

DIGITLAL ALLOWANCE ESTIMATION TECHNIQUE FOR EMPLOYEE

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COMMUNICATION ENGINEERING**
NOAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY

DIGITLAL ALLOWANCE ESTIMATION TECHNIQUE FOR EMPLOYEE

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**This Project is submitted in fulfillment of the requirements for the award of the degree of
Bachelor of Science in Information and Communication Engineering**

DEPARTMENT OF INFORMATION AND COMMUNICATION ENGINEERING

NOAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY

DECLARATION

I hereby declare that this project has not been submitted elsewhere for the requirement of any kind of Degree, Diploma or Publication.

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Dept. of ICE
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Session: 2013-2014
Year: 4th Term: 2nd

ACCEPTANCE

This project is submitted to the Dept. of Information and Communication Engineering of Noakhali Science and Technology University in partial fulfillment of the requirement for having the B.Sc. in Information and Communication Engineering (ICE).

(Professor Dr. Md. Ashikur Rahman Khan)
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ABSTRACT

Estimate Allowance is a computerized system designed and programmed to calculate remuneration or allowance of employees. The calculation of remunerations or allowance is very important for both management and employees. Most of organization calculates their employee's remuneration or allowance by manual system. To calculate as manual system, it is a complex process. We proposed a computerized system that overcomes all limitations of traditional system.

In this thesis, our proposed system as named Estimate Allowance will implemented for teachers. Basically, our system focuses on the calculation of teacher's allowance for taking examination.

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND STUDY

Employee remuneration refers to the reward or compensation given to employees for their work performance, for services rendered or for playing a role towards achievement of organizational objectives. It is also widely referred to as employee compensation. It's not just about reimbursing employees but also providing certain benefits that come with the job. Remuneration provides basic attraction for an employee to perform their job efficiently and effectively. Remuneration constitutes an important source of income for employees and determines their standard of living. It has an effect on the employee's productivity and work performance. Thus the amount and method of remuneration are very important for both management and employees. Organizational performance on the other hand may refer to whether or not an organization is achieving its objectives. These objectives are in terms of profitability, productivity and growth amongst others. For an organization to achieve their objectives they must have in place a sufficient and efficient human resource team. This team which comprises the employees of an organization determines how well the organization performs. It is widely suggested in human resource circles that employee remuneration affects the performance of the employees and that of an organization as whole. This relationship remains largely untested especially in developing countries like Kenya. This research will involve a study into the effects of employee remuneration on the organizational performance of five star hotels in Kenya. It will seek to establish if this relationship is indeed factual and how organizations can use it to their advantage. Data will be collected from a sample of five star hotels in Nairobi, Kenya. The hotels will be chosen on the basis of their size and performance. The purpose of this research will be to establish the effect pay incentives and other forms of remuneration on employee performance and Consequently organizational performance [1].

One of the determining factors that most people consider before accepting a job offer is employee remuneration, which includes several components. While the paycheck is usually the first detail considered, many people also want to know whether they will get benefits that include health insurance and retirement plans funded by the employer. Another type of employee remuneration that is often expected is paid time off so missing work occasionally does not mean missing part of a paycheck. In addition, some companies offer free or discounted college tuition, daycare or cell phone plans, to name a few benefits.

The most basic type of employee remuneration is monetary compensation. This often comes in the form of a salary, which usually means employees make the same amount

every month, regardless of the hours worked. Those with an hourly wage, however, are compensated for each hour on the job, so their availability and the employer's need for them both directly affect how much they make each pay period. On the other hand, those in sales often get commission, which means the

more they sell, the more money they make. Some may get a base salary in addition, while others work on commission alone.

Every institute and organization in both public and private sector have provided several types of remuneration to their employees. These remunerations or allowance calculation is a difficult task for authority of organization.

In some private or public organization, they use computer software for remunerations or allowance calculation.

University is a one kind of organization. It has several employees in both academic and administrative section. The employees of university get different types of remuneration or allowance along with their fixed salary. Such as house Rent Allowance, Dearness Allowance, Entertainment Allowance, Medical Reimbursements, Overtime Allowance etc. The calculation of remunerations or allowance is very important for both management and employees.

At this present time the allowance of teachers and employees is calculated by manually. This is a complex process, time consuming process, cost effective, can't rewrite calculation, possibility to data modification, possibility to data excluding, and rugged.

We proposed a system that overcomes the problems of traditional process. Estimate allowance is a digital system for calculating allowance of teachers and other employees. We will try our level best to develop well planned well planned and organized that make easy to calculate allowance of teachers and other employees.

Basically, we will work on the calculation of teacher's allowance for taking examination.

1.2 Problem statement

Some problem of the traditional systems are given below

- i. **Rugged:** The calculation of remuneration or allowance is rugged
- ii. **Can't Rewrite:** In traditional process, there is can't edit calculation. If there happen any mistake, here is no way to modification calculation.
- iii. **Time Consuming:** Manual calculation process take exceeding time to calculation remuneration or allowance of employees.
- iv. **Difficulty to calculation:** employees have numerous allowance factors. The calculation of those factors is difficult when using hand calculation or manual calculation.
- v. **Error Probability:** It is difficult to provide accuracy for mountainous calculation by manual process.
- vi. **Analog System:** In present era, everything is converting as digital system. The calculation of remuneration or allowance still analog.

1.3 RESEARCH OBJECTIVES

The main objectives of the proposed system are given below

- i. To enhance high accuracy level. All operation would be done correctly.
- ii. To make highly reliable system.
- iii. To reduce time for calculation
- iv. To reduce cost and improve better service than manual system.
- v. To provide easiest way to operate
- vi. To develop well planned and organized system.

CHAPTER 2

LITERATURE REVIEW

In here different related works are described in short. All the required and related factors within this system deployment process are noted here. The followings are discussed, different types of allowance estimate for teachers and organizational employees.

I) Work: Check your teacher salary against the 2017-18 pay scales with our calculator [9].

The work focus on: As a UK teacher your salary will most likely be influenced by the national teachers' pay scale. Although not all schools are legally obliged to implement the pay scales, many still use them to guide their own pay structure. You can check your current salary using our pay scale calculator. There are separate pay scales for unqualified teachers, qualified classroom teachers, qualified teachers on the upper pay range and leadership. Your pay will also depend on whether you work in inner London, outer London, the London fringe area or elsewhere in England or Wales.

II) Work: Estimate Your Annual Allowance [10].

The work focus on: You can use this system to work out whether you may be affected by an annual allowance charge and have to complete a tax return for tax years up to and including 2014 to 2015. If you are affected it will recommend you go on to use the pensions savings annual allowance calculator.

III) Work: NWS Benefits Calculator [11].

The works focus on: The teach.NSW benefits calculator requires entry of some personal information. This information is not retained or tracked. Please note that the results provided by the calculator are indicative only.

IV) Work: Maryland State Retirement and Pension System [12].

The work focus on: This benefits estimator ("estimator") is provided for illustration only, and is not an official means of determining the actual amount of benefits that you may be due. The Maryland State Retirement and Pension System, State Retirement Agency, and Board of Trustees ("System") retain no record of the estimates produced by this estimator. This estimator's output is based only on information provided by you, and does not include any information contained in System records. The results produced by the estimator is not intended to constitute a representation binding on the System, and any error in the calculations made or the data inputted is subject to correction. The actual benefits you may be entitled to receive will be based on your actual membership data as contained in System records, and will be calculated under the provisions of the applicable law in effect at the time of your retirement

Chapter 3

METHODOLOGY

3.1 BACKGROUND

The following steps will be followed to develop the proposed system.

- I) **Presentation Layer:** This section visualizes the system for user who wants to calculate allowance. Here, the system provides several input field for calculation. User can fill this input field for their desire calculation.
- II) **Data Access Layer:** This section allows create, read, update and delete data for system.

