**Experiment 1**

Prepare an SRS document in line with the IEEE recommended standards for the specified Case Study. (Functional Requirements, here are some functional requirements for your E-Learning website as part of the Software Requirements Specification (SRS):

1. **User Registration and Authentication:** Users must be able to create accounts with unique usernames and passwords. The system must validate and authenticate user credentials securely.
2. **User Profile Management:** Users should be able to create, edit, and update their profiles, including personal information and career goals.
3. **Customization and Preferences:** Users should be able to search topics according to their interests.
4. **AI-Driven Virtual Interviewer:** The system must simulate realistic scenarios through an AI driven chatbot. When user ask questions based on their preferences the chatbot should response.
5. **Question Retrieval:** The system should integrate external APIs to retrieve a diverse set of questions. Answers must be relevant to the user's chosen subject.
6. **User-Friendly Interface:** A user-friendly and responsive interface that ensures easy navigation and access to educational materials on various devices.
7. **Progress Tracking and Analytics:** Tools and features for tracking learner progress, assessing performance, and generating analytics reports for both learners and administrators.
8. **Feedback Mechanisms:** Feedback mechanisms that allow users to provide input, report issues, and offer suggestions for improvement.

**9. High-Quality Content:** The website should host a library of high-quality educational content, including quizzes, questions, and supplemental resources.