

GULEC

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Abstract - Today's world is a computerized world. We depend on the computer for most of our needs. Education field is utilizing a major part of the technology. With the growing needs of technology. We have to be efficient enough. We are presenting before you an application GULEC which would help in conduction of guest lectures in colleges. This application will act as a helping hand for the guest lecture conductors. The application built mainly focuses on the reduction in the amount of paperwork and thus is very efficient for use. Conducting guest lectures is the urgent need of any organized body of college. Organizing guest lectures is an essential part of most of the departments in the college. With the introduction of guest lectures the amount of time spent working for documentation is more, which can be reduced by using this application built by us. We are developing a system which monitors a complete documentation process of guest lecture on a single platform. A report will be generated at the end of the guest lecture. The manual work of marking attendance, filling the feedback form and on the basis of feedback, report generation etc. All such things would be done on one single platform. Many other facilities are also provided by this application like reduction of time, reduction of paper work etc. Guest lecture application itself means the overall package of guest lecture conduction. The app would definitely benefit all and thus would be a handy in case of conduction of such lectures in colleges. Therefore, this application developed for guest lectures will transform everything into digitized form making the complete process efficient.

Key Words: Front End: HTML, JSP, CSS, bootstrap.
Back End: MY-SQL, servlet Application Requirement:
IDE- Eclipse, My-SQL etc.

1. INTRODUCTION

Nowadays, Guest Lectures are being arranged by colleges for students, these guest lectures need a lot of documentation. The documentation in turns demands a lot of paperwork. The issue of paper comes here in which even a single guest lecture requires a bundle of pages. In addition to the paper problem, many other problems also arise like wastage of time and human resources etc. The problem arising remain unsolved thus, there is a great need of solution that satisfies to all the problems stated above, major issue being the paper wastage. This guest lecture application has been developed in order to solve the above stated problem. In any college it has been seen that faculty

face problems in conducting guest lectures. Colleges invite guest lecturers to the campuses for variety of reasons. Guest lecturers can open up student's eye to job prospects they never saw possible before. Therefore, this application is designed. A guest lecture need not to be limited to campus-based courses. The lectures can be sometimes conducted in public places as well. The guest expert making proper communication with students and can help them in understanding. The lectures are sometimes organized online. Online communication is established between expert and students. For conducting guest lectures, first of all, an invitation is sent to the guest lecturer. The guest lecturer responds to the sent mail and accordingly the venue and the students would be decided. After the lecture is conducted, attendance of the students is taken and a feedback form appears before the students. The feedback form filled give way to report generation. The application uses HTML JSP, CSS and bootstrap for the front end designing, has MYSQL for the back end. The project mainly uses MVC architecture where model, view and controller are used.

2.LITERATURE REVIEW

The present paper [1] aims to propose a face recognition-based mobile automatic classroom attendance management system needing no extra equipment. Classroom attendance check is a contributing factor in student participation and the final success in the courses. Taking attendance by calling out names or passing around an attendance sheet are both time-consuming, and especially the latter is open to easy fraud. As an alternative, RFID, wireless, fingerprint, and iris and face recognition-based methods have been tested and developed for this purpose. Although these methods have some pros, high system installation costs are the main disadvantages. Most educational institutions are concerned with students' participation in courses since student participation in the classroom leads to effective learning and increases success rates. Also, a high participation rate in the classroom is a motivating factor for teachers and contributes to a suitable environment for more willing and informative teaching.

This paper [2] describes a prototype development of maintain the record of all the students titled RF-Id based Tracking & Attendance with GSM Module exclusively catering the need of Indian teachers. Today many colleges of rural area are facing common problem like bunking the college lectures also meet with the accidents. Indian department of education arises question to the

department for their irresponsibility. Education department also seeks records of all the students which are very difficult to maintain. It is essential to put an effort to stop the bunking the lectures of students. And bring regularity and discipline in colleges, schools, offices, etc. along with an attempt to save time and maintain attendance record of the students with having human efforts.

In this paper [3] study, a novel framework for attendance management is proposed, which consists of a mobile device and a web application. While the lecture goes on, participating students in the lecture can register their attendance into the mobile device with their selfie or their signature. After the lecture finished, the registration data are sent to the database, and they will be referred in the 'Roll Sheet.' This paper reports an overview of the system and the results of evaluation after a trial period. There is a compelling need for a well-designed attendance management system so that the records of their participation are efficiently managed, especially in the case of the lecture has large numbers of participants.