3.2 SOFTWARE DEVELOPMENT MODEL

In our system, we use v-model for software development process .Every time we do some task and test the task that is working properly or not.

The various phases of the V-model are as follows:

Requirements like BRS and SRS begin the life cycle model just like the waterfall model. But, in this model before development is started, a system test plan is created. The test plan focuses on meeting the functionality specified in the requirements gathering.

The high-level design (HLD) phase focuses on system architecture and design. It provide overview of solution, platform, system, product and service/process. An integration test plan is created in this phase as well in order to test the pieces of the software systems ability to work together.

The low-level design (LLD) phase is where the actual software components are designed. It defines the actual logic for each and every component of the system. Class diagram with all the methods and relation between classes comes under LLD. Component tests are created in this phase as well.

The implementation phase is, again, where all coding takes place. Once coding is complete, the path of execution continues up the right side of the V where the test plans developed earlier are now put to use.

Coding: This is at the bottom of the V-Shape model. Module design is converted into code by developers. Unit testing is performed by the developers on the code written by them.

Maintenance: Maintenance in software engineering is the modification of a software product after delivery to correct faults, to improve performance or other attributes.

A common perception of maintenance is that it merely involves fixing defects. However, one study indicated that over 80% of maintenance effort is used for non-corrective actions. This perception is perpetuated by users submitting problem reports that in reality are functionality enhancements to the system. More recent studies put the bug-fixing proportion closer to 21%

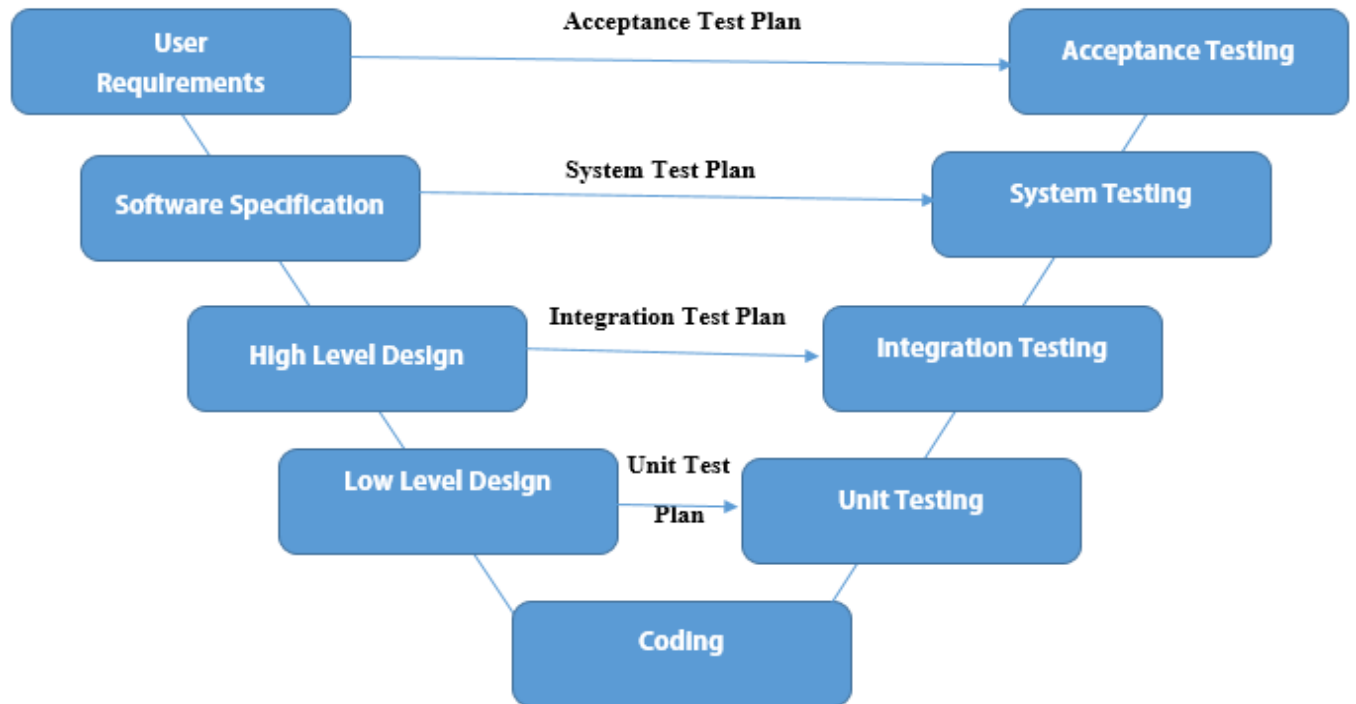


Figure-3.1: V-Model

3.3 DATAFLOW DIAGRAM

A data flow diagram shows the way information flows through a process or system. It includes data inputs and outputs, data stores, and the various sub processes the data moves through. DFDs are built using standardized symbols and notation to describe various entities and their relationships.

Data flow diagrams visually represent systems and processes that would be hard to describe in a chunk of text. You can use these diagrams to map out an existing system and make it better or to plan out a new system for implementation. Visualizing each element makes it easy to identify inefficiencies and produce the best possible system.

Some of the main data flow diagrams are given below

3.3.1 BASIC DIAGRAM: This diagram reflects overall view of our proposed system.

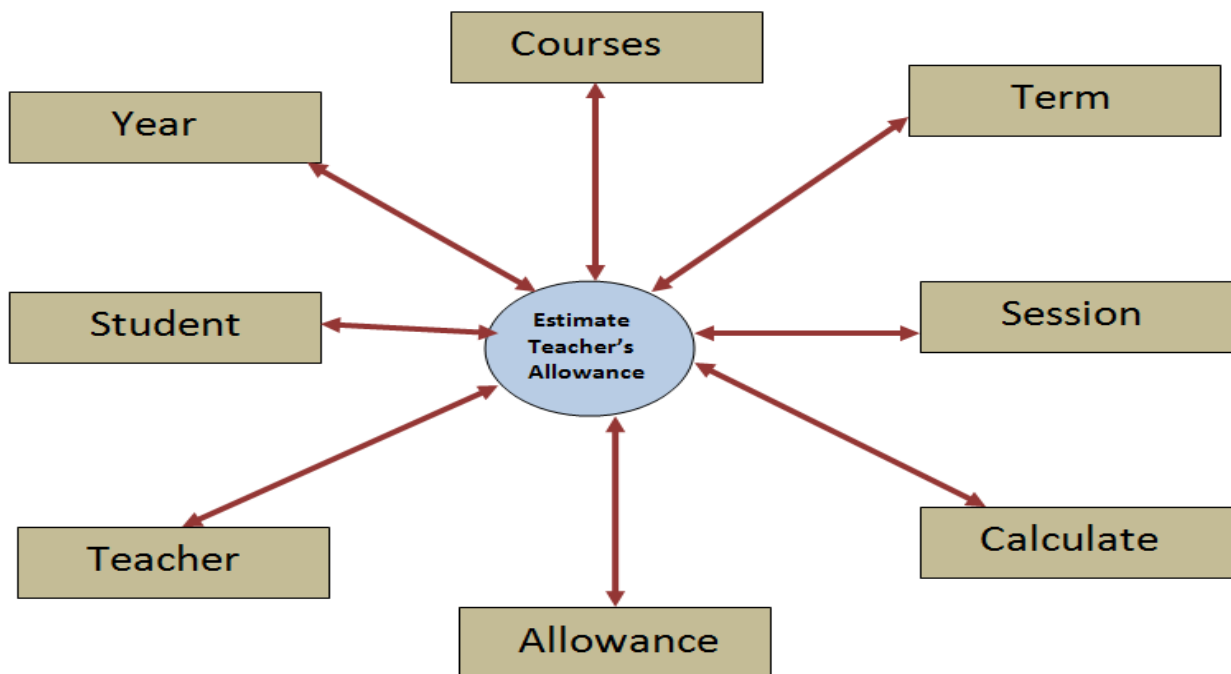


Figure-3.2: Basic Diagram of Estimate Teacher's Allowance

3.3.2 E-R DIAGRAM

An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how “entities” relate to each other within a system. ER Diagrams are most often used to design or debug relational databases in the fields of software engineering, business information systems, education and research. The ER diagram of our proposed system (Estimate Allowance) is given below.

