Project Member:

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Project Supervisor:

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Problem Statement:

This Project consists of two web based systems. They are Generic E-Learning system and Semantic Search Engine system. The main objective of this project is to develop the Generic E-Learning Web Application :"Alpha Zone" for students who are studying in college or University.

Objectives of E-Learning Framework:

The objective of this E-Learning framework is to create new learning process Environment. In other words, it is a move to take the current learning practice to the next level with help of advanced technologies like Javascript ,css3,HTML5,PHP etc.. The main aim of this framework is to create the E-Learning system with the quality of learning. Users of this Web Application could be any one,if anyone wants to study from this Web Application they can simply use it after Sign in.This Web Application will provide them Soft Copy of HandWritten Notes and Soft copies of Standard Books.if any user wants to contribute some handwritten notes or Books they can contribute it with the help of this web application-"Alpha zone". The Working of Web Application project is like GeeksforGeeks.So this project is going to be very helpful for college going students.This framework ensures the extensibility, portability, compatibility and adoptability.

Motivation towards This Work:

There are a number of trends impacting the increased use of E-Learning. Sometimes some students are not able to study in right time due to their health issue or sometime

other personal issues for their academics so they suffer from huge loss of study.In this Web Application they can study from Handwritten notes or by standard books. This Web Application is going to be very help for Engineering students.

>>*It is a smart learning Web-Application for College going student.*

>>*This Web Application can be use by multiple people at the same time.*

Project Planning:

Tasks	Duration(5 July 2020 To 5 November 2020)				
	July	August	September	October	November
Understanding Problem	▼▼				
Topic Finalization		▼▼			
Project Synopsis		◆			
Wireframe		▼▼			
Mockup + Review		▼▼			
Learning CSS3,BOOTSTRAP		▼———————————▼			
Learning react and JavaScript		▼————————▼			
Content creation			▼▼		
Model Implementing			▼————————▼		
Testing and Review				▼▼	
Launch					LIVE

After Finalization of project this project will be started from august, in this project web designing part will be done with the help of CSS3 ,bootstrap4 and j query. This project mainly focused on front-End web designing. Project implementation will be done till last of october.

Methodology:

Both student and teacher can use this Web Application.They need to have search Alphazone.in in search engine search bar.Then they can signin in home page otherwise they can also use it without Sinn-in. After successful signin they will lend to the home page of the website.In homepage there are multiple searchbar will be there for different books and handwritten notes for their specific stream. If anyone wants to download pdf

of notes or books they can download it otherwise they can open it online.This project will also provide notes contribution method like GeeksForGeeks .Anyone can contribute their handwritten notes or standard book pdf through contribution methodology.This Website mainly consists of content of subject of Computer Science.

Feasibility Study/Literature Survey:

The proposed work will enable remote learning. It is cost effective and makes use of expert knowledge. It will also reduce human intervention and improve the quality of education.e-learning is reliable, dependable and accessible around the clock via an internet connection.

Future Scope:

Many of the universities and colleges are conducting their course online and also seminars will be provided online. The e-learning scenario in India is still growing and at an experimental stage. India's education policy has largely neglected the opportunity of benefiting from this technological revolution in education. E-learning is not only inexpensive, but also convenient. Yet there are huge digital divides which need to be bridged on an urgent basis. Indians however are more inclined to conventional methods of classroom training thus accepting e-learning is a major hindrance.

What Contribution would the project make and where:

This project not only for students ,faculty can also use this web application for their students. After launching of this project ,the student who are not able to attend the college classes they can study here from handwritten notes so it will be huge impact on study growth for students.

Scope of extension into a major project:

Project is based on Web technology so it easy to expand this project into major project. Major project will contain addition of live classes through cloud and here user will get their own workspace for their study material . in Simple term in major project it will be based on cloud computing like ZOOM.

Advantages and limitations:

A. Advantages

>>No need to study from heavy books

>>Student can study from both indoor and outdoor.

>>No need to spend money in courses

>> Availability of HandWritten Notes.

B. Limitations

>>High Speed Internet Should be there

>>No face to face interaction

Hardware & Software Required:

1. Hardware Required:

>>Personal Computer with minimum of 4GB Ram and corei3 Processor

2. Operating System Required:

>> Windows OS

3. Software Required:

>>Apache NETBEANS IDE 11.3

>>Adobe Photoshop version 7

>>Github Desktop 2.5.3

>>Adobe XD version 24

>>NetBeans By Jetbrains

>>WebStorm

4. Language and framework required:

>>Node Js 12.18.3

>>Bootstrap 4 / 5

>>HTML5 and CSS3

>>J Query 3.5.1

>>MongoDB 4.2.8

>>Next JS9.5.2

5. **Browser Compatibility:**

    Google Chrome and all other Software

6. **Platform Required:**

    Internet Browser

Conclusion:

E-learning is not just a change of technology. It is part of a redefinition of how we as a species transmit knowledge,This Website is not only useful for GLA student it will be beneficial for all the students and teachers of all the Universities and colleges.

Signature of Project Guide:

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