In our project we have implemented the concept of MVC which strengthen our guest lecture web application. Due to the digitized form of application it makes it more interesting to handle. Here the attendance system is handled by QR code which are sent to their email after registration. The student would use the QR code to mark their attendance and attend the guest lecture. Thus, the complete work is organized into a single application.

3. OBJECTIVE

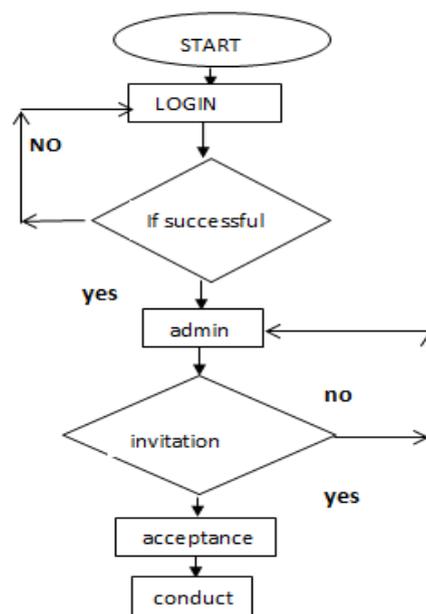
The various objectives of the project is:

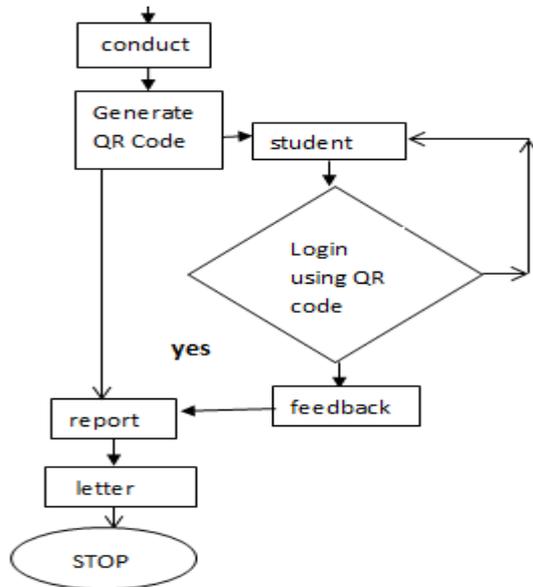
- Major issue of paper documentation is solved.
- The time and resources spent in documentation have been saved.
- The effort spent in the whole process is simplified And the conduction is not such a tedious job as it was earlier.
- The whole work is now organized into a single Application.
- Before this application, usually a single guest lecture was conducted in an academic session but after this application as the process is simple now a number of lectures could be conducted.
- The simplicity in the guest lectures conductance would definitely benefit the students.
- A lot of paper is saved and thus a large amount of paper work is reduced, putting minimum pressure on cutting of trees.

4. PROCEDURE

- Module 1: In the first module, the app will open with the login page where there is an option for login of student and teacher. Here students would be made to register by themselves.
- Module 2: The second module is Dashboard. When a user logs in he is made available a dashboard with all the information. Here user will have access to all other modules that are Invitation, Feedback, Report generation. Here he will also get an option for changing password of his account.
- Module 3: Third module is the Invitation module, here the user will send the invitation through mail to the guest teacher and the guest teacher will revert back and this shows the acceptance and will initiate the conduction of the guest lecture.
- Module 4: Next module is feedback here the teacher will select the students who are eligible for the guest lecture and thus making the students eligible for the feedback. As soon as the guest lecture session ends, the students would be required to fill feedback forms which would lead to the generation of report
- Module 5: when the guest lecture session ends, the last module will be in action that is the Report generation. Here there will be generation of overall impact analysis as per the feedback form filling, a report would be generated. The report generated would show the overall response of the guest lecture on the students.

5. FLOWCHART





6. Future Scope

- With the help of this project guest lectures can be conducted on regular basis by various department. Thus, in the coming years the college will have great development.
- As the app combines different utilities on a single platform, this app built would open doors to new utilities added in the future.
- Hence, the application built would be very much useful to the students as well as to the teachers. The app would also be very much beneficial in reducing time and better utilization of human resources
- The time spent for the documentation can be utilized for other useful works. In addition to the problem of time, the app solves one of the major issues arising the paperwork which would help in saving the trees.

7. CONCLUSION

- With the help of this project the guest lectures can be conducted with ease. Hence, the application built would be very much useful to the students as well as to the teachers. The app would also be very much beneficial in reducing time and better utilization of human resources.
- This app will be beneficial in reduction of paperwork thus, would save trees.

8. REFERENCES

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