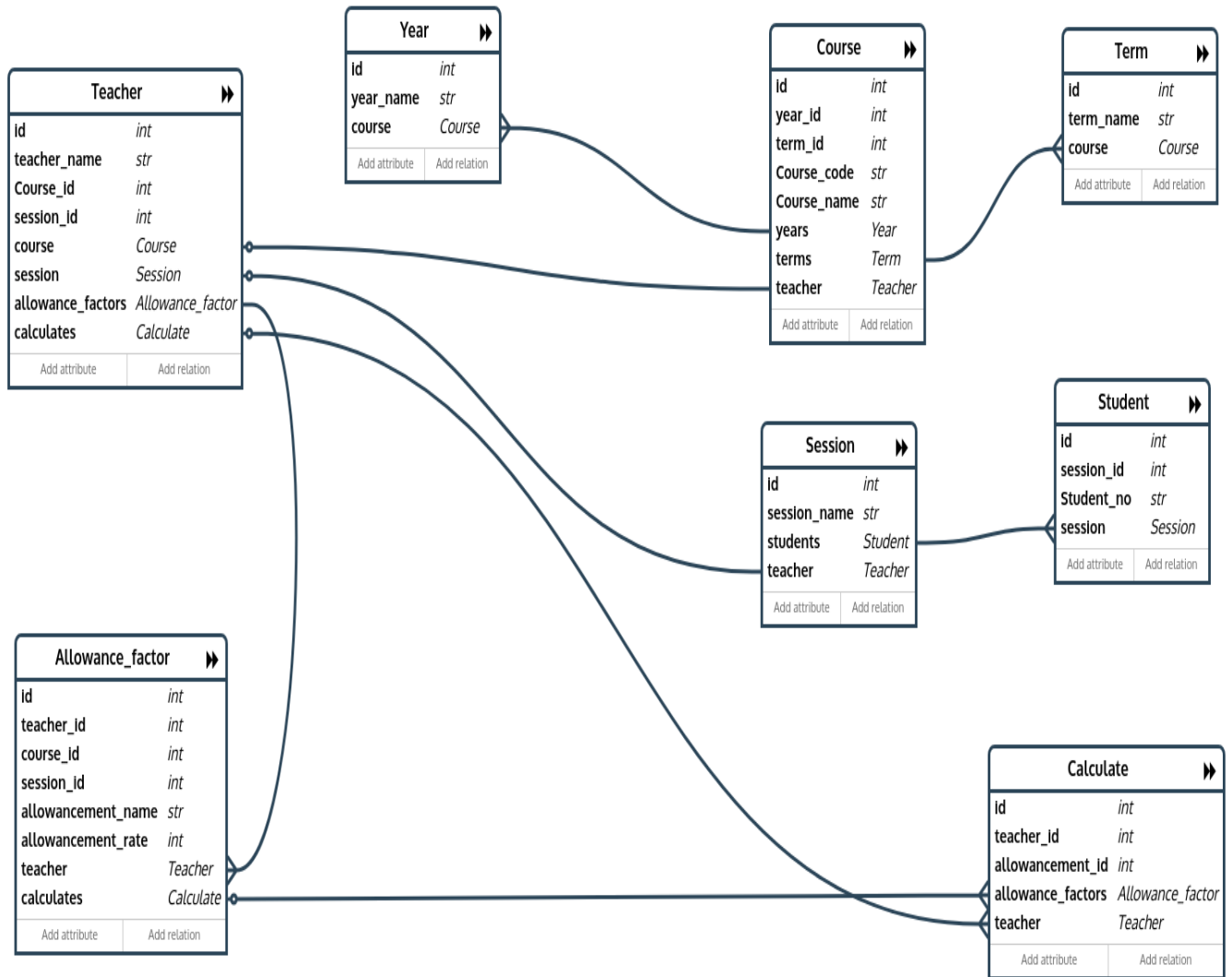


Fig-3.3: ER diagram of Estimate Teacher's Allowance

3.3.3 DFD 0-LEVEL DIAGRAM

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD is often used as a preliminary step to create an overview of the system without going into great detail, which can later be elaborated. DFDs can also be used for the visualization of data processing.

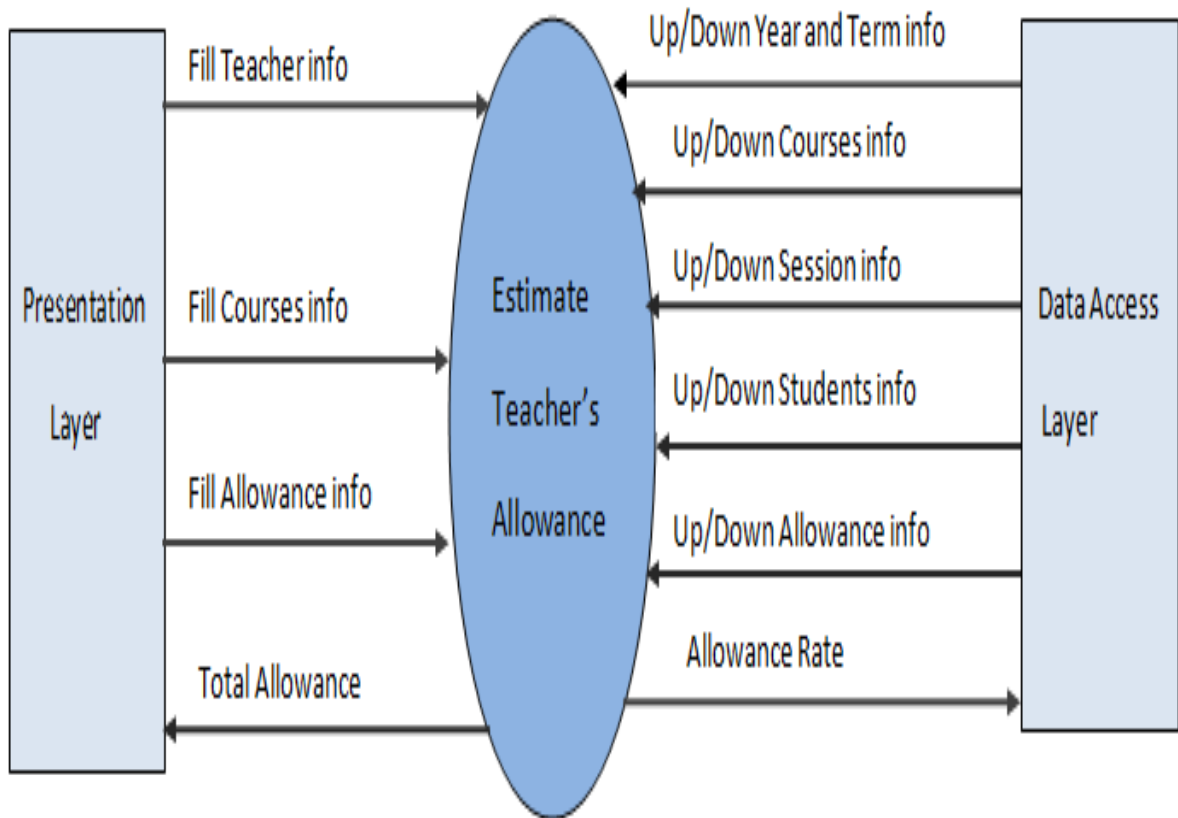


Figure-3.4: DFD 0-level diagram of Estimate teacher's Allowance

3.4 TESTING

One of the purposes of the testing is to validate and verify the system. Verification means checking the system to ensure that it is doing what the function is supposed to do and Validation means checking to ensure that system is doing what the user wants it to do.

