TEACHER TRACKING APPLICATION

Harsh Vardhan Pawar, Aditya Sinha, Noor Allema

Under Graduate Student, Department of Information Technology, SRM University, Chennai, India

Under Graduate Student, Department of Information Technology, SRM University, Chennai, India

Under Graduate Faculty, Department of Information Technology, SRM University,Chennai,India

ABSTRACT

The most common problem faced by students in an University is to find a particular teacher.This is due to the vast diversity in departments and faculties.This project emphasises on development of an android application which provide the current possible location of a faculty in a college according to his/her allocated time-table. It uses the concept of data mining and database. Any interested user can use this application to find the desired result of his/her query.It also uses the GPS in the particular teacher's phone to efficiently track them. It eradicates the problem of searching for each faculty in whole college. We understand that this project cannot be accomplished with divided thinking. Hence, our technique involves getting into groups and coming up with ideas, known as brainstorming, and this 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 the proposal. The idea breaks away from traditional thought and creates a different perspective. The Teacher Tracking Application is an Intranet based application that can be accessed throughout the organization or a specified group/Dept. There are features like email notifications, report generators etc in this system. It provides the ready (probable) status of a faculty.It provides efficient time management to a student.

Keyword : - *Teacher tracking, brainstorming, intranet based application, , report generators.*

1.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 days, the technology is improving drastically. It is being used in every sphere of life. None of the field is left untouched by the growing influence of these mobile applications. The hardware and software capabilities of phones have been improving 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 providing the details of the teacher to the students. It provides all the related details of working days, holidays, substitutions etc about the teacher.
- It provides daily as well as weekly schedule of faculty. Parents, Students can get easily updated about the particular staff.
- Application is quite helpful for maintaining records of teachers and helps in keeping an eye on the status of the records.
- The application also notifies the student if the particular teacher has gone for a substitution period or has left the college.
- The application cant be accessed after the college timing hence providing privacy to the faculties.

OBJECTIVE: -
- It provides the ready (probable) status of a faculty.
- It provides efficient time management to a student.

IDENTIFICATION OF NEED: -

Teacher Tracking System is very convenient to implement, easy to understand and also easy on implementation. The need of designing such Software is to provide the Administration a better way for scheduling & balancing work load by maintaining leave details of the staff and students. It reduces the human efforts of checking the papers for schedule of teachers manually and maintaining it in folders and files.

2.2 FEASIBILITY STUDY: -

Feasibility studies aim to objectively and rationally uncover the strengths and weaknesses of the existing system or proposed venture. In its simplest term, the two criteria to judge feasibility are cost required and value to be attained. As such, a well-designed feasibility study should provide historical background of the project. Generally, feasibility studies precede technical development and project implementation. The assessment of feasibility study is based on the following factors:

      1) Technical Feasibility
      2) Operational Feasibility

2.21 TECHNICAL FEASIBILITY: -

Generally, feasibility studies precede technical development and project implementation. The assessment is based on a system requirement in terms of Input, Processes, Output, Fields, Programs, and Procedure. This can be quantified in terms of volumes of data, trends, frequency of updating, etc., in order to estimate whether the new system will perform adequately or not.

Technological feasibility is carried out to determine the capability, in terms of software, hardware, personnel and expertise, to handle the completion of the project.

2.22 OPERATIONAL FEASIBILITY: -

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.

The operational feasibility of the system can be checked as it solves the problems and reduces the complications occurring in the paper-pencil test.

CONCLUSION OF FEASIBILITY STUDY: -

      1) Technical Feasibility: The system can be implemented using computer software & hardware.

      2) Operational Feasibility: The system efficiently operates & reduces manual computation and time of processing, reducing cost of paperwork and human errors.

2. THEORY: -

This application is basically the destination from where the faculties can withdraw any required information of any student from the batch . 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 personal attendance chart.

 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.

TEACHER TRACKING SYSTEM: -

Whenever required a student can track the location of teacher. It will save student's time as well as will help him/her to manage the time.

TIME -TABLE MANAGEMENT AND ACCESSIBILITY: -

Time table of every teacher will be uploaded on their timeline on daily basis and the complications of the searching will also get uploaded every day. Only faculties and Students access it. This is also the solution to the bunk issues which are raising continuously.

1.1 EXISTING SYSTEM

The existing system only tells about whether the teacher came to college or not. This is the biggest disadvantage as it does not tell the location of teacher if they came to college

1.2 PROPOSED SYSTEM

The proposed system helps to find teacher in very short time. Usually, the problem is finding or searching another teacher in a large organization is a tedious task because one teacher need to search that particular person in large organization and also sometimes teacher cannot call to another teacher for searching them . This problem can overcome with help of teacher location tracking system.
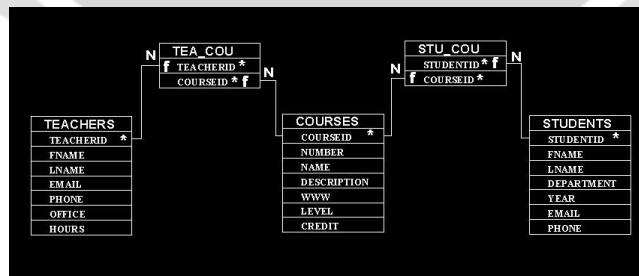
2. DATABASE STRUCTURE

Fig -1Database Structure

2.1 MODULES

Any interested user can use this application to find the desired result of his/her query. It eradicates the problem of searching each and every faculty in whole college.

2.2 NUMBER OF MODULES

After careful analysis the system has been identified to have the following modules: -

- Registration
- Admin
- Student
- HOD
- Class in charge

REGISTRATION

This module is used to new user/student can add their details in the form. students can register their personal details in the system

ADMIN MODULE

The initial step which is handled by the admin module is to create a unique user account for each student and faculty member in the organization. This module handles the administrative functions of the system and is used by the head of the department.

HOD

This module is having the power of leave verification of the students or staff. HOD is able to see the record of students.

ADVANTAGES

1. It provides the ready (probable) status of a faculty.
2. It provides efficient time management to a student.

4. CONCLUSIONS

The aim of this system is tracking a teacher"s location in the college by using computer based system. The main aim of this system is reducing time for finding a teacher in the large organization and also reduces physical stress.

5. ACKNOWLEDGEMENT

6. REFERENCES

1. Tracking System module.
2. *https://www.nycenet.edu/offices/dhr/ntims*

BIOGRAPHIES

	Harsh Vardhan Pawar Under graduate Student, Information Technology at SRM University Ramapuram Chennai(TN
	Aditya sinha Under graduate Student, Information Technology at SRM University Ramapuram Chennai(TN
	Mrs. Noor Allema Faculty of Information Technology, SRM university Ramapuram.