

Allowance Individual **Department**

**Department Type** ETE

**Allowance\_Type** Transport

**Amount** 150

**Add**

Print

**Message**

**i** Allowance Added For Department Employees

OK

ID		
8	Food	25 ES003
9	ExamDuty	750 ES001
10	ExamDuty	750 ES002
11	ExamDuty	750 ES003
12	Transport	150 ES003
13	Transport	180 ES001
14	Transport	180 ES002
15	Eid	1500 ES001
16	Eid	1500 ES002
17	Eid	1500 ES003
18	Eid	1500 ES004
19	ExamDuty	800 ES004
20	Food	60 ES003
21	ExamDuty	500 ES004

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**Developers are -**



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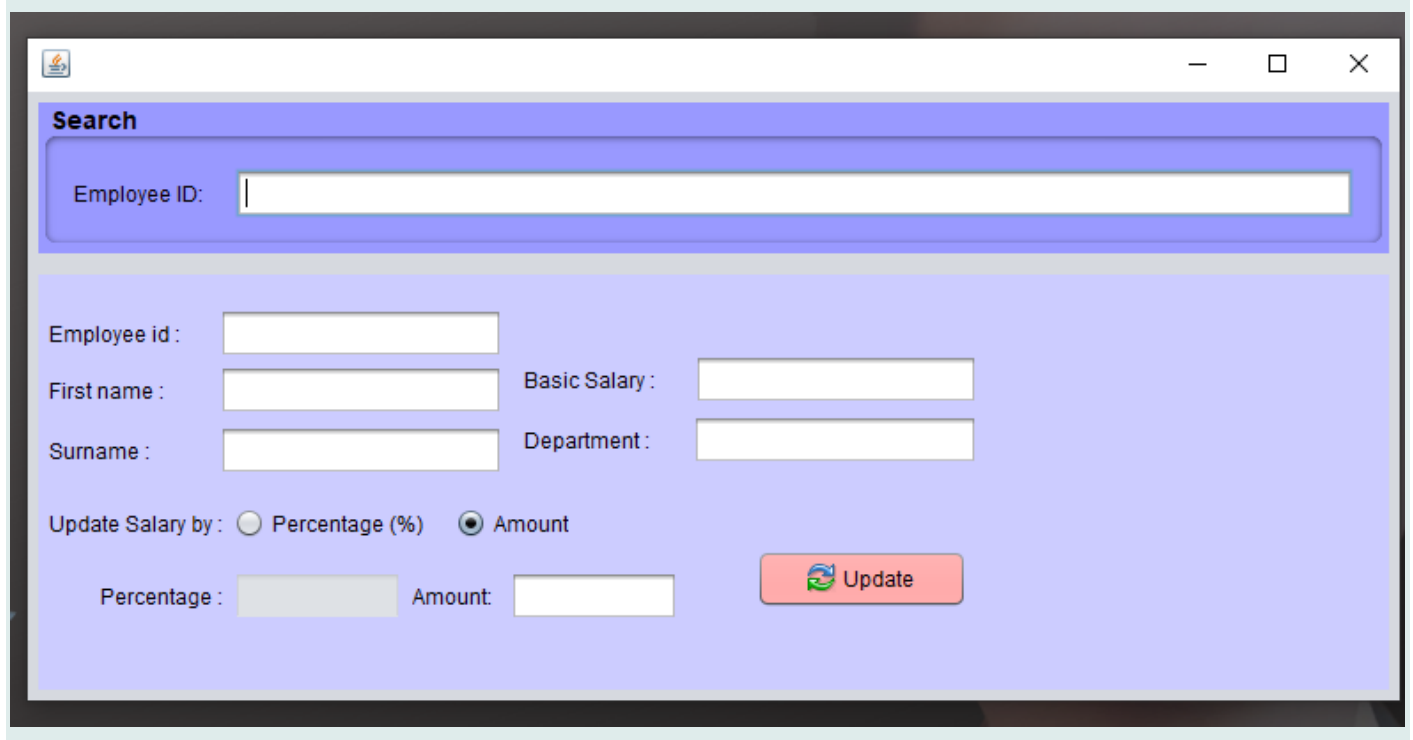
**Mostafa Asif**

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**Cancel**

il: sorowarmahabub.bsc.cse.iiuc@gmail.com

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**Search**

Employee ID:

Employee id :