No program or system design is perfect; communication between the user and the designer is not always complete or clear, and time is usually short. The result is errors and more errors. Theoretically, a newly designed system should have all the pieces in working order, but in reality, each piece works independently. Now is the time to put all the pieces into one system and test it to determine whether it meets the user's requirements. This is the best chance to detect and correct errors before the system is implemented. The purpose of system testing is to consider all the likely variations to which it will be subjected and then push the system to its limits

3.4.1 LEVELS OF TESTING

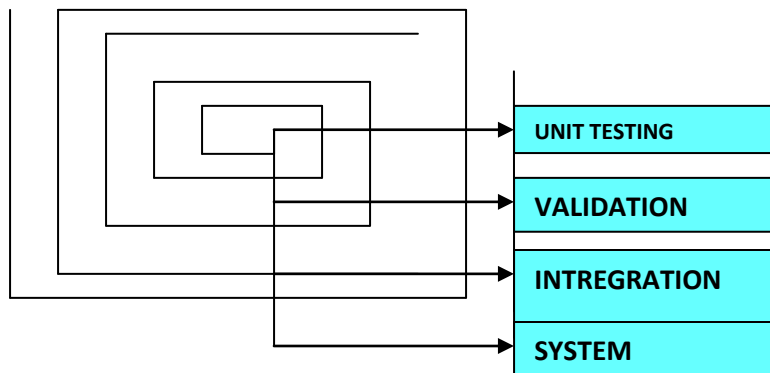


Figure-3.5: Levels of Testing

UNIT TESTING

This is the smallest testable unit of a computer system and is normally tested using the white box testing. The author of the programs usually carries out unit tests.

VERIFICATION AND VALIDATION

The objectives of verification, validity activities are to assess and improve the quality of the work products generated during development and modification of the software. Quality depends upon the various attributes like correctness, completeness, consistency, reliability, usefulness, usability, efficiency and conformance to standards.

INTEGRATION TESTING

In integration testing, the different units of the system are integrated together to form the complete system and this type of testing checks the system as whole to ensure that it is doing what is supposed to do. The testing of an integrated system can be carried out top-down, bottom-up, or big-bang. In this type of testing, some parts will be tested with white box testing and some with black box testing techniques. This type of testing plays very important role in increasing the systems productivity. We have checked our system by using the integration testing techniques.

SYSTEM TESTING

A part from testing the system to validate the functionality of software against the requirements, it is also necessary to test the non-functional aspect of the system. Some examples of non-functional tools include tests to check performance, data security, usability/user friendliness, volume, load/stress that we have used in our project to test the various modules.

3.5 TECHNOLOGIES

The following tools are needed to implement this system

3.5.1 DEVELOPMENT TOOLS

- Development environment : Windows, Linux, Smart phone
- Design tools : Adobe Photoshop, Microsoft Paint.
- Front end : HTML5, CSS3, Twitter Bootstrap-4, JavaScript, JQuery etc.
- Back end : PHP (Laravel 5.4), My SQL
- IDE : Visual Studio Code
- Compatible browsers: : Mozilla 43+, Chrome: 38+, IE 50+

3.5.2 SERVER REQUIREMENTS

- Operating System : Windows, Linux
- Web Server : Apache/NGINX
- PHP Version : Minimum 5.6
- My SQL version : Minimum 5.0
- RAM : Minimum 4 GB
- Storage : Minimum 10 GB
- Bandwidth : Minimum 5 GB/mont

3.6 WORK SCREENSHOT

Some of my work's screenshot are given in below.

3.6.1 YEAR AND TERM

Insert Year and Term

Year & Term

Submit

Fig-3.6.1: Form of year and term

   	id	name	created_at	updated_at
☐  Edit  Copy  Delete	1	Y-1 T-I	NULL	NULL
☐  Edit  Copy  Delete	2	Y-1 T-II	NULL	NULL
☐  Edit  Copy  Delete	3	Y-2 T-I	NULL	NULL
☐  Edit  Copy  Delete	4	Y-2 T-II	NULL	NULL
☐  Edit  Copy  Delete	5	Y-3 T-I	NULL	NULL
☐  Edit  Copy  Delete	6	Y-3 T-II	NULL	NULL
☐  Edit  Copy  Delete	7	Y-4 T-I	NULL	NULL
☐  Edit  Copy  Delete	8	Y-4 T-II	NULL	NULL
☐  Edit  Copy  Delete	9	Y-5 T-I	NULL	NULL
☐  Edit  Copy  Delete	10	Y-5 T-II	NULL	NULL

Fig-3.6.2: Data of year and term

3.6.2 DATA OF COURSE

Insert Course Information

Year & Term

--Select year & term --

Coure Title

Enter The Course Title

Course Code

Enter The Course Code

Submit

Fig-3.6.3 Form of inserting courses

			id	name	course_code	id_semister	created_at	updated_at
			1	Information technology Fundamental	ICE-1101	1	NULL	NULL
			2	Electrical Circuit	ICE-1103	1	NULL	NULL
			3	Introduction to Programming Environment	ICE-1105	1	NULL	NULL
			4	Physics	PHY-1103	1	NULL	NULL
			5	Economics	HUM-1105	1	NULL	NULL
			6	Technical And Communication English	ENG-1109	1	NULL	NULL
			7	Differential and Integral Calculas	MATH-1111	1	NULL	NULL
			8	Information Technology Fundamental Lab	ICE-1102	1	NULL	NULL
			9	Electrical Circuit Lab	ICE-1104	1	NULL	NULL
			10	Engineering Drawing (Lab)	ICE-1108	1	NULL	NULL
			11	Electronics -I	ICE-1201	2	NULL	NULL
			12	Discrete Mathematics	ICE-1203	2	NULL	NULL
			13	Computer Programming with C	ICE-2103	2	NULL	NULL
			14	Financial And Managerial Accounting	HUM-1207	2	NULL	NULL
			15	Linear Algebra,Geometry and Trigonometry	MATH-1211	2	NULL	NULL
			16	Electronics-I Lab	ICE-1202	2	NULL	NULL
			17	Programming with C Lab	ICE-1206	2	NULL	NULL
			18	Seminar/Viva-Voce	ICE-1200	2	NULL	NULL

Fig-3.6.4: Data of Courses

3.6.4 SESSION INFORMATION

Insert Session information

Session

Enter the Year and Term

Number of Student

Enter Number of students

Submit

Fig-3.6.5: Form of inserting session information

				id	name	students	created_at	updated_at
☐	 Edit	 Copy	 Delete	1	2012-13	48	NULL	NULL
☐	 Edit	 Copy	 Delete	2	2013-14	61	NULL	NULL
☐	 Edit	 Copy	 Delete	3	2014-15	60	NULL	NULL
☐	 Edit	 Copy	 Delete	4	2015-16	50	NULL	NULL
☐	 Edit	 Copy	 Delete	5	2016-17	50	NULL	NULL
☐	 Edit	 Copy	 Delete	6	2017-18	50	NULL	NULL
☐	 Edit	 Copy	 Delete	7	2018-19	50	NULL	NULL

Fig: 3.6.6: Data of Sessions

3.6.7 USER INTERFACE OF PROPOSED SYSTEM

This section is show for user to calculation. It contains numerous input fields where user cans entry information for their calculation.



