

# A MAJOR PROJECT SYNOPSIS ON “LU SPACE”

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# INTRODUCTION

## **Problem -**

During covid pandemic , i have seen so many student facing difficulties in getting proper notes of all subjects ,they were confused about class schedule and they were not able to get official notice on time so i thought this is not a small issue , this is a big problem which must be resolved .  
then we decided to make a website from where the student can easily access notes , they can get easily class schedule and official notices .

## **Project Description -**

Creating a website that would help all student of our university . if any one want notes , notice , class time table and any other details regarding college they can easily access from this website .

## **Scope of the work -**

It creates a workspace where students can access all the important things from anywhere with ease. It helps to create a common platform for multiple things which can be managed from one place. It will store all the current and previous records which helps to manage things easily and saves more time and energy.

# METHODOLOGY

## **AGILE development model -**

The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.

The Agile Manifesto of Software Development put forth a groundbreaking mindset on delivering value and collaborating with customers when it was created in 2001. Agile's four main values are:

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan

# TOOL STACK

## 1. FRONTEND

### HTML:

HTML stands for Hypertext Markup Language, and it is the most widely used language to write Web Pages.

- **Hypertext** refers to the way in which Web pages (HTML documents) are linked together. Thus, the link available on a webpage is called Hypertext.
- As its name suggests, HTML is a **Markup Language** which means you use HTML to simply "mark-up" a text document with tags that tell a Web browser how to structure it to display.

Originally, HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers.

Now, HTML is being widely used to format web pages with the help of different tags available in HTML language.

### CSS:

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

### **JAVASCRIPT:**

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

JavaScript was first known as LiveScript, but Netscape changed its name to JavaScript, possibly because of the excitement being generated by Java. JavaScript made its first appearance in Netscape 2.0 in 1995 with the name LiveScript. The general-purpose core of the language has been embedded in Netscape, Internet Explorer, and other web browsers.

## **2. BACKEND**

### **PYTHON:**

Python is a high-level, interpreted, interactive and object-oriented scripting language. Python is designed to be highly readable. It uses English keywords frequently where as other languages use punctuation, and it has fewer syntactical constructions than other languages.

Python was developed by Guido van Rossum in the late eighties and early nineties at the National Research Institute for Mathematics and Computer Science in the Netherlands. Python is now maintained by a core development team at the institute, although Guido van Rossum still holds a vital role in directing its progress.

## **DJANGO:**

Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern. The Django is very demanding due to its rapid development feature. It takes less time to build application after collecting client requirement.

This framework uses a famous tag line: The web framework for perfectionists with deadlines.

By using Django, we can build web applications in very less time. Django is designed in such a manner that it handles much of configure things automatically, so we can focus on application development only.

## **SQLite:**

SQLite is an in-process library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. It is a database, which is zero-configured, which means like other databases you do not need to configure it in your system.

SQLite engine is not a standalone process like other databases, you can link it statically or dynamically as per your requirement with your application. SQLite accesses its storage files directly.

## **ADVANTAGES OF THE PROJECT**

- Anyone can easily access this website from any platform.
- Teachers can provide notes to students in the website
- This website is helpful for students for getting notes, notices, class schedules etc.

## **REFERENCES**

- <https://developer.mozilla.org/en-US/docs/Web/HTML>
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