

ABSTRACT

The most common problem faced by students these days is related to Attendance. They get short of attendance because in the case of emergency, they are unable to send their leave application. Sometimes due to lack of cooperation they loose their attendance of workshops they actually attended and sometimes they do not even get the information about the upcoming events which would be beneficial for them. Our technique involves getting into groups and coming up with ideas, known as brainstorming, and this is a tried and true method. This technique has many variations. Keeping these problems in our mind and brainstorming over all the possible solutions, we generated an idea of creating an application which would solve all above stated problems. Through a vast discussion, we came up with our application. The idea breaks away from traditional thought and creates a brand new perspective. Our application mainly focuses on the fair distribution of attendance among students. It provides all the related details of working days, holidays, events & workshops taking place in the college.

KEYWORDS:**INTRODUCTION**

The most popular forms of coding in these days is the generation of applications or apps, that can easily run on our mobile phones on any environment like android, windows or IOS. Now a day, the technology is improving drastically. It is being used in every arena. None of field is left untouched by the growing influence of these mobile applications. The hardware and software capabilities of phones have been improved fastly. We are able to think that the current mobile phones are as strong as computers and even they are able to compete with computers.

Features of our application are as follows:-

- Our application mainly focuses on the fair distribution of attendance among students. It provides all the related details of working days, holidays, events & workshops taking place in the college.
- It provides overall as well as weekly attendance of student .Parents, faculties and students can get easily updated about their attendance status.
- Students can easily upload their leave applications online just on one click. The application will directly go to the concerned faculty and respective coordinators of student either after approval or without approval of parents. This will eliminate the redundant paper work.
- The application will also take the approval of parents of students to check the originality of leave application. This will reduce the frauds in application. Thus, a proper and fair distribution of attendance will be given to each and every student. A student thus will not be able to do unethical and wrong things.
- A proper section for attachments will be provided which will allow students to attach their medical and other documents.
- Student can also upload their official documents like caste certificate, fee receipt etc, certificates, achievements etc on this application.
- Application is quite helpful for maintaining records of students and helps in keeping an eye on the status of them.

TECHNOLOGY

Technology involved in our application is:-

- JAVA.

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- CS applied with ANDROID.

THEORY

This application is basically the destination from where the faculties can withdraw any required information of any student from the batch and the parents can keep an eye on their child's profile. Detailed features of this app will contain or allow following things-

PROFILE

Faculty: Every faculty will have a profile with public information available on it. And the information would be –name, class they are in charge of, cabin no.

Student: Every student will have a profile in which the public information section would contain- name, class, and enrollment no. , semester. The private section would have the softcopies of all the documents like caste certificate, semester results, sports certificate or any other qualification certificate.

College: A college profile would be maintained in which all the upcoming events would be would be mentioned with a brief introduction and also all the organized workshop would be mentioned with the details like who is eligible for the workshop? Certification is provided or not? Venue, date and how many days the workshop will take.

USERS

Faculty: Faculty would be allowed to see all the information including the private information of all the students of their batch and also they can change the information regarding their profile anytime.

Students: Students can only access to the public information section of any other student or faculty and will obviously have full access to their own profile.

Parents: Parents can generate their account which would be attached to their child's profile and so every parent can have a complete access only to their child's account.

LEAVE APPLICATION SYSTEM

Whenever required any student can upload their leave application on their timeline which would then generate a notification to the parents as well as the faculty about the leave and further the parents can approve the leave there itself which again would notify the faculty about the leave is approved by the guardians or not. This will help to reduce the paper work and loss of students attendance when they are not able to send the leave applications on time.

ATTENDANCE MANAGEMENT AND ACCESSIBILITY

Attendance of every student will be uploaded on their timeline on daily basis and the complications of the attendance will also get uploaded every month. Only faculties, Students and their parents can access their attendance check. This is also the solution to the bunk issues which are raising continuously.

SCHEDULED ACTIVITIES IN COLLEGE

All the students and faculties can access the college profile which will have all the records of all the upcoming events and workshops. Any student can then participate according to their need.

ADVANTAGES

These are the following advantages of our application:-

- Our application is eliminating almost complete usage of pen and paper. Today, we are left with less number of trees in world. Trees are being cut to make papers. So, why do we waste our precious paper in writing applications? Thus, our application is helpful in saving trees, a step for green environment.
- In India, most of the schools and colleges are not using this technology. They are still stuck up in old fashion of writing applications on paper. Authenticity of such approvals is also questionable. They may be fake. Thus our application is a revolutionary step towards the secure and more transparent way of submitting your documents which are genuine, certified and accurate.
- Approval of parents provides an assurance to faculties about originality of documents. In fact, apart from its contribution to green world and ease to our lives, our application is providing to be a milestone in the path of digital world. This is very new concept, untouched from major area of this country, can contribute largely in the boundless world of digital. This is very minor and unnoticed topic, but is crucial for almost every student in their day to day life.

- The application is also having an option of declining your leave consent. Thus, it's completely abolishing additional efforts of calling up to authority or sending any message from external sources. The application nearly takes few minutes and with its ready content, one can easily fill up all the required and essential details. The application, thus, is really saving time of all whether it is student, faculties or parents.

Apart from all these benefits of our application, it is providing some additional features also:

A unique id given to students and parents will take them to the student record of attendance, attending workshop etc. this will provide a transparency to parents. They can keep their eyes on their child's activities. Student would not be able to lie to their parents. Therefore, it will decrease the cases of fake attendance, unethical activities of students. The application is going to give all information regarding details, scheduling, topics etc of events or workshops organizing in campus. Even faculties will be able to figure out correct information about these events.

CONCLUSION

As you have seen above the common problem faced by students these days is related to **Attendance**. Due to some reason they are unable to send their medical or any other problem leave application to the concern faculty. That's why they are having short attendance. With the help of this application parents will have proper information about their child and concern faculties will have proper information about student. It also helps those students who regularly attend the classes but due to lack of coordination they are unable to inform concern faculties. On the other hand most of the students who are not attending classes usually get attendance because of fake reasons. Students are not able to cheat and this application helps to take action against those students who usually are missing lectures time to time as the result of academic, extracurricular, or personal conflicts.

Students are future of our civilized and developing nation. They are already engaged in their studies. They have to be skillful in every area. They should have surplus knowledge of everything apart from studies. They are already busy with their assignments, technical or papers, exams. So, why to waste precious time of future generation in writing up leave applications. This application is an effort to reduce their efforts. Not only students, their parents will also feel relieved as they can communicate better with faculties and guide their child properly. Faculties will also have relaxation from our application as all hustling and bustling of maintaining records get almost eliminated. Overall, the efficiency of our application is incomparable and its effectiveness will bring an ease to the life of studying students, parents and teachers.

REFERENCES

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