Noakhali Science and Technology University
Noakhali-3814, Bangladesh

Allowance Calculation

Teacher Name

Designation

Department

Session

Year & Term

Course

Class Test 1

Number of Students

Activate Window
Go to Settings to activ

Class Test 2

Number of Students

Class Test 3

Number of Students

Lab

Viva-voce

Question Formulation

Question Moderation

Question Preparation

Term Final Answer Script Evaluation

Activate Window
Go to Settings to activ

Thesis/Project Students Supervision

Enter Number of Students

Thesis/Project Report Evaluation

Enter Number of Students

Thesis/Project Presentation

Enter Number of Students

Scrutinizing

Enter Number of Students

Result Tabulation

Enter Number of Students

Examination Committee

--Select Option--

Activate Window

Go to Settings to activ

Calculate

Fig-3.6.7: User interface of system

CHAPTER 4

RESULT AND DISCUSSION

Our proposed system provides well decorated and accurate calculation of employee's remuneration or allowance. The result shows as PDF format that easily download and print for further use.

Our Proposed system shows the all types of allowance against employees, allowance rate, and total amount of allowance.

The calculation of allowance is converted into PDF format from traditional calculation.



Noakhali Science and Technology University

Noakhali-3814, Bangladesh

Allowance Calculation

Teacher Name

Dr. Ashikur Rahman Khan

Designation

Professor

Department

ICE

Session

2013-14

Year & Term

Y-3 T-I

Course

ICE-3105 Operating System

Class Test 1

Number of Students

60

Activate Windows
Go to Settings to activate Windows.

Class Test 2

Number of Students

60

Class Test 3

Number of Students

55

Lab

2

Viva-voce

60

Question Formulation

3

Question Moderation

4

Question Preparation

3

Term Final Answer Script Evaluation

60

Thesis/Project Students Supervision

7

Thesis/Project Report Evaluation

7

Thesis/Project Presentation

7

Scrutinizing

60

Result Tabulation

60

Examination Committee

Chairman

Calculate

Activate Windows
Go to Settings to activate Windows.

Activate Windows
Go to Settings to activate Windows.

Fig-4.1: our proposed system while calculation

The input field of Teacher name take input of teacher's name who conduct a course. The Designation field takes input the designation of a teacher that he carried. The Department field takes the name of department that we want to calculate remuneration of teachers. The Session field allows the select option of running session. A user can select session by his own desire where he want to calculate remuneration. The Year & Term field allows the select option of all year and term. A user can select year and term by his own desire where he want to calculate remuneration. The Course field allow the select option of all courses of a department. A user can select course according to selected year and term.

There are three field for class test. every field takes the number of students who attend in the class test examinations. The number of student multiply with the rate of taking class test. The Lab field takes the duty of day that teachers conducted viva for course. The number of duty day multiply with the rate of conducting lab. The Viva-Voce field takes the number of students that teachers takes viva of students. The university allocates a amount for each students. The number of students multiply with the rate of taking viva of each student.

The Question Formulation field takes the examination duration of a courses. The university allocates remuneration for different volume of examination time. The examination duration of a course multiply with the allocated rate of that. The Question Moderation field takes the examination duration of a courses. The university allocates remuneration for different volume of examination time. The examination duration of a course multiply with the allocated rate of that. The Question Preparation field takes the examination duration of a courses. The university allocates remuneration for different volume of examination time. The examination duration of a course multiply with the allocated rate of that.

The Term Final Answer Script Evaluation field takes the number of students who attended in the final examination of a course. The university allocates a amount for each students. The number of students multiply with the rate of evaluation term final answer script of each student.

The Thesis/Project Student Supervision field takes the number of students that a teacher supervised. The university allocate a remuneration for each student. The number of students multiply with the allocated remuneration. The Thesis/Project Student Evaluation field takes the number of students that a teacher supervised. The university allocate a remuneration for each student. The number of students multiply with the allocated remuneration. The Thesis/Project Student Presentation field takes the number of students that a teacher supervised. The university allocate a remuneration for each student. The number of students multiply with the allocated remuneration.

The Scrutinizing field takes the number of students that a teacher supervised. The university allocate a remuneration for each student. The number of students multiply with the allocated remuneration. The Tabulation field takes the number of students that a teacher supervised. The university allocate a remuneration for each student. The number of students multiply with the allocated remuneration.

The Examination Committee field allows the roles of examination committee. The university allocate a remuneration for each role.



Noakhali Science and Technology University

Noakhali-3814,Bangladesh

Allowance Calculation

Teacher's Name: Dr. Ashikur Rahman Khan

[Print this page](#)

Degisnation: Professor

Department: ICE

Session: 2013-14

Course Code and Title: ICE-3105 Operating System

Year and Term: Y-1 T-II

Class Test 1	60	3000
Classs Test 2	60	3000
Classs Test 3	55	2750
Lab	2	2400
Viva-Voce	60	3600
Question Formulation	3	1350
Question Moderation	4	2000
Question Preparation	3	200
Term Final Answer Script Evalution	60	5400
Thesis/Project Students Supervision	7	10500
Thesis/Project Report Evalution	7	21000
Thesis/Project Report Presentation	7	1050
Tabulation	60	3000
Scrutinizing	60	1200
Exam Committe	chairman	3000
Total		BDT 63450 tk

Fig-4.2: Result page of our proposed system

Our proposed system provides well decorated and accurate calculation of employee's remuneration or allowance. The result shows as PDF format that easily download and print for further use.

Our Proposed system shows the all types of allowance against employees, allowance rate, and total amount of allowance. The result page allows save as PDF format for further uses.

CHAPTER 5

CONCLUSION AND FUTURE WORK

5.1 Conclusion

In this research, our proposed system as named Estimate Allowance, we implemented for teachers. Basically, our system focuses on the calculation of teacher's allowance for taking examination.

5.2 Future Work

To improve our proposed system, we will provide business value. Our system will prepare for any organization where they are able to calculate remuneration or allowance of their employees. If any organization wants to take our system, we will provide our system in return for the money. If anyone or any organization wants to use our system for calculation remuneration of their employee's in our server, they would pay for getting access to calculation. For first using, they are able to calculation without pay.

We will add feature in our system, where user can edit, save, preview and check their calculation.

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APPENDIX

```
<?php
```

```
use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;
```

```
class CreateSessionsTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('sessions', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name');
            $table->integer('students');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {

```

```

        Schema::dropIfExists('sessions');
    }
}

//Subject
<?php

use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

class SemesterSubjectTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('semesters', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name');
            $table->timestamps();
        });

        Schema::create('subjects', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name');
            $table->string('course_code');
            $table->integer('id_semester')->unsigned();
            $table->foreign('id_semester')->references('id')->on('semesters')->onDelete('cascade');
            $table->timestamps();
        });
    }

    /**

```

```

    * Reverse the migrations.
    *
    * @return void
    */
    public function down()
    {
        //
    }
}

```

```

//Result
<?php

```

```

use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

```

```

class CreateResultsTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('results', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name');
            $table->string('designation');
            $table->string('dept');
            $table->string('session_id');
            $table->string('id_semister');
            $table->string('id_subject');
            $table->integer('ct_1')->nullable();
            $table->integer('ct_2')->nullable();
            $table->integer('ct_3')->nullable();
        });
    }
}

```

```

        $table->string('lab')->nullable();
        $table->string('viva')->nullable();
        $table->integer('question')->nullable();
        $table->integer('question_compos')->nullable();
        $table->integer('question_modarate')->nullable();
        $table->integer('final_student')->nullable();
        $table->string('supervision')->nullable();
        $table->integer('evaluation')->nullable();
        $table->integer('presentation')->nullable();
        $table->string('sercetizing')->nullable();
        $table->integer('tabulation')->nullable();
        $table->string('exam_committee')->nullable();
        $table->timestamps();
    });
}

/**
 * Reverse the migrations.
 *
 * @return void
 */
public function down()
{
    Schema::dropIfExists('results');
}
}

