



INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

ISSN: 2454-132X

Impact factor: 4.295

(Volume 5, Issue 2)

Available online at: www.ijariit.com

Online marks entry system

Ansari Abrar Shaukat Ali
ansariabrar1263@gmail.com
Theem College of Engineering,
Maan, Maharashtra

Muhib Lambay
lambaymuhib@gmail.com
Theem College of Engineering,
Maan, Maharashtra

Shaikh Mohd Rahil
shaikhrakil96@gmail.com
Theem College of Engineering,
Maan, Maharashtra

Shaikh Zain ul haq
shkzain.00@gmail.com
Theem College of Engineering,
Maan, Maharashtra

Anas Sami Ahmed Dange
anas.dange@gmail.com
Theem College of Engineering,
Maan, Maharashtra

ABSTRACT

This paper describes the entry of student's oral, practical, term work marks manually. After checking the answer sheet and taking oral and practical, faculties have to fill up marks in paper or sheet provided by the exam cell manually. Therefore there are possibilities of a mistake happening during entering these marks. To minimize this problem we are going to make one system which allows the staff to enter the marks and verify the marks and then generate the report of this mark sheet. We are developing a system that is ONLINE MARKS ENTRY SYSTEM to reduce the efforts of entering marks manually by the institute staff. Here in this system, the college department staffs are provided with the user name and password through the mail, where they will log in and subjects will be allocated to the staff by the head of the department and according to their subjects, they will enter the internal marks of their subjects. They can verify the marks and then generate the report of the sheet.

Keywords— Marks entry, Excel sheet, PDF generation, Faculty, HOD

1. INTRODUCTION

The system has come up with much functionality for an educational institution to track and check the internal grade of students. This is time-consuming as well as requires more time and human effort, the proposed system is a web-based system that provides a comprehensive solution to manage and enhance the online mark entry.

Manually typing the marks into excel sheet might be introducing error. In manually typing process manpower is required reading the marks from the excel sheet. Therefore there might be introducing human errors. One is type wrong marks and another is type marks to the wrong number. To overcome this problem we are introducing this paper.

The Solution, however, will manage a great deal of menial work. This keeps paperwork to its minimum, leading to ease of

accountability, reducing confusions and increase in work rate and efficiency. Then customization based on the requirement of College. The system under consideration is prepared in order to replace the current paper record system with an automated internal assessment system. All data is stored securely on MYSQL managed by the college administrator and ensures the highest possible level of security. The system will be used by Different educational institutes to maintain the records of student internal marks easily. Achieving this objective of internal marks entry is difficult using a manual system for the institute as the information is scattered, can be redundant and collecting relevant information may be very time-consuming. Our project ONLINE MARKS ENTRY SYSTEM enhances the upgradability of the existing system and makes it convenient for the staff to manage records as well as saves loads of time.

The main goal of the system is to make the system available for the staff, where staff can enter internal marks of the students and forward it to HOD. The task of the exam cell is to verify these marks and can generate a report. The task of admin is to handle the database of the system and provide the information of the students in their institute and also the syllabus of the courses in the system. Our system is very advantageous and helpful for both the staff and the exam cell and this system is very reliable, efficient, and saves a lot of time. So thus, by designing an automated system i.e. ONLINE MARKS ENTRY SYSTEM we have attempted to ease the examination cell-related work for both the staff as well as for the exam cell. The system is designed using three modules Admin, HOD, Faculty.

Admin: The module will allocate the user-id and password to the faculty. The user-id will be different for the HOD and different for the faculty. Auto-generated email where the faculty/HOD can later change their password. Admin also handles the database where he will enter the data of the students in their institute, the syllabus of the students according to the Mumbai University.

Head of Department: The module will allocate the courses to its respective faculties with respect to the branch, semester

and syllabus. HOD will also allocate the course to him/herself. HOD module is same as that of the Faculty module, the only difference is that as they are the head of the department are supposed to allocate the subjects and also because of the know it better which subject should be allocated to which faculty.

Faculty: The module will be allocated their courses by the HOD with respect to semester, branch and syllabus. The faculty staff will be allocated to subjects by the head of the department. The task of the faculty will be to check whether their allocated subjects consist of internal marks like oral/practical, term work, and internal marks. If so then he/she is supposed to enter the internal marks of the students in the system. After entering the marks and submitting they can generate the report of the mark sheet.

1.1 Purpose

The purpose is to design a college website which helps in storing and automating the oral, practical, and term work marks of the students. That should improve the efficiency of errors and mistakes happen while doing it manually.

1.2 Objectives

- Decrease the time required to access and deliver student marks.
- Decrease time spent on non-value added tasks.
- Increasing the efficiency of student marks management.

