Student Duniya for providing Centralized Academics Solutions using Agile method

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Abstract: **Now-a-days, with changing in education system and changing methodology, students face many problems finding right material and reference for learning. There is the unavailability of centralized data and hence many problems like increasing irrelevancy in data, struggling for study materials, and spending hours collecting question papers of college computers and libraries. Seldom did we find whatever we needed in time, and rarely the accurate ones. Only because of this, did our team take an initiative to revolutionize how we gather our syllabus related materials.**

Students can directly access all the academic material and notes provided by college professor and tuition teacher. Admin has authentication to update and delete the data if he finds inappropriate. The website utilizes user authentication displaying only necessary information. All data stored in database which having the security through laravel and jQuery for validation.

Keywords: **Agile method**

1. Introduction

A project name itself signify the project is for students. This project is a portal for students, institutions. Student Duniya serves as a platform that allows teachers to build online courses on topics of their choosing. Student Duniya is also an outlet that gives you free marketing and promotion. By creating a course on the site, you have a potential audience of thousands of people.

Students can view training institute nearby, for doing internship or training of latest courses. This website discusses the role and importance of an educational website in providing better opportunities for students. The existing website is also provided university question papers, but it takes lots time for surfing, searching and downloading. The website does not provide academic material to refer.

Student Duniya is developed for reducing time consuming efforts. Rather than go from one webpage to another it provides centralized hub of academic data for users to access whenever and wherever it is required and provide easier way to quick search and surf the academics notes.

[1] The goal of Extreme programming is to improve software quality and responsiveness to changing customer requirements. Extreme programming improves a software project in essential ways. First is planning in which the project is divided in iterations. Second is managing in which team is given a dedicated open work space. Third is coding in which as per the standards, code is written, test driven development code is used. Fourth is designing. Last one is testing in which all code should be unit tested and should pass before it can be released.
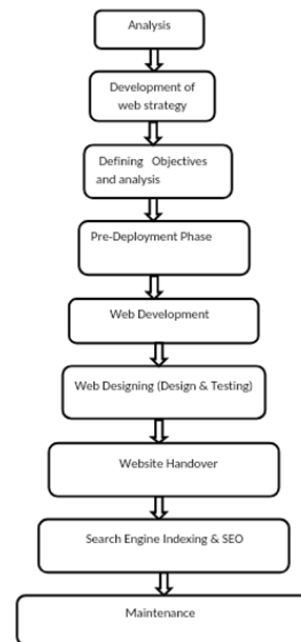

Fig. 2. Data flow diagram

[2] The MVC design provides ease in the process of web developing. The use of laravel framework helps the programmer in the development of large scale of applications that involve a lot of people in it. With the laravel framework, the code will be organized so that it can be easily understood by other programmers. In the web technology of three-tier structure, the database is not direct service to each client, but connecting to the web server, to achieve dynamic, real-time and interactive for customer information services. Web server acts as proxy for client, also a client for database. It will integrate information from different sources and different formats together into a unified interface to the client browser.

Laravel is a web application framework that tries to ease the development process but simplifying repetitive tasks used in

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most of today's web applications, including but not limited to routing, authentication, caching and sessions. This vertically integrated web development environment is meant to offer an improved and smooth workflow for the developer.

2. Methodology

Agile methodology is used for the development of this project followed by Extreme programming. The agile method is approach to project management that is utilize in software development. This method assists teams in responding to the unpredictability of constructing software. Agile methods break the product into small incremental builds. The goal of Extreme Programming (XP) is to improve software quality and responsiveness to changing customer requirements.

3. Implementation

Fig. 2. Laravel Framework

Fig. 3. Student and Tuition module

Fig. 4. Quick find search button

Fig. 5. Question paper form

Fig. 6. Tuition paper details

Fig. 7. Student Duniya enquiry detail form

4. Related work

The existing system is web application that based on the MVC model but having certain drawbacks which are covered in the website. In previous system the time taking and long step by step process will cut down on this system as well as it provides academics notes along with downloading and searching facility. The new module also take place for private institutions to promote their name and get connected with students of various colleges.

5. Proposed system

Proposed of Student Duniya is to provide centralized data of academic's material and study notes, for users and gives a portal for tuition admin to promote their institute as well as interact with each other in one platform.

6. Objectives

a) Provide online platform for a user to access, search, surf and download the academic notes.
b) Reduce the access time
c) Get detailed academics notes
d) One platform for all task

7. System design

A. Data flow diagram

Data flow diagram shows the flow of the project in a graphical way. It represents the flow from start to end to visualize the process of the project. We are having three main modules namely:

a) Student module
b) Institution module
c) Admin module

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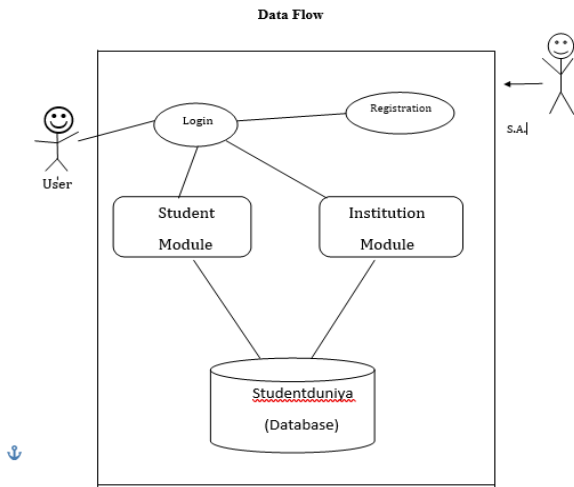
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Fig. 8. Dataflow diagram

B. Detailed structure

The web application has login system by dividing into two categories viz. student login and admin login for access through the system and maintain their profile for future uses.

The student login for the user's and admin login for the institutional head and admin panel. System maintain all the data of user's and secure them.
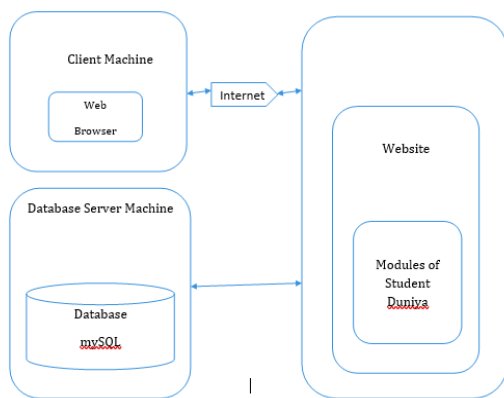

Fig. 9. System architecture

1) Student module

Student or user must create their own profile by registering themselves with fulfilling registration form

a) Student login with his/her email and password.
b) Students fill his Personal Details, Educational Detail, Professional Detail.
c) Student also view their details and make changes for their future opportunity.

2) Institution module

The institution module also has the registration process. After the registration they get their own portal or space to promote their institute and make their domain name followed by Student Duniya.

a) They can upload academics notes, make advertisement and upload videos.
b) According to changes they can Add, Edit, Delete and update the information.
c) It gets platform for themselves to promote their names and communicate with students.

3) Admin module

Admin is the one who keeps track of all the operations within websites. Admin has a right to update and delete the data of user's if it seems inappropriate.

a) Managed student details.
b) View company details and approve company profiles.
c) Managed and monitor company details.

8. Conclusion

Student Duniya helps the student to get academic data and quick access to information. It is less time consuming and efficient way to get data. It's easy to use and surf by creating our own profile and helps to find nearby institute and get their own institutional notes. This project will help students to enable the access to a centralized database.

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