```

FornEnd Code

```

//Session

<!doctype html>
<html lang="en">
<head>
<title>Title</title>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

```



```

        <br>
        <input type="submit" class="btn btn-success btn-block">
    </form>
</div>
</div>
</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"
integrity="sha384-
ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqBbJiSnjAK/l8WvCWPIpM49"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/js/bootstrap.min.js"
integrity="sha384-
o+RDsa0aLu++PJvFqy8fFScvbHFLtbvScb8AjopnFD+iEQ7wo/CG0xlczd+2O/em"
crossorigin="anonymous"></script>
</body>
</html>

```

//Subject

```

<!doctype html>
<html lang="en">
<head>
<title>Title</title>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/css/bootstrap.min.css"
integrity="sha384-
Smlep5jCw/wG7hdkwQ/Z5nLlefveQRIY9nfy6xoR1uRYBtpZgl6339F5dgvm/e9B"
crossorigin="anonymous">
</head>
<body>

<br>

```

```

<br>
<br>
<div class="container">

  <div class="row">

    <div class="col-md-12">
      <h1>Insert Course Information </h1>
      <hr>
      <form action="">

        <label for="">Year & Term</label>
        <select name="" id="" class="form-control">

          <option value="">--Select year & term --</option>
        </select>
        <br>

        <label for="">Coure Title</label>
        <input type="text" class="form-control" placeholder="Enter The Course Title">
        <br>
        <label for="">Course Code</label>

        <input type="text" class="form-control" placeholder="Enter The Course Code">
        <br>
        <input type="submit" class="btn btn-success btn-block">
      </form>
    </div>
  </div>
</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"
integrity="sha384-
ZMP7rVo3mlykV+2+9J3UJ46jBk0WLaUAdn689aCwoqBJiSnjAK/I8WvCWPIPM49"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/js/bootstrap.min.js"
integrity="sha384-
o+RDsa0aLu++PJvFqy8fFScvbHFLtbvScb8AjopnFD+iEQ7wo/CG0xlczd+2O/em"
crossorigin="anonymous"></script>

```

```
</body>
</html>
```

//User Interface

```
<!DOCTYPE html>
<html>
<head>
    <title>Calculate Allowance</title>
    <link rel="stylesheet" type="text/css"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>
<body>

<div class="container">

    <div class="row">
        <div class="col-md-1">
            
        </div>
        <div class="col-md-10">
            <h1 style="line-height:60%"> <b>Noakhali Science and Technology University</b> </h1>
            <h2>Noakhali-3814, Bangladesh</h2>
        </div>
    </div>

    <div class="row">
        <div class="col-md-12" style="background:#e6e6e6">
            <p style="font-size:22px;margin-top:5px;" class="text-center">Allowance Calculation</p>
        </div>

    </div>
    <div class="row">
        {!! Form::open(['action'=>'ResultController@store','files'=>true]) !!}

    <br>

    <div class="form-group">
        {!! Form::label('Teacher name') !!}
        <input type="text" name="name" class="form-control" required>
```

</div>

```
<div class="form-group">
  {!! Form::label('Designation') !!}
  <select name="designation" id="" class="form-control">
    <option value="">--Select Designation--</option>
    <option value="Lecturer">Lecturer</option>
    <option value="Assistanat Professor">Assistanat Professor</option>
    <option value="Associate Professor">Associate Professor</option>
    <option value="Professor">Professor</option>
  </select>
</div>
```

```
<div class="form-group">
  {!! Form::label('Department') !!}
  <select name="dept" id="" class="form-control" required>
    <option value="">--Select Department--</option>
    <option value="ICE">ICE</option>
    <option value="CSTE">CSTE</option>
    <option value="ACCE">ACCE</option>
    <option value="A.math">Applied Mathematics</option>
    <option value="MBG">Micobiology</option>
    <option value="BGE">BGE</option>
    <option value="FIMS">FIMS</option>
    <option value="Economics">Economics</option>
  </select>
</div>
```

```
<div class="form-group">
  {!! Form::label('Session') !!}
  <select name="session_id" id="" class="form-control">
    <option value="">--Select Session--</option>
    @foreach($sessions as $session)
      <option value="{{ $session->id }}">{{ $session->name }}</option>
    @endforeach
  </select>
</div>
```

```
<div class="col-4">
  <div class="form-group">
    {!! Form::label('Year & Term ') !!}
    {!! Form::select('id_semister',["=>'--- Select---']+ $semesters,null,['class'=>'form-control']) !!}
  </div>
</div>
```

```

</div>
</div>

<div class="form-group">
  <label>Course</label>
  {!! Form::select('id_subject',["=>'--- Select Course ---'],null,['class'=>'form-
control','id'=>'id_subject']) !!}
</div>

<!-- <hr> -->

<a href="#demo1" class="btn btn-info" data-toggle="collapse">Class Test 1</a>
<div id="demo1" class="collapse">
  <div class="form-group">
    <label for="">Number of Students</label>
    <input type="text" name="ct_1" class="form-control" placeholder="Enter Number of
Students">
  </div>

</div>

  <a href="#demo4" class="btn btn-info" data-toggle="collapse">Class Test 2</a>
<div id="demo4" class="collapse">
  <div class="form-group">
    <label for="">Number of Students</label>
    <input type="text" name="ct_2" class="form-control" placeholder="Enter Number of
Students">
  </div>

</div>

  <a href="#demo5" class="btn btn-info" data-toggle="collapse">Class Test 3</a>
<div id="demo5" class="collapse">
  <div class="form-group">
    <label for="">Number of Students</label>
    <input type="text" name="ct_3" class="form-control" placeholder="Enter Number of
Students">
  </div>

</div>
<br>

<div class="form-group">

```

```

    {!!Form::label('Lab')!!}
    <input type="text" name="lab" class="form-control" placeholder="Enter the nuber of
duty/day">
</div>

<div class="form-group">
    {!!Form::label('viva-voce')!!}
    <input type="text" name="viva" class="form-control" placeholder="Enter the nuber of
Students">
</div>

<div class="form-group">
    {!!Form::label('Question Preparation')!!}
    <input type="text" name="question" class="form-control" placeholder="Enter the exam
duration">
</div>

<div class="form-group">
    {!!Form::label('Term Final Answer Script Evaluation')!!}
    <input type="text" name="final_student" class="form-control" placeholder="Enter Number of
Students">
</div>

<!-- <br> <br> <br> <br> -->
<div class="form-group">
    {!!Form::label('Thesis/Project Students Supervision')!!}
    <input type="text" name="supervision" class="form-control" placeholder="Enter Number of
Students">
</div>

<div class="form-group">
    {!!Form::label('Thesis/Project Report Evaluation')!!}
    <input type="text" name="evaluation" class="form-control" placeholder="Enter Number of
Students">
</div>

<div class="form-group">
    {!!Form::label('Thesis/Project Presentation')!!}
    <input type="text" name="presentation" class="form-control" placeholder="Enter Number of
Students">
</div>

```

```

<div class="form-group">
  {!!Form::label('Scrutinizing')!!}
  <input type="text" name="sercetizing" class="form-control" placeholder="Enter Number of
Students">
</div>

```

```

<!-- <a href="#demo" class="btn btn-info" data-toggle="collapse">Scrutinizing 1</a>
<div id="demo" class="collapse">
<div class="form-group">
  <label>Subject Name:</label>
  <input type="text" name="sercetizing_sub_1" class="form-control">
</div>
<div class="form-group">
  {!!Form::label('No. Of Students')!!}
  <input type="text" name="sercetizing_student_1" class="form-control" placeholder="Enter
Number of Students">
</div>
</div> -->

