Student Report Card

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Abstract: **The aim of the project is to provide the evaluation of continuous internal assessment (CIE) to the student in a simple and accurate way. The web application will provide summary report regarding students' performance report and internal marks list with attendance. The whole result analyzer will be under the control of the local and global evaluator, and they will have full privileges to read, write and execute the result. The system presents a single platform that will be used to manage the processing of all internals records within the institution. It gives the privileges to the Teacher and students to access the result and the student can also download his report card. The web application will be designed using HTML, CSS, JavaScript & developed using visual Studio code. For Front End of this web application, we use HTML, CSS framework directed at responsive, JavaScript-based design templates & the backend for Excel.**

Keywords: **Performance Evaluation, Web Application.**

I. INTRODUCTION

Nowadays most of the education system practice online learning mechanism rather than using the traditional teacher centered teaching mechanism to enhance the learning ability of the students by making a student-centered learning mechanism. The teachers must evaluate the student's performance. student performance evaluation system is a web-based application that mainly focuses on providing the evaluation to the student. the student gets their respective evaluation report of that semester. The student can access their evaluation through a web application is more convenient and the faculty can easily analyze the performance of student. The system is divided into three modules- student, faculty and administrator. The student using his login credentials can view his report, similarly faculty using their login credentials evaluate students respectively. The administrator can add new users in faculty and student sections, it can also add new subjects, classes as per the sessions. The admin is provided with the privileges to modify the student and faculty information by updating their details in web application. The update of any current session or previous one is done by the administrator. Information about the grades obtained in various semesters. Information regarding evaluation of each semester of a student. Visualization of evaluation report that conveys the overall student's performances in a particular subject. The main objective of this system is to provide the student a convenient and simpler way to check their internal assessment and attendance. It assists the faculty and student to analysis his/her and the whole class performance in a subject. No formal knowledge is needed for the user to use this system. Thus, by this all it provides it is user-friendly. Student performance evaluation system, as described above, can lead to error free, secure, reliable, and fast networking system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources.

II. LITERATURE OVERVIEW

1. Freund et al. (2017), nowadays people interact directly with technology in fields such as education, government, finance, retail, entertainment, health care, science, travel, publishing, and manufacturing. And they also state that, educators and teaching institutions use technology to assist with education. Most equip labs and classrooms with laptops or desktops. Some even provide computers or mobile devices to students. Many require students to have a mobile computer or mobile device to access the school's network or Internet wirelessly, or to access digital-only content provided by a textbook publisher. And educators may use a Course Management System (CMS), sometimes called a Learning Management distribution, and System (LMS), which is a software that contains tools for class preparation, management.

2. Wallace (2015), the LMS is an information system used to track student progress, and manage educational records .Many offer other features, such as online registration, assessment tools, collaborative technologies, and payment processing. They also offer tools for creating or importing content. And she also states that, people are so accustomed to social networking and other web applications that it is an easy step to build these tools into an online platform or environment.

3. Wundenberg (2015), LMS characterizes a complex, often web based software system which pools multiple task specific subprograms under a shared User Interface (UI).

III. METHODOLOGY

"Internal Marks Assessment System" is web application based on HTML,CSS and JAVASCRIPT. The main goal of the project to automate the particular students internal marks calculation. The word assessment refers to a systematic process of collecting, understanding, and acting upon the data related to a student. Also, the performance of a student is done on the basis of their educational experience. Besides, internal assessment refers to the evaluation of the performance of students on the basis of their internal performance. For back end we are using EXCLE and for the front end we are using HTML,CSS, and JavaScript . The software required to run the project based on web browser.

There are 3 modules. They are 1. Admin Module 2. Faculty Module 3. Student Module. The system can be developed using web technologies HTML, CSS, JAVASCRIPT and using the database EXCEL. The frontend can consist of student details with the

respective university registered number. The student can view his respective subject marks with attendance in the tabular format. The data can be collected from the college administration. This data includes university registered number of every student currently collected is then classified and tabulated into useful and understandable manner.HTML is used for structuring the web page and its content. providing marks.CSS is used for styling the web page. Excel is used for connecting to the database and perform operations on it through queries.

