Diploma Resource Locater Application

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Abstract: *this project mainly aims to provide an accessibility of all the diploma study material and to provide doubt solving chat-bot through android application. It additionally utilizes a database to store data about the student or user who created account in the application. This system has login, only for the user side. In this project, diploma study material has been provided.It is an android application and is built on of the most secure platform used to develop android application nowadays. Provide most custom UI Component, Views and method to interact with the application. It is an application for diploma/polytechnic students to get access to all kinds of study material required for diploma students in e-data format, which is very useful as it reduces paperwork, It also reduces load on student to get proper study material. The user can not only view the study material but also download on their devices. This system was intended to develop an android application to perform functions like viewing study material also downloading it. So,users/student don't need to wait for teacher to provide notes, sample micro-project report, solvedmanual, etc. This system is auxiliary for student to get access to study material as well as doubt solving chat-bot. Users can get an access to study material from anywhere and anytime. There isno desideratum to use of paper, now additional cost for available micro-project. The benefit of this project is it provides easy access to study without wastage of paper, help student in submissionworks by providing sample micro-project reports. The notification will notify user/student of particular branch and semester if there is any update made by the admin in study material. This system aims to generate an android application which will simply reduce the load of student aboutsubmission and micro-project format. Student can focus on their studies without getting panic for those study material.*

I.INTRODUCTION

We have opted for the android study platform to develop our project, to deliver secure, dependable, time-efficient solution, comfortable, affordable, bug-free and cost efficient" services for diploma/polytechnic students, although the cost of providing this service has been substantial. The Android Platform is one of the most popular and important technologies now a day for developing android application. It is heavily subsidized by the regime and is reportedly in the red, like most ofIndia's state-run road convey undertakings. Therefore, we came up with a concept that can have a positive impact on our community of diploma students. As per the previous system before the implementation of this system, individuals in our diploma student's community were required to get study material in hardcopy format from our teacher's, Seniors, etc. however, this system has provided a way to streamline processes and simplify tasks for the diploma student's. Simply reducesload of student's about getting study proper material in well maintained manner. By registering students can create their account for accessing data in the application, over the Internet, within a fraction of second. Furthermore, students don't needto pay any amount for accessing the study material except micro-project. Hence, there is a need for this kind application for betterment of diploma students and secure. We have identified certain limitations in the current process of organizing and accessing study material, and we have come up with an innovative idea to enhance the student's experience and to save time.With our system or we can say application, student can access study material required for diploma at any time anywhere.[1]

A. Literature survey:

This project provides an efficacious solution for accessing study material required to diploma students using real- time database. This system provides an android application for diploma students to get access to study material required for diploma aspirant. The study material is in '.pdf' format. This system provides various feature such as result viewing, user login-logout module, various downloadable as well as viewable study material. The application provide a feature of doubt solving chat-bot like chat-GPT. To implement this chat-bot we have implemented chat-GPT community API. To build secureapplication we have used one of the most secure programming language in today's world. Java language is used build the application's backend. [4]

1) Normal system:

In today's technological and rapid Country where every field of stream is getting a vast boost by implementing tech-solution to the field. In this case, we have understand the problem faced by diploma/polytechnic students. Generally students from SSC get enrolled to post SSC diploma courses, but those student face a lot problem to get well maintained manual, notes previous year question papers, sample paper, etc. The application is one of the best possible solution to this situation.

There also a gap between student and teacher. As teacher is unable to solve the doubt of students in 24*7 (at any time).