```

```

<!-- <a href="#demo7" class="btn btn-info" data-toggle="collapse">Scrutinizing 2</a>
<div id="demo7" class="collapse">
<div class="form-group">
  <label>Subject Name:</label>
  <input type="text" name="sercetizing_sub_2" class="form-control">
</div>
<div class="form-group">
  {!!Form::label('No. Of Students')!!}
  <input type="text" name="sercetizing_student_2" class="form-control" placeholder="Enter
Number of Students">
</div>
</div> -->

```

```

<!-- <a href="#demo8" class="btn btn-info" data-toggle="collapse">Scrutinizing 3</a>
<div id="demo8" class="collapse">
<div class="form-group">
  <label>Subject Name:</label>
  <input type="text" name="sercetizing_sub_3" class="form-control">
</div>
<div class="form-group">
  {!!Form::label('No. Of Students')!!}
  <input type="text" name="sercetizing_student_3" class="form-control" placeholder="Enter

```

Number of Students">

</div>

</div> -->

<div class="form-group">

{!!Form::label('Result Tabulation')!!}

<input type="text" name="tabulation" class="form-control" placeholder="Enter Number of Students">

</div>

<div class="form-group">

{!! Form::label('Examination Committee') !!}

<select name="exam_committee" id="" class="form-control">

<option value="">--Select Option--</option>

<option value="chairman">Chairman</option>

<option value="member">Member</option>

</select>

</div>

<!--
 -->

<div class="form-group">

<button class="btn btn-success btn-block" type="submit">Calculate</button>

</div>

{!! Form::close() !!}

<div>

</div> <!-- end of Container -->

<script type="text/javascript">

\$("#select[name='id_semister']").change(function(){

var id_semister = \$(this).val();

var token = \$("input[name='_token']").val();

\$.ajax({

url: "<?php echo route('select-ajax') ?>",

method: 'POST',

data: {id_semister:id_semister, _token:token},

success: function(data) {

\$("#select[name='id_subject']").html("");

```

        $("select[name='id_subject']").html(data.options);
    }
    });
});
</script>

```

```

</body>
</html>

```

//Result page

```

<!doctype html>
<html lang="en">
<head>
    <title>Result</title>
    <!-- Required meta tags -->
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>

    <div class="container">
        <div class="row" style="margin-top:20px">
            <div class="col-md-2">
                
            </div>
            <div class="col-md-10">
                <h1 style="line-height:60%;margin-top:0px;"> <b>Noakhali Science
and Technology University</b> </h1>

```

```

        <h2>Noakhali-3814,Bangladesh</h2>

    </div>
    <div class="col-md-12" style="background:#e6e6e6">
        <p style="font-size:22px;margin-top:5px;" class="text-center">Allowance Calculation</p>
    </div>

</div>
<hr>

    <button onclick="myFunction()" class="btn btn-success float-right">Print this
page</button>

    <div class="row">
        <div class="col-12">
            <p>Teacher's Name:{{ $name }}</p>
            <p>{{ $degisnation }}</p>
            <p>Department of {{ $dept }}</p>
            <p>Session: {{ $session }}</p>
            <p> Course Code and Title: {{ $subject_name }} </p>
            <!-- </p> Course Code : {{ $course_code }} </p> -->
            <p> Year and Term: {{ $semester }}</p>

            <br>
            <br>
            <table class="table">

                <tbody>
                    <tr>
                        <td scope=<meta http-equiv="Content-Type" content="text/html;
charset=utf-8"/>Class Test 1</td>
                        <td></td><meta http-equiv="Content-Type" content="text/html;
charset=utf-8"/>
                        <td>{{ $ct_1 }}</td>
                        <td>{{ $amount_of_ct_1 }}</td>
                    </tr>

```

```

<tr>
  <td scope="row">Classs Test 2</td>
  <td></td>
  <td>{{ $ct_2 }}</td>
  <td>{{ $amount_of_ct_2 }}</td>
</tr>
<tr>
  <td scope="row">Classs Test 3</td>
  <td></td>
  <td>{{ $ct_3 }}</td>
  <td>{{ $amount_of_ct_3 }}</td>
</tr>

<tr>
  <td scope="row">Lab</td>
  <td></td>
  <td>{{ $lab }}</td>
  <td>{{ $amount_of_lab }}</td>
</tr>

<tr>
  <td scope="row">Question Preparation</td>
  <td></td>
  <td>{{ $question }}</td>
  <td>{{ $amount_of_question }}</td>
</tr>

<tr>
  <td scope="row">Term Final Answer Script Evalution</td>
  <td></td>
  <td>{{ $final_student }}</td>
  <td>{{ $amount_of_final }}</td>
</tr>

<tr>
  <td scope="row">Thesis/Project Students Supervision</td>
  <td></td>

```

```

        <td>{{ $supervision }}</td>
        <td>{{ $amount_of_supervision }}</td>
    </tr>

    <tr>
        <td scope="row">Thesis/Project Report Evaluation</td>
        <td></td>
        <td>{{ $evaluation }}</td>
        <td>{{ $amount_of_evaluation }}</td>
    </tr>

    <tr>
        <td scope="row">Thesis/Project Report Presentation</td>
        <td></td>
        <td>{{ $presentation }}</td>
        <td>{{ $amount_of_presentation }}</td>
    </tr>

    <tr>
        <td scope="row">Tabulation</td>
        <td></td>
        <td>{{ $tabulation }}</td>
        <td>{{ $tabulation_rate }}</td>
    </tr>

    <tr>
        <td scope="row">Scrutinizing</td>
        <td></td>
        <td>{{ $sercetizing }}</td>

        <td>{{ $amount_of_sercetizing_1 }}</td>
    </tr>

    <tr>
    <tr>
        <td scope="row">Exam Committe</td>
        <td></td>
        <td>{{ $exam_committee }}</td>
        <td>{{ $rate }}</td>

```

```

        </tr>

        <td scope="row">Total</td>
        <td></td>
        <td></td>

        <td>BDT &nbsp;{{ $total }} &nbsp;tk</td>
    </tr>
</tbody>
</table>
</div>
</div>

```

```

<script>
function myFunction() {
    window.print();
}
</script>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-1.12.3.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/jspdf/0.9.0rc1/jspdf.min.js"></script>
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
integrity="sha384-

```

```
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"  
crossorigin="anonymous"></script>  
</body>  
</html>
```

```
@section('content')
```

```
@endsection
```

```
//BackEnd Code
```

```
//Result  
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;  
use App\Result;
```

```
class ResultController extends Controller  
{  
    public function store(Request $request)  
    {  
        $result = new Result();  
        $result->name = $request->name;  
        $result->designation = $request->designation;  
        $result->dept = $request->dept;  
  
        $result->session_id = $request->session_id;  
        $result->id_semister = $request->id_semister;  
        $result->id_subject = $request->id_subject;  
  
        $result->ct_1 = $request->ct_1;
```

```

$result->ct_2 = $request->ct_2;
$result->ct_3 = $request->ct_3;

$result->lab = $request->lab;
$result->viva = $request->viva;

$result->question = $request->question;
$result->final_student = $request->final_student;

$result->supervision = $request->supervision;
$result->evaluation = $request->evaluation;
$result->presentation = $request->presentation;

$result->sercetizing = $request->sercetizing;
// $result->sercetizing_student_1 = $request->sercetizing_student_1;
// $result->sercetizing_sub_2 = $request->sercetizing_sub_2;
// $result->sercetizing_student_2 = $request->sercetizing_student_2;
// $result->sercetizing_sub_3 = $request->sercetizing_sub_3;
// $result->sercetizing_student_3 = $request->sercetizing_student_3;

$result->tabulation = $request->tabulation;
$result->exam_committee = $request->exam_committee;

$result->save();
return redirect('/show');
}
}

