**3.1. Functional Requirements**

FE.3.1.1. **Registration**

User shall be able to create an account by providing their first name, last name, phone number, email address, and password.

The system should validate that the provided email address follows a valid email format.

The system shall allow account creation only if the phone number provided by the user is 11 digits in length.

If the provided phone number does not meet the specified 11-digit length criteria the system shall display an error message, and the user shall not be registered.

Password shall have a length between 8 and 15 characters and contain a combination of special characters, alphabets, and numbers.

The system shall only allow account creation if the password and re- entered password match.

S.R.S.3.1.1.7. If the passwords do not match or do not meet the specified criteria, the system should display an error message.

FE.3.1.2. **Authorized Access/Login**

The system shall allow the user to provide their email and password for login.

On submission, the system shall validate the provided credentials and grant access to the user if the credentials are valid.

If the credentials are not valid, the system shall display an error message to the user.

FE.3.1.3. **Third-Party Sign-In**

The system shall provide the option for the user to sign in using their Google account.

When the user selects the Google sign-in option; the system should redirect the user to the Google authentication page.

On the Google authentication page, the user can provide their Google account credentials.

Upon successful Google authentication, the system should grant the user access to their account in the application.

FE.3.1.4. **Forget Password**

The user shall have the ability to reset their account password if it is forgotten or lost.

The system shall verify the user's identity through email verification as part of the password reset process.

The verification process shall involve sending a code or link to the user's registered email address .

The user shall receive the verification code or link to regain access to their account securely.

The system shall confirm the validity of the verification code or link before allowing the user to reset their password.

User shall be required to create a new password that meets the system's security standards as part of the password reset process.

FE.3.1.5. **Manage Profile(Create, Update, Delete)**

S.R.S.3.1.5.1. User shall be able to add the name, username, and description to their profile.

S.R.S.3.1.5.2. User shall be able to view their profile picture.

S.R.S.3.1.5.3. User shall be able to update the name, username, and description of their profile.

S.R.S.3.1.5.4. After making changes, the user shall have the option to confirm and save the updated profile information.

S.R.S.3.1.5.5. User shall be able to delete their profile.

S.R.S.3.1.5.6. User shall be able to select an image from the device or directly from the camera and upload it.

S.R.S.3.1.5.7. System shall support common image formats, including JPEG, PNG, and SVG for image uploads.

S.R.S.3.1.5.8. System shall validate the format of the uploaded images to ensure they meet specified format requirements.

S.R.S.3.1.5.9. System shall display an error message if the user attempts to upload an image that exceeds the allowed size.

**3.1.6. Manage Services**

**3.1.6.1 Educational Consultation Services**

**S.R.S.3.1.6.1.1:** The system shall provide a personal chat feature for parents and students.

**S.R.S.3.1.6.1.2:** The system shall allow users to post questions related to education directly to a designated expert.

**S.R.S.3.1.6.1.3:** The system shall ensure that answers to user questions are provided within 24 hours.

**S.R.S.3.1.6.1.4:** The system shall provide a search function for users to find specific questions and answers within their personal chat history.

**S.R.S.3.1.6.1.5:** The system shall support text-based communication within the personal chat.

**S.R.S.3.1.6.1.6:** The system shall notify users of new responses to their questions within the personal chat.

**3.1.6.2 Admission and Career Guidance**

**S.R.S.3.1.6.2.1:** The system shall provide information and advice on admission processes for various countries.

**S.R.S.3.1.6.2.2:** The system shall provide information and advice on admission to different fields of study.

**S.R.S.3.1.6.2.3:** The system shall provide information and advice on admission to different education levels (undergraduate, postgraduate, etc.).

**S.R.S.3.1.6.2.4:** The system shall provide information and advice on obtaining scholarships and admissions without scholarships.

**S.R.S.3.1.6.2.5:** The system shall provide information and advice on study visa applications.

**S.R.S.3.1.6.2.6:** The system shall provide information and advice on various career paths.

**S.R.S.3.1.6.2.7:** The system shall allow users to submit specific questions regarding admissions, scholarships, visas, and career paths.

**S.R.S.3.1.6.2.8:** The system shall provide a mechanism for expert to respond to user queries.

**3.1.6.3 Language and Visa Support**

**S.R.S.3.1.6.3.1:** The system shall provide information and resources for language tests such as IELTS and TOEFL.

**S.R.S.3.1.6.3.2:** The system shall provide information on the requirements and process for obtaining citizenship.

**S.R.S.3.1.6.3.3:** The system shall provide support for visa application processes.

**S.R.S.3.1.6.3.4:** The system shall provide practice materials and tips for IELTS and TOEFL exams.

**S.R.S.3.1.6.3.5:** The system shall allow users to submit specific questions regarding language tests, citizenship, and visa applications.

**S.R.S.3.1.6.3.6:** The system shall provide a mechanism for experts to respond to user queries.

**3.1.6.4. Statement of Purpose**

**S.R.S.3.1.6.4.1.** System shall provide a repository of sample Statements of Purpose (SOPs) for various fields of study.

**S.R.S.3.1.6.4.2.** System shall allow users to browse and view sample SOPs.

**S.R.S.3.1.6.4.3.** System shall categorize sample SOPs by field of study, level of education, and country of application.

