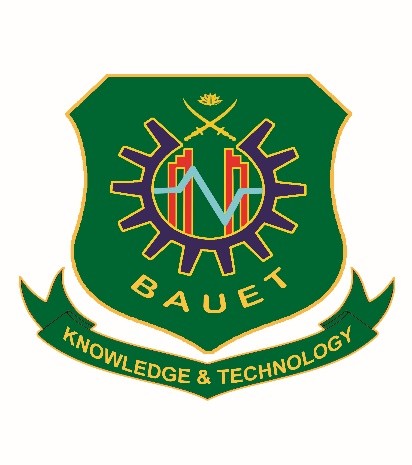
Bangladesh Army University of Engineering & Technology (BAUET)

Qadirabad, Natore-6431

**Department of**

**Computer Science and Engineering (CSE)**

**Lab Report On: BAUET Result System**

**Course Code:** CSE-3104

**Course Title:** Software Engineering and Information System Sessional

**Submission Date:** 13-09-2022

|  |  |
| --- | --- |
| **Submitted By** | **Submitted To** |
| **Name:**  Fahmida Rahman Moumi | Md. Nazmus Salehin |
| **ID:** 20104001 | Lecturer |
| **Name:**  Md. Tanvir Ahmed Tagim | Dept. of CSE, BAUET |
| **ID:** 20104007 |  |
| **Name:**  Amrin Nahar | Mst. Irin Sultana |
| **ID:** 20104009 | Lecturer |
| **Name:** Gourob Roy | Dept. of CSE, BAUET |
| **ID:** 20104027 |  |
| **Name:**  Mst. Bilkis Khatun |  |
| **ID:** 20104031 |  |
| **Name:** Md. Arik Rayhan |  |
| **ID:** 20104033 |  |
| **Department:** CSE |  |
| **Batch:** 11th |  |
| **Session:** 2020-2021 |  |

**Project Name:** BAUET Result System

**Analysis of existing system:**

Currently, the process of declaring and managing the students’ results at BAUET, is performed manually with extensive human intervention. The students’ results are generated through a spreadsheet application and then printed on paper, attached to a wall for declaration and then stored. The process is that teacher takes the marks of each student based on the OBE curriculum and then manually calculates the results of each student. Then their result is stored in a spreadsheet and given to the accounting office. Moreover, BAUET follows OBE based curriculum which follows these rules: The total performance of a student in a given course is based on a scheme of continuous assessment. For theory courses this continuous assessment is made through a set of quizzes, class tests, observations class participation and class attendance, homework assignment and a semester final examination.[2] The assessment in laboratory courses is made by evaluating the performance of the student at work during the class, viva-voce during laboratory hours and quizzes. Each course has a certain number of credits describing its corresponding weights. A letter grade with a specified number of grade points is awarded in each course for which a student is registered. A student's performance is measured by the number of credits completed satisfactorily and by the weighted average of the grade points earned. A minimum Grade Point Average (GPA) is essential for satisfactory progress. A minimum number of earned credits must also be acquired to qualify for the degree. Letter grades and corresponding grade points will be awarded by the provisions (as per the University Grant Commission-UGC grading system).[1]

**The problem with the existing system:**

Despite having an application that generates the result, it is not very effective as the system consumes a lot of time and human resources in performing various tasks, it is costly, and it lacks data security and efficiency. At present, the institution needs an advanced and computerized environment. And once implemented, it will minimize all the problems mentioned.[3] The purpose of the BAUET Result system is to automate the existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements valuable data information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Student Result System, as described above, can lead to an error-free, secure, reliable and fast system. It can assist the user to concentrate on their other activities rather than on record keeping. Thus, it will help the organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information. Student Result web System, as described above, can lead to an error-free, secure, reliable and fast management system. It can assist the user to concentrate on them rather than on record keeping. Thus, it will help the organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant while being able to reach the information.

**Conclusion:**

We plan to develop this project by using this will reduce the need for human resources and save a lot of time. Also, it will be saved in a database so the data can be better used for another system. This application will avoid the calculation and simplify the process of visualizing results by students as well as faculty. The main objective was to enhance and automate the management and declaration of students’ results using a computerized system. A well-defined, efficient, controlled and managed information system or software based on web technology storing, processing and providing information through the internet.

**References:**

|  |  |
| --- | --- |
| [1] | “Analysis of existing system” [Available on Online] [https://bauet.ac.bd/wp-content/uplo ads/](https://bauet.ac.bd/wp-content/uplo%20ads/) 2020/12/ Exam ination-policy-.pdf, 12 September 2022. |
| [2] | “Analysis of existing system” [ Available on Online] [https://www.astesj.com/v05/i03/p15 , 31](https://www.astesj.com/v05/i03/p15%20,%2031) August 2022. |
| [3] | “The problem with the existing system” [Available on Online] [https://bauet.ac.bd/wp-content/uplo ads/](https://bauet.ac.bd/wp-content/uplo%20ads/) 2020/12/ Exam ination-policy-.pdf, 5 September 2022. |