```

```

//Calculate Controller
<?php

```

```

namespace App\Http\Controllers;

```

```

use Illuminate\Http\Request;
use App\Result;
use App\Session;

```

```

use App\Semister;
use App\subject;
use DB;
use PDF;

class CalculationController extends Controller
{
    public function index()

    {
        $result = new Result();
        //Teacher Name
        $name = DB::table('results')->select('name')->orderBy('id', 'desc')->limit(1)
        ->first()->name;
        //Degisnation
        $degisnation = DB::table('results')->select('designation')->orderBy('id', 'desc')-
        >limit(1)
        ->first()->designation;
        //Department
        $dept = DB::table('results')->select('dept')->orderBy('id', 'desc')->limit(1)
        ->first()->dept;
        //session
        $session = DB::table('results')
        ->select('session_id')
        ->orderBy('id', 'desc')->limit(1)->first()->session_id;
        $session = Session::find($session);
        $session = $session->name;
        //Semister
        $semister = DB::table('results')
        ->select('session_id')
        ->orderBy('id', 'desc')->limit(1)->first()->session_id;
        $semister = Semister::find($semister);
        $semister = $semister->name;
        //subject
        $subject = DB::table('results')->select('id_subject')
        ->orderBy('id', 'desc')->limit(1)
        ->first()->id_subject;
    }
}

```

```

$subject = subject::find($subject);
$subject_name = $subject->name;
//course_code
$course_code = $subject->course_code;

// ===== //

//CT_1
$ct_1 = DB::table('results')->select('ct_1')->orderBy('id', 'desc')->limit(1)
->first()->ct_1;
$amount_of_ct_1 = $ct_1*150;

//CT_2
$ct_2 = DB::table('results')->select('ct_2')->orderBy('id', 'desc')->limit(1)
->first()->ct_2;
$amount_of_ct_2 = $ct_2*150;

//CT_3
$ct_3 = DB::table('results')->select('ct_3')->orderBy('id', 'desc')->limit(1)
->first()->ct_3;
$amount_of_ct_3 = $ct_3*150;

//Lab
$lab = DB::table('results')->select('lab')->orderBy('id', 'desc')->limit(1)
->first()->lab;
$amount_of_lab = $lab*150;

//viva
$viva = DB::table('results')->select('viva')->orderBy('id', 'desc')->limit(1)
->first()->viva;
$amount_of_viva = $viva*150;

//question
$question = DB::table('results')->select('question')->orderBy('id','desc')->limit(1)
->first()->question;
$amount_of_question = $question*800;
//Student_of_Final_exam

```

```

    $final_student = DB::table('results')->select('final_student')->orderBy('id', 'desc')-
>limit(1)
    ->first()->final_student;
    //amount_of_final_exam
    $amount_of_final = $final_student * 170;
    //Exam_committee
    $exam_committee = DB::table('results')->select('exam_committee')->orderBy('id',
'desc')->limit(1)
    ->first()->exam_committee;
    if( $exam_committee == 'chairman')
    {
        $rate = 120;
    }
    else if($exam_committee == 'member')
    {
        $rate = 100;
    }
    else
    {
        $rate = 0;
    }
    //Tabulation
    $tabulation = DB::table('results')->select('tabulation')->orderBy('id', 'desc')-
>limit(1)
    ->first()->tabulation;
    //Tabulation_rate
    $tabulation_rate = $tabulation*10;

    //Supervision
    $supervision = DB::table('results')->select('supervision')->orderBy('id', 'desc')-
>limit(1)
    ->first()->supervision;
    $amount_of_supervision = $supervision*2500;

    //Presentation
    $presentation = DB::table('results')->select('presentation')->orderBy('id', 'desc')-
>limit(1)

```

```

->first()->presentation;
$amount_of_presentation = $presentation*2500;

//Evaluation
$evaluation = DB::table('results')->select('evaluation')->orderBy('id', 'desc')-
>limit(1)
->first()->evaluation;
$amount_of_evaluation = $evaluation*3000;
//sercetizing_sub
$sercetizing = DB::table('results')->select('sercetizing')->orderBy('id', 'desc')-
>limit(1)
->first()->sercetizing;
//sercetizing_student
// $sercetizing_student_1 = DB::table('results')->select('sercetizing_student_1')-
>orderBy('id', 'desc')->limit(1)
// ->first()->sercetizing_student_1;

$amount_of_sercetizing_1 = $sercetizing*100;
//Total
$total = $amount_of_ct_1 + $amount_of_ct_2 + $amount_of_ct_3+
$amount_of_question + $amount_of_final + $rate + $tabulation_rate +
$amount_of_presentation + $amount_of_evaluation +
$amount_of_sercetizing_1;
// return $total;

//PDF convert
// PDF::setOptions(['dpi' => 250, 'defaultFont' => 'sans-serif']);
// $pdf = PDF::loadView('soft.result',
// [
//     'session'=>$session,
//     'semester'=>$semester,
//     'subject_name' =>$subject_name,
//     'course_code'=>$course_code,
//     'name'=> $name,
//     'ct_1'=>$ct_1,

```

```

// 'amount_of_ct_1'=>$amount_of_ct_1,
// 'ct_2'=>$ct_2,
// 'amount_of_ct_2'=>$amount_of_ct_2,
// 'ct_3'=>$ct_3,
// 'amount_of_ct_3'=>$amount_of_ct_3,
// 'question'=>$question,
// 'amount_of_question' => $amount_of_question,
// 'final_student'=>$final_student,
// 'amount_of_final'=>$amount_of_final,
// 'exam_committee'=>$exam_committee,
// 'rate'=>$rate,
// 'tabulation'=>$tabulation,
// 'tabulation_rate'=>$tabulation_rate,
// 'presentation'=>$presentation,
// 'amount_of_presentation'=>$amount_of_presentation,
// 'evaluation'=>$evaluation,
// 'amount_of_evaluation'=>$amount_of_evaluation,
// 'sercetizing'=>$sercetizing,

// 'amount_of_sercetizing_1'=> $amount_of_sercetizing_1,
// 'total'=>$total,
// ]

```

```

// );
// $pdf->setPaper('A4', 'landscape');
// return $pdf->stream('result.pdf');
// return view('soft.result');

```

```

return view('soft.result',

```

```

[
    'name'=> $name,
    'degisnation'=>$degisnation,
    'dept'=>$dept,
    'session'=>$session,

```

'semister'=>\$semister,
 'subject_name' =>\$subject_name,
 'course_code'=>\$course_code,

 'ct_1'=>\$ct_1,
 'amount_of_ct_1'=>\$amount_of_ct_1,
 'ct_2'=>\$ct_2,
 'amount_of_ct_2'=>\$amount_of_ct_2,
 'ct_3'=>\$ct_3,
 'amount_of_ct_3'=>\$amount_of_ct_3,
 'lab'=>\$lab,
 'amount_of_lab'=>\$amount_of_lab,

 'question'=>\$question,
 'amount_of_question' => \$amount_of_question,

 'final_student'=>\$final_student,
 'amount_of_final'=>\$amount_of_final,

 'supervision'=>\$supervision,
 'amount_of_supervision'=>\$amount_of_supervision,

 'presentation'=>\$presentation,
 'amount_of_presentation'=>\$amount_of_presentation,
 'evaluation'=>\$evaluation,
 'amount_of_evaluation'=>\$amount_of_evaluation,

 'tabulation'=>\$tabulation,
 'tabulation_rate'=>\$tabulation_rate,

 'sercetizing'=>\$sercetizing,
 'amount_of_sercetizing_1'=> \$amount_of_sercetizing_1,

 'exam_committee'=>\$exam_committee,
 'rate'=>\$rate,

 'total'=>\$total,

]

);

}

}