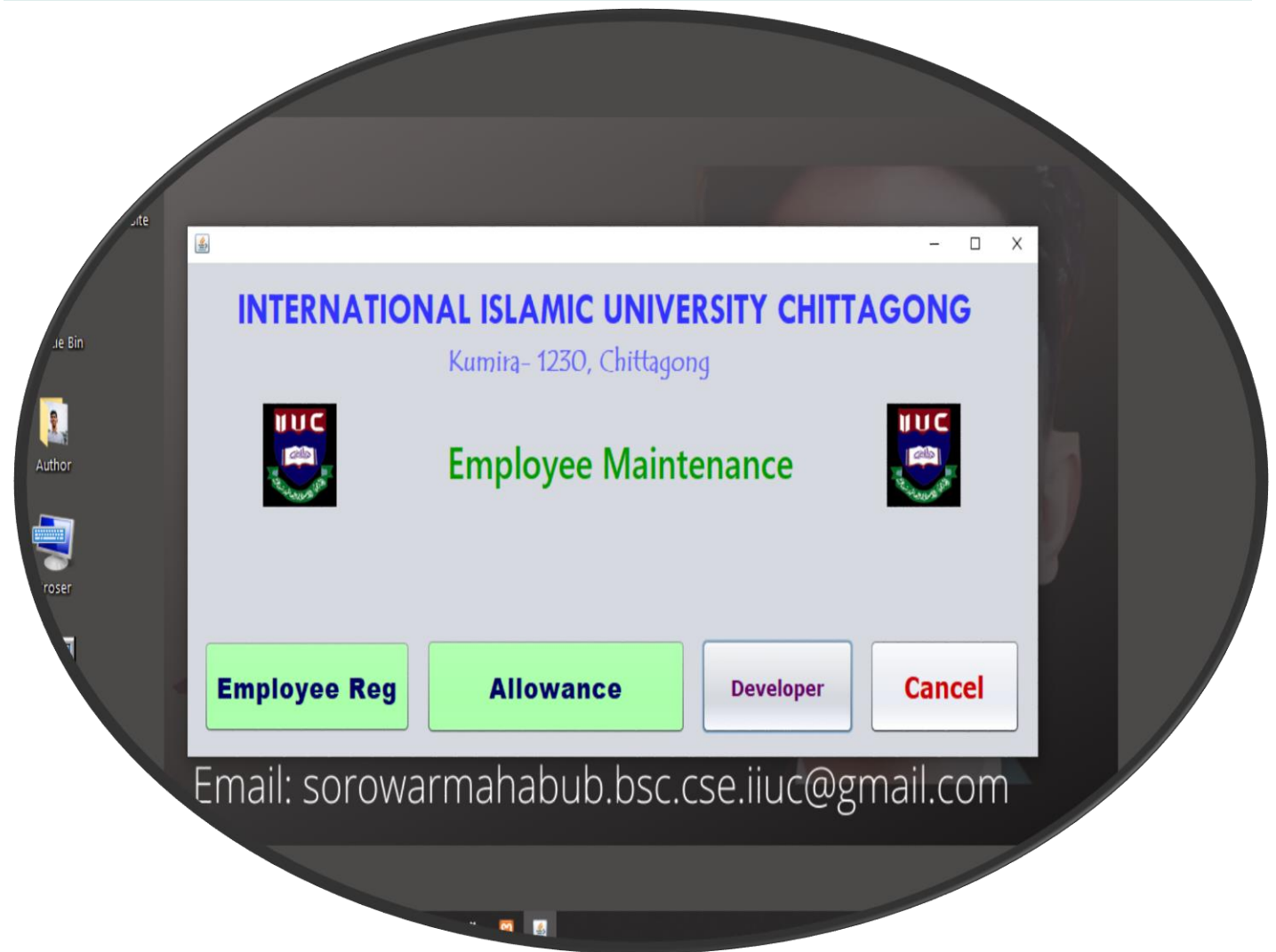
First name :  Basic Salary :

Surname :  Department :

Update Salary by : ☐ Percentage (%) ☒ Amount

Percentage :  Amount:

**Update**



## Conclusion:

Employee management that is effective understands the work, the type of person who would be a good fit for the job and the organization, empowers the employee to accomplish the job, and treats employees with respect. However, you cannot be effective unless you are well-organized. As a result, the first step is to organize your workspace.



So that completes our discussion for Employee Management System Project Proposal, Abstract, Documentation PDF and PPT. You may check the complete illustration of Diagrams, Source Codes and Documentation by clicking the titles of each explanation.

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