

# STUDENT LOUNGE

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## ABSTRACT

*Student Lounge is the web application in which students can find out all the things required for them in one place. It also consists of features like College Notification, College Placement Review and Question bank. College notification provides useful information useful the college. Placement Review gives the information on number of students getting placed every year. Question bank will contain question bank and sets from all subjects and departments. Teachers from respective departments will be uploading question banks and sets by logging in to the web application, Students can access this anytime.*

**Keywords :** - Content Management Systems, Find papers, Question bank, Placement review, College updates.

## 1. INTRODUCTION

The Student Lounge has the ability to solve the problem according to the student requirement related to the Question papers and placement reviews, furthermore it has the ability to show what is happening. Placements, not depending when and where. This web application is built to contain all the happenings which is mainly going on in 4<sup>th</sup> year and it will give the solution which are not available on other applications which are being used in colleges.

### 1.1 Resolution

The resolution of this project is to make easier when they are in need of question papers and when they are in 4<sup>th</sup> year to know what is required to get into placements. Students will be using this web application made by us and technically we are making this so that it could be further used by university now or in future as well. It consists lots of features. College notification provides useful information useful the college.

### 1.2 Placement Review and Scope

Placement Review gives the information on number of students getting placed every year. Question bank will contain question bank and sets from all subjects and departments. The scope of this project is to make the work for students easier when they are in need of question papers and when they are in 4<sup>th</sup> year to know what is required to get into placements. Students will be using this web application made by us and technically we are making this so that it could be further used by universities now or in future as well.

## 2. METHODOLOGY

Database server functionality and some DBMSs like MySQL rely exclusively on the client-server model for database access. Such a server is accessed either through a front end running on the user's computer which displays requested data or the backend which runs on the server and handles tasks such as data analysis and storage. In a master-slave model, database master servers are central and primary locations of data while database slave servers are synchronized backups of the master acting as proxies. Most of the database servers works with the base of the query language. Each database understand its query language and converts it to the server readable form and execute it to retrieve the result. Every server uses its own query language and structure.

### 2.1 Domains Used

#### CSS:

Cascade Style Sheets is a style sheet language used for describing presentation of a document written in markup language. It is a cornerstone technology used by many websites to create visually engaging web pages, user Interfaces for web and mobile applications. Filename Extension is ".css" It is designed to enable separation of presentation and content including aspects such as fonts, colors and layout. CSS specifications are maintained by World Wide Web Consortium (W3C), which operates a free CSS validation service. CSS has a simple syntax. Elements are specified by a attribute such as id and class. These are case sensitive, start with letters and alphanumeric characters and underscores. CSS can define color, font, text alignment borders, layout. Using CSS, same element can be coded using style properties instead of HTML attributes. CSS also has inheritance feature which relies on the Document tree which is hierarchy of XHTML elements. Properties inherited are color, font, letter spacing Provides publication of contents in multiple presentation formats.

#### HTML

New page structured elements such as `<main>`, `<section>`, `<article>`, `<header>`, `<figure>` were added. Polyglot markup have been standardized as modules. It consists of elements, attributes. For example `<footer>` which usually refers to Last lines of HTML code. `<nav>` refers to website Navigation block. HTML5 is no longer based on SGML which is a Standard Generalized Markup Language. New API's such as Canvas, Drag-and-drop, MIME type, Micro data, Web Messaging and Web storage have been introduced. HTML5 cannot provide animations within web pages. It is designed such that old browsers can safely ignore new HTML5 constructs. It provides scripting API's, can be used with JavaScript API and Document Object Model are now the Fundamental parts of HTML5 specification. It is extended to XHTML5 (XML-Serialized HTML5).