2. SYSTEM DESIGN

Online Marks Entry System is designed by using Php and MySQL. The front end is designed by using Php supported by the back end as MySQL. We have also used the Laravel framework. Laravel is a free, open-source PHP web framework, created by Taylor Otwell and intended for the development of web applications following the model-view-controller (MVC) architectural pattern.

3. EXISTING SYSTEM

Most of the colleges are maintaining the student information in records and hence a lot of paperwork goes into it. When the number of a record increases the precipice it becomes difficult to maintain the information of each student in the antiquated system. From the number of records, some records are of internal marks i. e oral, practical and term work marks, where storing recording these marks is done manually. It is a procedure between the college staff and the college exam cell, where the internal marks of the students are entered manually from the faculties and then this mark sheet is forwarded to the exam cell. Here the exam cell re-verifies this marks and does the further procedural steps. Rather than the manual process, there is many more system designed related to this system, they are defined below:-

Pune university has designed their own system, where they have designed a system in such a way that they consist of a login page of admin, and faculties. The college login i. e the admin will allocate the subjects to the examiner. Now the examiner will log in using his id and password provided then he will read the important instruction carefully, he will select the subject, the syllabus, he will then enter the students and verify the students and submit the form after entering marks. They even allocate the external examiners for the subjects.in short, their complete internal procedure is done on the system.

Assessment Marks Entry System, Using the Electronic Grade Book (EGB), For Assessment and Reassessment, DIT Information Service proposed The Electronic Grade Book

system was introduced into DIT in 2004 as a pilot and adopted in 2005 as the standard system for entering assessment marks for all programs. The software comes from the same software house that produced Banner – the Student Administration System. Consequently, the data entered into EGB is managed within the Banner system and attaches itself to the academic history of students. The reporting tool Info view is also available to produce reports based on academic histories of students and class groups. EGB is a web-based application, interfaced to the Student Registration System – Banner. The link to EGB can be found under “E” in the DIT A-Z (from www.dit.ie). You can log onto EGB using your staff ID as your username and a PIN. PINs are available from your local Examination office or by contacting the Information Services Helpdesk on 3123. EGB ensures standardization of Grade recording across the entire Institute. It is a simple system to use if you are already familiar with using an internet browser such as Chrome, Firefox or Internet Explorer. The marks are entered against pre-defined module components as specified by the module authors.

In this project, the lecturer’s workload of maintaining the student’s academic-related information is reduced with the help of “ANDROID APPLICATION FOR STUDENT ACTIVITY REGISTER” which is a real-time application. This application consists of various systems such as the attendance system, mark entry system, auto calculation system, and report generation system. To reduce the fake attendance it integrates the RFID technology which consists of RFID reader and the RFID tags. RFID readers read the signal from the tags and calculate the total number of count in class. This count is cross-checked with the attendance taken by the lecturers in the application. Mark entry system helps to maintain and update the marks taken by the students. Auto calculation system will help to calculate the cumulative attendance, internal marks, GPA and CGPA. Report generation system will help to generate a report of the cumulative attendance, individual performance, class performance. Website login is provided for the lecturers, HODs and principal to generate reports. The primary advantage of this application is to reduce the manual work taken by the lecturers to maintain the student-related information.

4. PROPOSED SYSTEM

The current system has encountered with many limitations. The suggested system hits the restrictions found in the current system. There exist of advantages in the proposed system those systems is a complete package so there are no slip ups concerning the statistics of student eligibility and internal marks assessment. Also, it eliminates redundancy. It is easy to get information from a single source. No latency when bringing back the record of the student and institution. The Head of Department will allocate the subjects to the faculty and the faculty will enter the internal marks of the students. The faculty then can generate the excel sheet of the students entered marks and can submit it to the exam cell portal. The system will automatically generate the average marks of the students. The determination between the Head of Department and faculty will be under the admin’s hand. Admin will store the data of the faculty as well as the students. The database will be handled by the admin.

Admin module will allocate the user-id and password to the faculty. The user-id will be different for the HOD and different for the faculty. One Time Password will be generated where the faculty can later change their password. The HOD module will allocate the courses to its respective faculties with respect to the branch, semester and syllabus. HOD will also allocate the

course to him/herself. Faculty module will be allocated their courses by the HOD with respect to semester, branch and syllabus. In faculty module, the excel sheet will be generated to them which will include student's data. Student data will be student name, student seat number and the internal marks allotment options. The HOD module and faculty module will be the same only addition for HOD module will be that it can allocate courses to the faculty whereas the faculty cannot do this. After adding marks to all the students the mark sheet is generated. This HOD and Faculty can generate the printout of the mark sheet.

The proposed system consists of three modules, they are as follows with their functionalities:

4.1 Admin: the module will allocate the user-id and password to the faculty. The user-id will be different for the HOD and different for the faculty. One Time Password will be generated where the faculty can later change their password. Admin also handles the database where he will enter the data of the students in their institute, the syllabus of the students according to the Mumbai University.