IV. DESIGNING
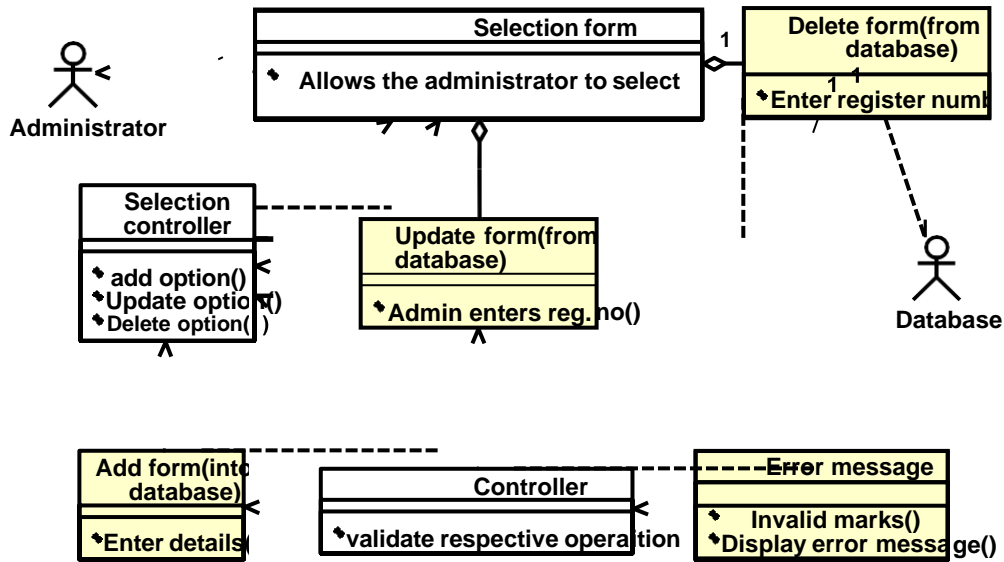
Figure 4.1: Overview of Administrator

V. DETAIL WORKING

These pages are used to perform the Excel sheet authentication process by the administrator. After completion of successful login, administrator's main activity form is loaded for administrator. Result query activity form is displayed. It would be a lot easier if you can make a report card in Excel, as Excel has a lot of formulas and features. You can easily make a standard assessment report card and copy it through for every student. It will save your time too. In this paper, a monthly-wise mark sheet for every subject and every student is present. Here, basically, the register number and names of the students and marks obtained in each subject with attendance are present.

Design of Student Performance Evaluation System:

