|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **System** | **Features** | **Technology** | **User Interface** | **Security** | **Performance** | **Cost-effectiveness** | **Limitations** |
| Automated Grading System  (by Mindanao State University - Maigo School of Arts and Trades) | Automated calculations, real-time data access, and remote entry | PHP, MySQL, web-based interface (HTML, CSS, JavaScript) | User-friendly, accessible online with responsive design | User management module, password-protected access |  |  | Limited modification and the UI is slightly outdated design |
| CDSRDSC SYSTEM | Grades automatically,  Online, History tracking | ASP.NET & SQL | Intuitive Navigation | Two-Factor Authentication,  Account Lockout |  |  | System Complexity User Resistance |
| E-Class Record for Basic Education  Department, University of Bohol,  Tagbilaran City | formative  assessment recording, password protection, and automatic data saving | ASP .NET, WEB BASED INTERFACE (HTML, CSS, JS)  SQL SERVER | user-friendly, responsive, has a modern interface, has user guide for reset password | Role-based access |  |  | Limited customization and outdated UI design |

**Pagatpat, Christian**

RRL: https://www.scribd.com/document/633384799/Automated-Grading-System-docx?fbclid=IwY2xjawGUXaBleHRuA2FlbQIxMAABHRopoAZVFEfdRYxIdCkvKUa0R73OByBUHFl7sNRwWFPIMVsrRbhCb-fF5w\_aem\_Wm1afG2x4J-ULxw-Ww8Cfg

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Summarization

The problems with the current grading system are mainly that manual record-keeping is time-consuming, inefficient, error-prone, and burdensome for teachers and administrators in their efforts. An automated grading system would be developed. It would automatically maintain records of marks and grades, thus making it more accurate, faster, and easily accessible to both the instructors and the administrators. This would be helpful in school management since all the data related to students and instructors can be accessed centrally. This would reduce the burden of work on the school staff, make the work process more efficient, and also make the grading of the students more accurate and reliable.

**Amila, Nicole**

RRL: <https://www.researchgate.net/publication/377654894_E-Class_Record_for_Basic_Education_Department_University_of_Bohol_Tagbilaran_City>

Summarization

The University of Bohol’s basic education department uses electronic class records to record the students’ performance using Microsoft Excel or Google Sheets, using arithmetic functions like VLOOK-UP, AVERAGE, IF, COUNTIF and SUM. The educators used worksheet template to input students’ information, subject, section, student number, grade level, gender, and also the students’ performance which significantly took too much time for them to calculate students’ grades due to stress and workload. The new e-class record was proposed to create a class record for teachers and administrators to track student progress. The e-class record will be accessible online without compromising security or safety. This would be helpful in University of Bohol as they advance towards Education 5.0 which focuses on technological integration and sustainable development.

**Shyna Ann & Daniel**

It discusses how various systems have been established to make the grading process better within institutions, and particularly, in moving from manual to automated systems. Traditional grading is actually used by Mindanao State University - Maigo School of Arts and Trades as a system that requires computing and validating grades manually; hence, the process is so long and prone to error. The review outlined those systems that attempted to streamline grading workflows, improve the accuracy of data and enhance access to students and faculty. Some of the important areas include usability, security, and efficiency in handling data. These are issues that will make for a successful transition into online grading.

In this matrix:

* **Features:**
* **Technology:**
* **User Interface:**
* **Security:**
* **Limitations:**