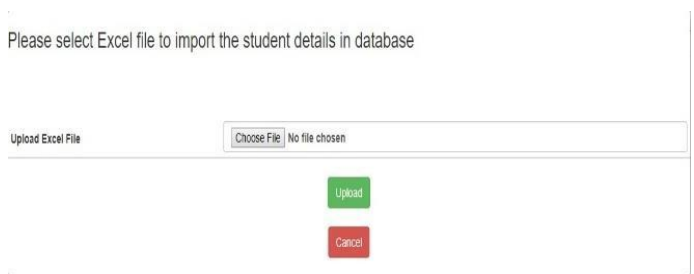


Fig. 1: Admin entering student's information in the database

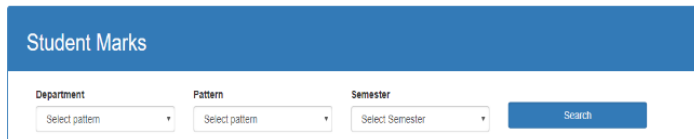


Fig. 2: Admin searches student marks

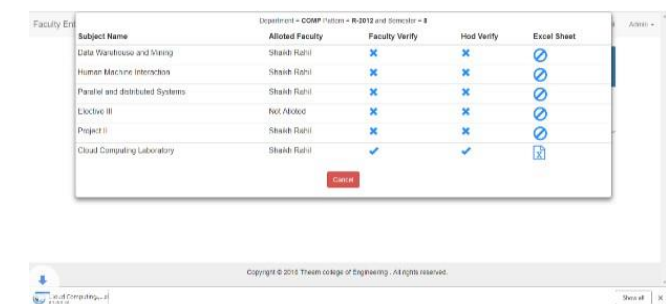


Fig. 3: Excel file downloaded by admin panel

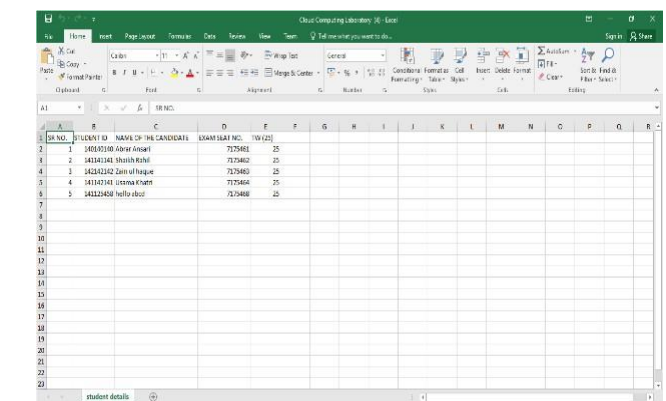


Fig. 4: Preview of excel file in the admin panel

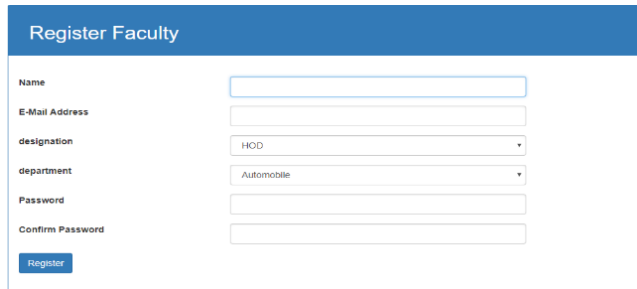


Fig. 5: Faculty registration



Fig. 6: Adding student information

4.2 Head of Department: the module will allocate the courses to its respective faculties with respect to the branch, semester and syllabus. HOD will also allocate the course to him/herself. HOD module is same as that of the Faculty module, the only difference is that as they are the head of the department are supposed to allocate the subjects and also because they know it better which subject should be allocated to which faculty.

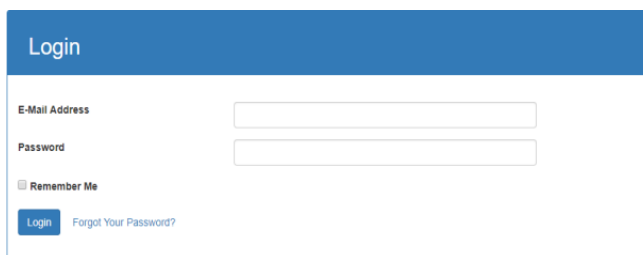


Fig. 7: Admin, HOD, Faculty login

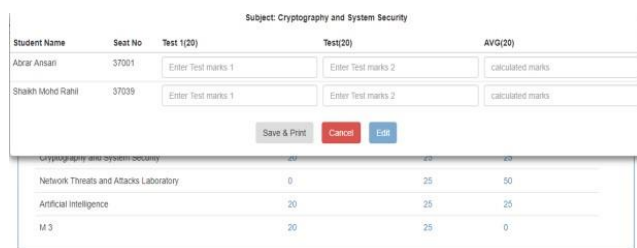


Fig. 8: Student list



Fig. 9: HOD allocating subjects

4.3 Faculty: Module will be allocated their courses by the HOD with respect to semester, branch and syllabus. The faculty staff will be allocated subjects by the head of the department. The task of the faculty will be to check whether their allocated subjects consist of internal marks like oral/practical, term work, and internal marks. If so then he/she is supposed to enter the internal marks of the students in the system. After entering the marks and submitting they can generate the report of the mark sheet.

