



SYNOPSIS

ON

LEARNING CATALYST

[E-LEARNING WEBAPP]

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INTRODUCTION

Learning Catalyst is a unique, fascinating and specialized E-Learning Web Application. Whether you want to learn or to share what you know, This Platform will work as a global destination for online learning. The platform will help learners to take courses primarily to improve job related skills. It will also help the learners to gain knowledge, build strong concepts and excel in any field of interest. On the other hand, It also allows instructors to build online courses on their preferred topics. Instructors can upload video lectures, PDF's, audio, ZIP files and even live classes to create their courses. Instructors can also engage and interact with users via online discussion boards. Courses available on the platform can be paid or free depending on the instructor. It also contains a Q&A section which encourages users to engage in an online community by answering other user's questions. There will be a Notes section as well where Notes (handwritten or in the form of PPT's / PDF's) will be available based on class or any particular topic.

USE OF THE PROJECT

The primary objective of the platform **Learning Catalyst** is to provide better educational content through self-paced courses which can be accessed anytime and anywhere by the user. Learning content is usually made in short modules with regular quizzes and exercises which will help learner test his/her own capability. A certification will be provided at the end of each course which will help students move a step closer towards their dream job. Our goal is to build a peer-to-peer learning community for students, parents and teachers where students connect to receive and offer help with problems and solutions.

FEASIBILITY OF PROJECT

The Web Application will be interactive, user-friendly and convenient for use of students.

The Web App can be accessed anytime and from anywhere.

It will not require very high speed Internet connection. Moreover Students can manage the quality of video lectures as per their use.

The Web App focusses on time-management, cost-management and quality management.

FUNCTIONAL SPECIFICATION

- Provide proper instructor-led self-paced educational content through video lectures, PDF's, ZIP files, etc.
- Build an online community where students can not only ask their problems but can also find solutions to other student's problems.
- Provide Certification to learners once they have successfully completed their course solving all the quizzes.
- Have a large database full of notes from each and every topic / subject.
- Provide a proper workplace for instructors and students.

Software Specification:

- Technology Implemented : Web Development, SaaS
- Language Used : HTML, CSS, JavaScript, SQL, React.js
- Database : MySQL
- User Interface Design : Graphical User Interface
- Web Browser : Google Chrome, Mozilla Firefox, Brave, etc

Hardware Requirements:

- Processor : 1.6 GHz or faster
- Operating System : Windows, Linux, MAC OS
- RAM : 1 GB
- Hard disk : 100 MB up to 210 MB

FUTURE SCOPE

- We will host the site on an online server to make it accessible worldwide.
- We can make the Web App more interactive by making a student portal where students can see all the details of their certifications, quizzes, topics covered, etc and even provide them with extra cloud space where they can store notes and data. We'll also provide students with extra ranks and badges to differentiate them with the others.
- We'll also provide the instructors with a proper workplace where they can upload their course content.
- We'll try to provide more and more courses from the world's best instructors.
- We'll try to make a fast and efficient payment gateway so that students can easily purchase their courses.