So there is also a need of 24*7 doubt solver for student.
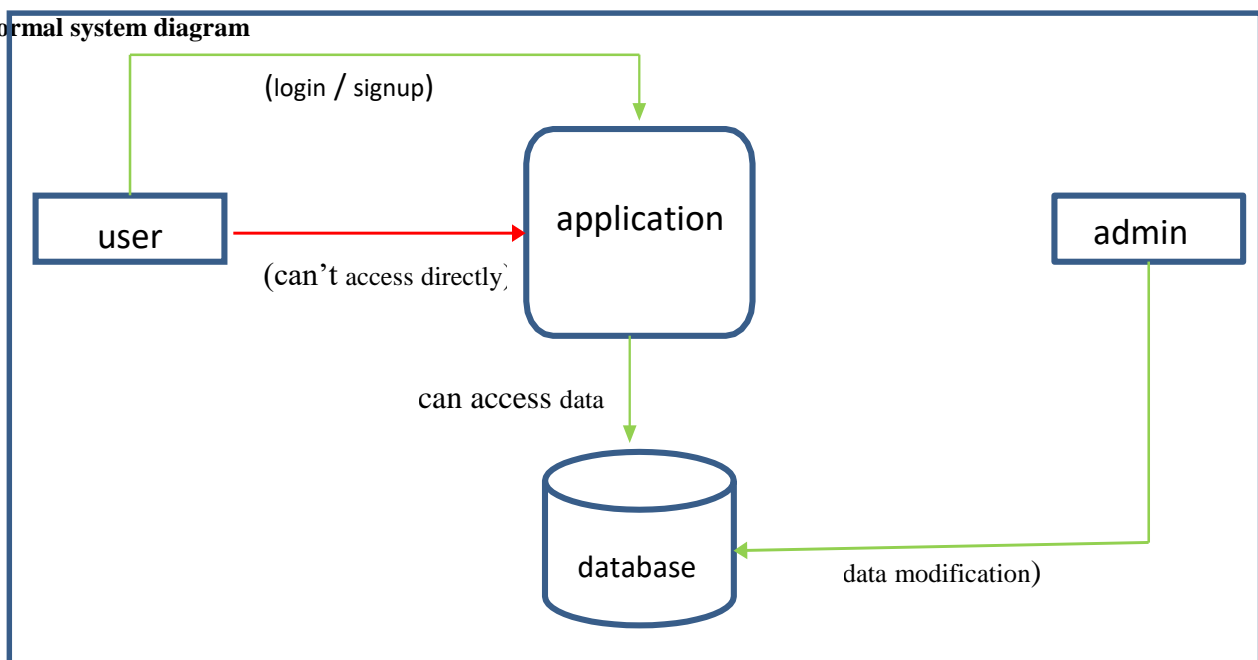
2) Existing system:

Generally diploma aspirant has to get all the study material either form their teacher or senior. In most of the cases faculties provides notes but student have to take running notes in lecture which not much compatible with all the students. Students don't have any idea how the micro-project should be made, as a result they hast to face a lot of denies from the faculty about project. This the fact that a teacher can't solve the doubt of whole class of average 60 students due to time constraint. This problems can be tackle with some tech-solution, and we tried to build one of the solution to tackle this situation. [2]

3) Proposed system:

The project intents to reduce the effort taken by student to get proper study material and building micro projects. Itwill save the valuable time of students and then they can save their time and focus on their studies as well as on their academics.
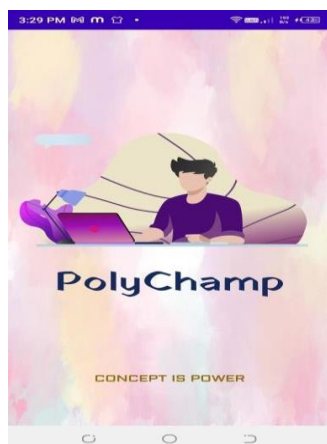
Right now there are all most 13 lakh students enrolled in MSBTE's diploma courses. While completing this courses studenthas to go through near about 6 semester. Each semester contain 5 to 6 program (Subjects). Every subject has lab manual, micro project and assignment, and students are expected to complete lab-manual, work on micro project and assignment. This application bless students with solved manual, sample micro project report of corresponding subjects. Simultaneously the application provide various feature such as well-maintained notes, allow students to see their result. It also notifies students with all MSBTE updates and exam timetable. This application will definitely provide great value addition to academics of students. [3]

- **Normal system diagram**

Normal system diagram

- **Actual working application:**

II.SCOPE OF THE PROJECT

In this current situation, an application providing all the diploma study material with micro project, notes, project report, and the cherry on the cake is chat-bot for students doubt solving at any time anywhere has added an extra value to the life of application user. Diploma Resource Locater Application is an android application named as 'POLYCHAMP' thatensures the availability of every diploma study material for various diploma branches under MSBTE. Beyond a study materialprovider it can also be used to view result. Project also embeds a segment for student's doubt solving known as 'ASKCHAMP'. The system can be enhanced by implementing live lectures and recorded lecture's module. Such that students can be able to attend those lecture's and improve their performance at academics. MCQ Mock test module can be implemented in order to help student while preparing for subject's which has exam in online MCQ mode. The core concept module can be implemented in order to help student to grasp core and basic concept.[2]

Scope:

a. It is efficient at any time and place and it does not consume time and reduces paperwork.
b. Moreover retrieving data is quick and easy, hence it reduces time.
c. It also saves paper and eventually environment.
d. If used as full time study material resource, it will reduce weigh of student's bag.

III.ACKNOWLEDGMENTS

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