Collaboration is a society of classes, interfaces, and other elements that work together to provide some cooperative behavior that's bigger than the sum of all its parts. Collaboration is also the specification of how an element, such as a classifier or an operation, is realized by a set of classifiers and associations playing specific roles used in a specific way.
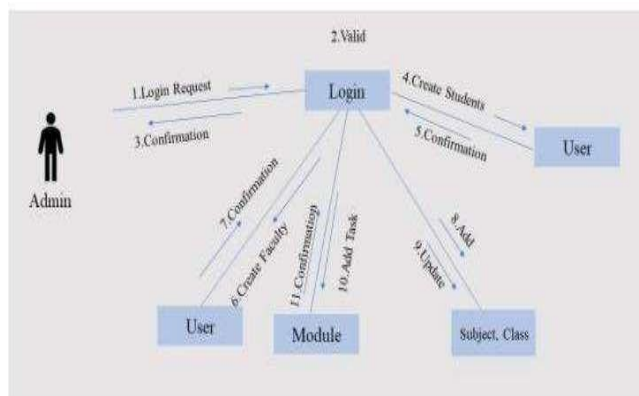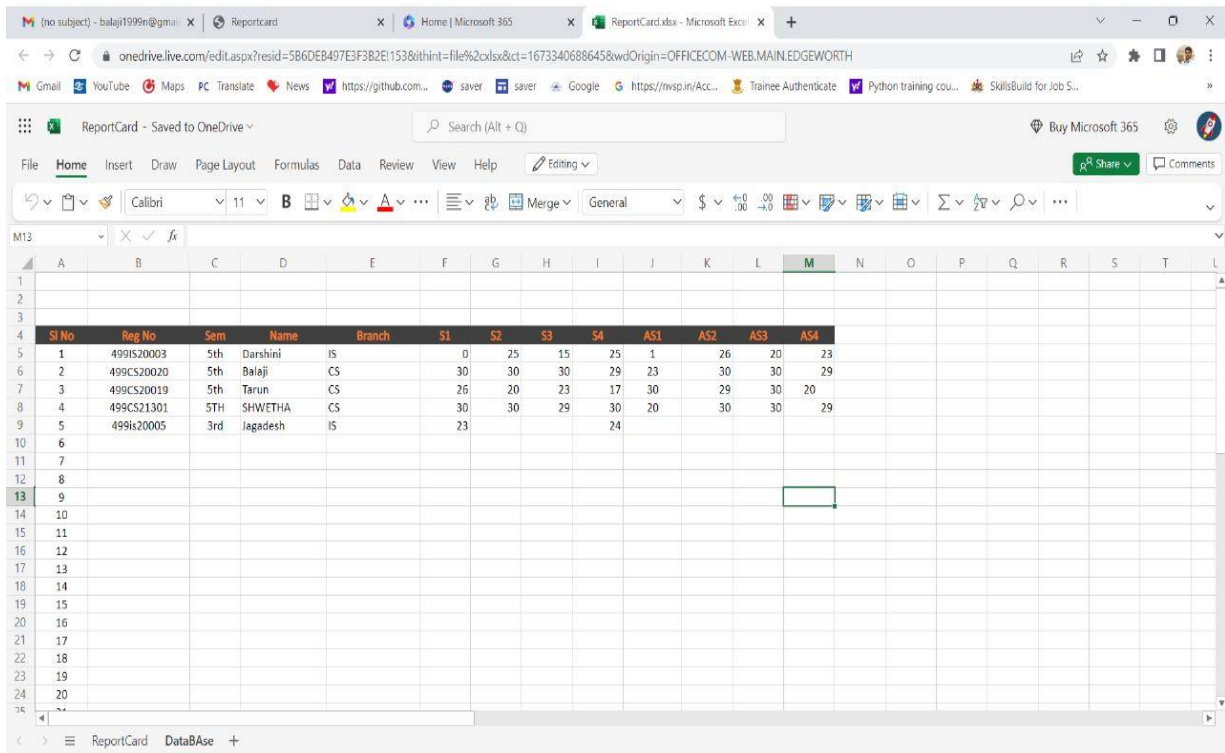