Student Name	Seat No	Test 1(20)	Test(20)	AVG(20)
Abrar Ansari	7175461	10	10	10
Shahid Rahil	7175462	10	10	10
Zain ul haque	7175463	10	10	10
Usama Khattar	7175464	10	10	10
hello abcd	7175468	10	10	10

Fig. 10: Faculty entering marks

Subject Name	Internal Assessment	Term work	Oral/Practical
Cryptography and System Security	20	25	25
Network Threats and Attacks Laboratory	0	25	50
Artificial Intelligence	20	25	25
M 3	20	25	0

Fig. 11: Faculty subject allocated list

Student Name	Seat No	Test 1(20)	Test(20)	AVG(20)	TW(25)
Abrar Ansari	7175461	10	10	10	10
Shahid Rahil	7175462	10	10	10	10
Zain ul haque	7175463	10	10	10	10
Usama Khattar	7175464	10	10	10	10
hello abcd	7175468	10	10	10	10

Fig. 12: Verification of marks

#	Name of the Candidate	Exam Seat no	Test 1	Test 2	Avg	TW
1	Abrar Ansari	7175461	10	10	10	10
2	Shahid Rahil	7175462	10	10	10	10
3	Zain ul haque	7175463	10	10	10	10
4	Usama Khattar	7175464	10	10	10	10
5	hello abcd	7175468	10	10	10	10

Fig. 13: PDF generation

5. FEATURES

- Average of the marks are automatically calculated.
- Verification is done. Without verification of marks, the system does not allow the staff to proceed.
- The report can be generated.
- Simple and easy to use.
- Reliable.

6. FUTURE SCOPE

A website is never said to be complete there is always room for improvement and enhancement as the technology improves website need to be updated. Online Marks Entry System is made specifically for faculties of the college. In this project the new feature such as taking online exams, and display of internal marks online. We have developed this project in the form of a website, which can also be viewed in the mobile format. In future, a mobile application can be built for various smartphones such as Android, IOS, and Windows etc.

7. CONCLUSION

Marks Entry System is very useful in an institution or in colleges or in universities. There is no paperwork in this proposed system. This project especially minimizes human efforts necessarily. This application is handled by a college so no information leak and data will be secured. Since it is a web-based application anyone can use the system anywhere at any time and it is very easy to get the necessary information without the latency. There will be no headache to the college because the marks are saved in the system, and if the data is entered incorrectly could be corrected by editing option. Student can check their eligibility through the system. Much time will be saved and data will be secure. Since this application will be handled by the college whenever they need any changes in the application they can make it without the upfront investment, and the system will be more secure when it will be handled by the own college.

8. ACKNOWLEDGEMENT

Our thanks to Them College of Engineering, Department of Computer Engineering, for giving us the initiative to do this constructive work. Would also like to show our gratitude to prof. Muhib Lambay Controller of Exam Cell for sharing his pearl of wisdom with us during the course of this project work.

9. REFERENCES

- [1] Black, P., & Wiliam, D. (1998). Assessment and classroom learning. *Assessment in Education*, 5, 7–75.
- [2] Noga Alon, Nicolo Cesa-Bianchi, Ofer Dekel and Tomer Koren, "Online Learning with Feedback Graphs: Beyond Bandits", *JMLR: Workshop and Conference Proceedings* vol 40:1– 13, 2015.
- [3] Ayfer Su Bergil a*, Işıl Atlib, "Different perspectives about feedback on teaching", *Procedia Social and Behavioral Sciences* 46 (2012) 5833 – 5839, World Conference on Educational Sciences - WCES 2012.
- [4] Mory, E. H. "Feedback research review". In Jonassen, D. (eds) *Handbook of research on educational communications and technology*, Erlbaum Associates, pp. 745-783, 2004.
- [5] Sondergaard H. & Thomas D., "Effective feedback to small & large classes", 34th ASEE/IEEE Frontiers in education conference, 2004.
- [6] Bangert-Drowns, R. L., Kulik, C. L., Kulik, J. A., & Morgan, M. T. (1991). The instructional effect of feedback in test-like events. *Review of Educational Research*, 61, 213– 237.