**Software Requirement Specification Document**

**Introduction:**

An Online Course Portal is a platform for experienced mentors to host a course in their expertise for interested mentees to enrol. This platform acts as a bridge to the real world for a college student following an age-old curriculum. This helps the mentees get a boost in their resume towards their preferred profession. Platform like this would enable you to gather knowledge from different parts of the world, top universities and experienced professionals. It helps you to get in touch with different styles of teaching and learning. It helps you to get acquainted with fellow enthusiasts and an authenticated experienced mentor. It also helps you excel in hobbies and interests. With pre-recorded classes mentees from any time zone can access and learn at their own convenience.

**Purpose:**

Proper education is one of the important needs in today’s world. To get over the liabilities due to place(distance) and time(time-zones) Online Courses will be helpful.

**Intended Audience:**

People who are passionate to learn or teach.

**Functional Requirements**

**Procedure Design**:

* + Computer Procedure

**Student End*:***

* 1. FindCourses () {

//Look for the courses.

}

2. Register (){

//Register for a course.

}

3. GetContent (Course c){

//Get the content of the course.

}

* + Non-Computer Procedure –

- A Mentee will be searching for a course online and registers for it

and then he/she can look through the contents of the course.

-A Mentor will register in the application, posts the content and guides his/her mentees.

**Control Design**:

The following are the functional requirements.

**1.Mentor Login**

The System should allow authenticated mentor to login for viewing, updating, deleting courses and to interact with his/her mentees in the website.

**1.1.Process flow**

Once the login page has opened the details are to be entered. The fields asking the mentor to enter email and password appears. This email and password are to be entered by mentor to login. He/she can manage the content and check the progress of their mentees.

**2.Mentee Login**

The System should allow authenticated mentee to register and login for viewing, registering for the courses in the website.

**2.1Process flow**

Once the login page has opened the details are to be entered. The fields asking the mentee to enter email and password appears. This email and password are to be entered by mentee to login. Then he/she can register to a course and access it.

**Tools and Technology Requirements**

The following are the list of software requirements we are using to implement this application.

|  |  |  |  |
| --- | --- | --- | --- |
| ▪ | Client-Side Technologies | : | HTML, CSS |
| ▪ | Scripting Language | : | JavaScript |
| ▪ Business Logic Development Language | | : | Java |
| ▪ | Database Connectivity | : | Hibernate |
| ▪ | Database | : | Mongo DB |
| ▪ | Operating System | : | Windows10 |
| ▪ | Documentation | : | MS-Office |

**SOFTWARE QUALITY ATTRIBUTES**

AVAILABILITY: Pre-recorded content should be posted for the convenience of mentees.

CORRECTNESS**:** It must be ensured that mentees get valid content.

MAINTAINABILITY: The mentors must maintain the content of their course.

USABILITY: The course must be relevant to a large number of people.