Figure 5.1: Admin Collaboration

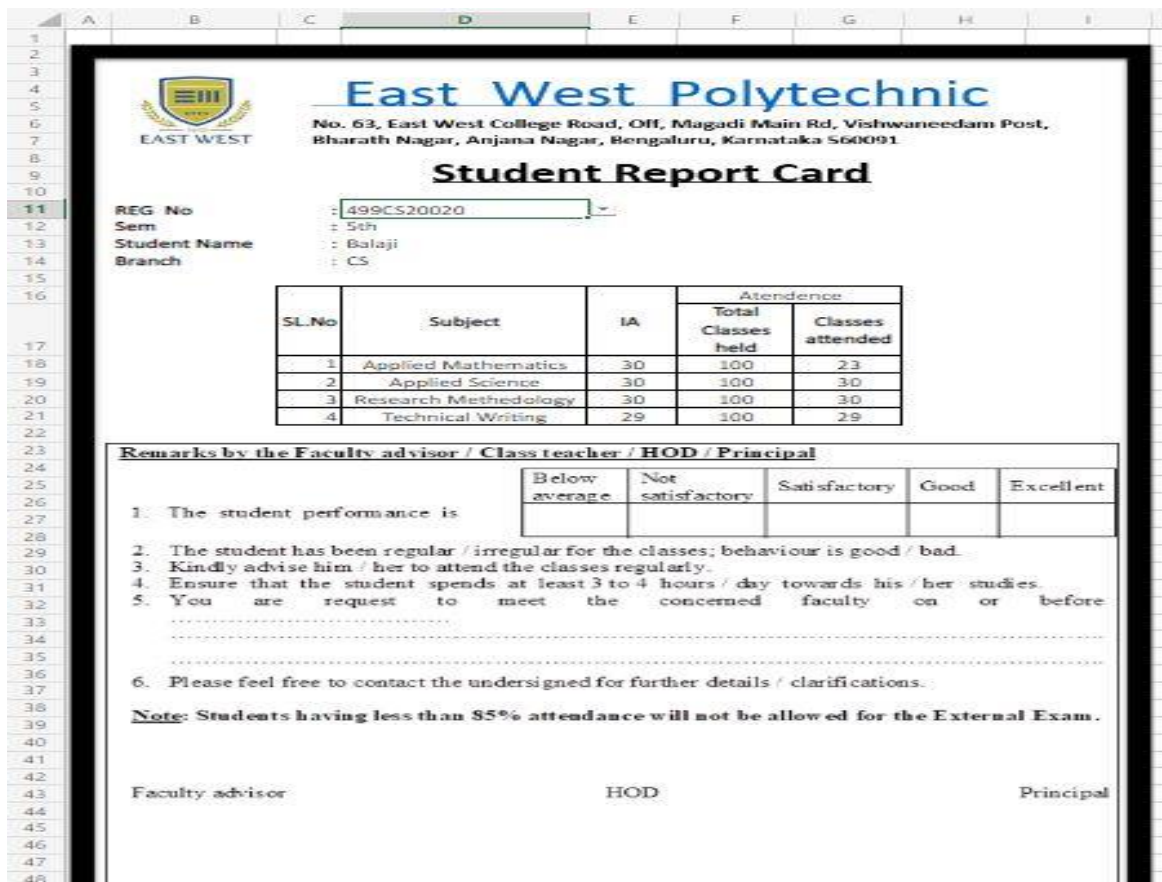figure 5.2: Back end entering the data

VI.   RESULT

Figure 6.1 Final Report Card

VII. CONCLUSION

"Internal Marks Assessment System" is a web application, it is a HTML based project, and the main goal of the project is to automate particular student internal marks calculations. This system is an alternative to the existing paper work calculation of internal marks.

VIII. ACKNOWLEDGEMENT

IX. REFERENCE

1. Douglas Crack ford, "JavaScript: The Good Parts", First Edition, O'Reilly Media, May 8, 2008
2. Michael Lynn, "Head HTML & EXCEL SHEET", Second Edition,O'Reilly Media, December 15,2008
3. Johnson, "Introduction to JavaScript", First Edition, O'Reilly Media, June 10,2010
4. Roger S.Pressman, Ph.D, 'Software Engineering A Practitioner's Approach', TATA McGraw Hill Series Fifth Edition.(2001)
5. Elias M Awad, 'System Analysis and Design', Galgotia Publications (P) Ltd., Second Edition, 1999
6.Darian-Smith, E., & McCarthy, P. (2017). The Global Turn. Oakland, CA: University of California Press.
7.Dawson, C. (2015). Projects in Computing and Information Systems (3rd ed.). Harlow, England: Pearson.
8.Dennis, A., Wixom, B. H., & Tegarden, D. (2015). Systems Analysis and Design (5th ed.). Hoboken, NJ: Wiley Publishing.