TERM PAPER

INTRODUCTION

1.PURPOSE

The website is used to deliver course material, lessons, quizzes, and other forms of content to students in an online format. The website can be designed to provide an interactive and engaging learning experience for students, allowing them to participate in quiz and get a certificate of validation at the end. By offering courses online, the website can make education more accessible to a wider audience, including students who may not be able to attend traditional in-person classes.

2. SCOPE

The scope of an online course website project refers to the specific features, functionalities, and deliverables that are included within the project. The scope of the project will depend on the goals and requirements of the project, as well as budget, timeline, and other constraints.

3. DEFINATIONS, ACRONYMS AND ABBREVIATIONS

Here are some commonly used definitions, acronyms, and abbreviations related to our online course website- The Social Knowledge':

LMS (Learning Management System)
MOOC (Massive Open Online Course)
API (Application Programming Interface)
CMS (Content Management System)
NPM (Node Package Manager)
VS Code (Visual Studio Code)

LITERATURE SURVEY

EXISTING SYSTEM

There are only handful websites that provide courses to students but charge a wholesome amount of money in return. There was no such learning platform that will provide knowledge to a student on a particular coding language along with validation with certification for free.

PROPOSED SYSTEM

In this system the student no need to go manually to a place to study and can study from there comfort place. All they need is a laptop/desktop or can access even from their mobile phones. This is a website that will provide a free certification of validation to the students who will complete 80% of the course with no foul play or cheating in any of the tests.

FEASIBILITY STUDY

Financial Stability: The price of the equipment will not be too high and no cost will be charged from the people so it can be accessed by anyone with zero charges.

Technical feasibility: Each of the hardware and the software used are freely available in the market and the technologies used are open source which means anyone can contribute in these technologies.

Economic Feasibility: Economic feasibility defines whether the expected benefit equals or exceeds the expected costs. It is also commonly referred to as cost/benefit analysis.

Operational Feasibility: Operational feasibility is the measure of how well a proposed system solves the problems with the users.

METHODOLOGY

System requirements:

To develop an educational website where the user can learn about C++.

The website should contain different course pages in blog format.

Require a test for validating the study and a certificate if the test is completed successfully which would be sent directly to the mail of the user.

Tab switching should be prohibited.

Visualization of algorithms for better understanding.

A chatbot for assistance of the users and also the contact of the owners.

A database for storing and validating the test.

CONCLUSION

"The Social Knowledge" provides various aids to people willing to get knowledge from online platforms for free.

- At the end of this project, we expect that our website is capable of giving desired output to the users and is able to help them.
- The main goal of the project is to help the Student, teachers, and make their life easy by providing a course for them which can be accessed from the place of their comfort.
- At the end of this project, we expect that this project will be able to provide various templates to users for resume builder which will be better than many online platforms available.
- The website can be made more flexible and scalable using these recommendations. Please note that the system implemented here is just a prototype of idea presented via this project.

The recommendations are as follows:

The system can be made for more number of courses rather than only for C++. It can provide knowledge and insight to more languages to enhance the understanding of the person.

The course can contain more depth knowledge about the language and more number of test cases and quizzes for better understanding.

A complier can be added in order to run the codes as a test for the knowledge gained by the user.

REFERENCES

1. HTML: https://www.w3schools.com/tags/ CSS

2. CSS: https://developer.mozilla.org/en-US/docs/Web/CS

3. JavaScript: https://developer.mozilla.org/en-US/docs/Web/CSS

4. Certificate generation: https://www.youtube.com/watch?v=2-9H4c5bHRw

5. Designing of the website: https://dribbble.com

6. Icons accessed from: https://kit.fontawesome.com

7. Minorcodefixes:

   https://www.google.com/search?q=stackoverflow&rlz=1C1O NGR_enIN974IN974&oq=stackoverflow&aqs=chrome.9i57j0i 10i512j0i512j0i10i512j69i60l3j69i64.5859j0j7&sourceid=chr ome&ie=UTF-8

8. JavaScriptLanguageknowledgefrom:

   https://www.youtube.com/results?search_query=apna+colle ge+javascript+full+course