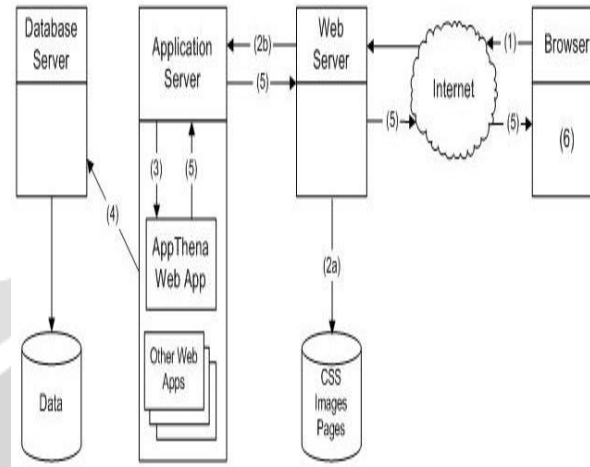
#### JSP (JAVA SERVER PAGES):

Technology that helps software developers create dynamically generated web pages based on HTML, XML. It is similar to PHP and ASP, but it uses Java Programming Language. Filename extension is .jsp To deploy and run Java Server pages, a compatible web server with servlet container, such as Apache Tomcat or Jetty is required. It has high-level abstraction of Java Servlets . Each JSP servlet is cached and re-used until original JSP is modified.

#### JAVA SCRIPT:

It is high-level, object-based, interpreted Programming language. Majority of websites employ it and all modern web browsers support it. Filename extension is ".js". It has API for working with tet, arrays, dates, and the regular expressions of DOM. Java Script engines are now embedded in many other types of host software. JavaScript available for writing mobile and the desktop applications. It supports much of the structured programming syntax. It makes distinctions between expressions and statements

### 3. ARCHITECTURE DIAGRAM



**Fig 1.1 Architecture Diagram**

A database server is a computer program that provides database services to other computer programs or computers as defined by the client- server model. The term may also refer to a computer dedicated to running such a program. Database Management system frequently provide .Database server functionality and some DBMSs like MySQL rely exclusively on the client-server model for database access. Such a server is accessed either through a front end running on the user's computer which displays requested data or the backend which runs on the server and handles tasks such as data analysis and storage. In a master-slave model, database master servers are central and primary locations of data while database slave servers are synchronized backups of the master acting as proxies. Most of the database servers works with the base of the query language. Each database understand its query language and converts it to the server readable form and execute it to retrieve the result. Every server uses its own query language and structure.

#### 3.1 MODULES USED

**DESIGNING(Front End)-** In this module we have done the front end designing HTML for the layout ,CSS for the font styles and to look our web application adorable. Java Script is applied on some web pages for the front end coding.

**BACK END-** In back end procedure, Java is applied as well as MYSQL is also there for the database management.

#### **HOME PAGE:-**

It consists of various navigations to the components of the web application. It consists of Teacher's login into the website, Information, Finding the previous year's question papers, Placement Reviews and the information about the students who recently got placed in a particular company.

**COLLEGE NOTIFICATION:**

It is used to circulate real-time information to the students of the college. It involves declaration of holidays, and any other Information applicable for whole college. It also gives the information about any events which are ongoing in the campus. It is also useful for giving circulars and gives information about seminars in campus. It can be very useful for students and faculty.

**PLACEMENT REVIEW:**

It offers information about final year placements. It also gives Information about the number of students get placed in the different campuses. It also provides information about the company and the package. The members who got placed can give the detailed information about the resources of the company. They can share their experience in the company. They can provide information about the training initiatives in that particular company.

**QUESTION BANK:**

It contains question banks and previous year's question papers from all subjects and different departments. It contains separate login so that teachers can upload Question banks and papers according to student's convenience. From Google drive students can easily access all these contents. It is the best way for the students to prepare before the exam. It is helpful for both students and faculty of all respective departments.

**EXISTING AND PROPOSED SYSTEM:**

As it's known, there are already website as well as attendance counting application available, but none of them help the students when it comes to getting high scores in exams or to tell what exactly an individual needs in academics or in technical aspects. Our web application has the ability to overcome this existing system by providing the means for it. previously the applications which are running in colleges has the disadvantage of less users facilities. Our web application will overcome this flaw.

**FUTURE ENHANCEMENT:**

The resolution of this project is to make the work for students easier when they are in need of question papers and when they are in 4<sup>th</sup> year to know what is required to get into placements. Students will be using this web application made by us and technically we are making this so that it could be further used by universities now or in future as well.

**4. CONCLUSIONS**

This web application Student Lounge serves as a best place for the students. College Notification provides any wanted information related to the college. Placement Review gives information about the number of students getting placed. Question Bank helps students to find all the required question banks and papers at one place. Once this web application gets into equation, both the students and the faculty will get benefitted.

## 5. REFERENCES

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