**S.R.S.3.1.6.4.4.** System shall provide a search function for users to find specific sample SOPs based on keywords and categories.

**S.R.S.3.1.6.4.5.** System shall allow users to download sample SOPs for personal use.

**S.R.S.3.1.6.4.6.** System shall provide guidelines and tips on how to write an effective Statement of Purpose.

**S.R.S.3.1.6.4.7.** System shall allow users to submit their own SOPs for review and feedback from experts.

**S.R.S.3.1.6.4.8.** System shall ensure the confidentiality of user-submitted SOPs, restricting access to only authorized expert.

**3.1.7. Online Tutoring Session Booking**

**S.R.S.3.1.7.1.** System shall provide an interface for users to book online tutoring sessions.

**S.R.S.3.1.7.2** System shall allow users to select a tutor from a list of available tutors for online sessions.

**S.R.S.3.1.7.3** System shall enable users to choose a date and time for the online tutoring session based on the tutor's availability.

**S.R.S.3.1.7.4** System shall integrate with video conferencing tools (e.g., Zoom, Microsoft Teams etc) to schedule and create online meeting links automatically.

**S.R.S.3.1.7.5** System shall send a confirmation email or notification to users with details of the scheduled online tutoring session, including the meeting link.

**S.R.S.3.1.7.6** System shall send reminders to users about upcoming online tutoring sessions, including the meeting link and any preparatory materials.

**S.R.S.3.1.7.8** System shall allow users to rate and provide feedback on their online tutoring sessions after the session is completed.

**S.R.S.3.1.7.9** System shall provide a calendar view where users can view and manage their upcoming and past online tutoring sessions.

**S.R.S.3.1.7.10** System shall ensure that all communication and meeting links for online tutoring sessions are secure and accessible only to the registered participants.

**S.R.S.3.1.7.11** System shall display the registration fee set by the tutor for each online tutoring session.

**S.R.S.3.1.7.12** System shall facilitate the payment of the registration fee by users before confirming the booking of the online tutoring session.

**S.R.S.3.1.7.13** System shall provide a mechanism for processing and recording payment transactions securely.

**3.1.8. Manage Blogs(Create, Update, Delete)**

**S.R.S.3.1.8.1.** System shall provide an interface for admins to create new blog by uploading image, entering title and description.

**S.R.S.3.1.8.2.** System shall enforce a minimum length of 150 words and a maximum length of 500 words for each blog entry created by the admin.

**S.R.S.3.1.8.3.** System shall allow admins to update existing blog entries, including editing the title and content.

**S.R.S.3.1.8.4.** System shall provide an option for admins to delete blog entries, with a confirmation step to prevent accidental deletion.

**S.R.S.3.1.8.5.** System shall provide a preview function for admins to review blog entries before publishing them.

**S.R.S.3.1.8.6.** The system shall allow users to read and view published blog entries.

**S.R.S.3.1.8.7.** The system shall enable users to like blog entries, with the ability to track the number of likes each blog receives.

**S.R.S.3.1.8.8.** The system shall allow users to download blog entries in a standard format (e.g., PDF).

**S.R.S.3.1.8.9.** The system shall provide users with the ability to search for and filter blog entries based on keywords, categories, or tags.

**S.R.S.3.1.8.10.** The system shall display related or recommended blog entries to users based on their reading history or interests.

**S.R.S.3.1.8.11.** The system shall ensure that only published blogs are accessible to users.

**S.R.S.3.1.8.12.** The system shall notify users when new blogs are published or when there are updates to existing blogs they have shown interest in.

**3.1.9. Resource Hub**

**S.R.S.3.1.9.1.** The system shall allow the admin to upload, categorize, and tag books in various formats (e.g., PDF, ePub).

**SR.S.3.1.9.2.** Admins can add (e.g., author, publication date) for each book.(delete, update)

**S.R.S.3.1.9.3.** The system will support organizing books by category, author, and other relevant criteria.

**S.R.S.3.1.9.4**. User shall be able to view book download book and read book.

**S.R.S.3.1.9.5.** The system shall allow users to browse available books.

**S.R.S.3.1.9.6.** Users can preview a portion of paid content before purchasing.

**3.1.10. Manage Research Papers**

**S.R.S.3.1.10.1.** The system shall allow the admin to upload, categorize, and tag research papers in various formats (e.g., PDF, DOCX).

**S.R.S.3.1.10.2.** Admins shall be able to add metadata (e.g., author, publication date, abstract) for each research paper, with options to delete or update this information.

**S.R.S.3.1.10.3.** The system will support organizing research papers by category, author, and other relevant criteria.

**S.R.S.3.1.10.4.** Users shall be able to view, download, and read research papers.

**S.R.S.3.1.10.5.** The system shall allow users to browse available research papers.

**S.R.S.3.1.10.6.** Users can preview a portion of paid research papers (e.g., abstract, introduction) before purchasing.

**3.1.11.Training**

**S.R.S.3.1.11.1.** The system shall allow the admin to create, schedule, and manage training sessions.

**S.R.S.3.1.11.2**. Admins can specify details such as the session title, description, date, time, and duration.

**S.R.S.3.1.11.3.** The system shall allow the admin to upload and associate training materials (e.g., slides, handouts, recordings) with each session.

**S.R.S.3.1.11.4.** Admins can update or delete training materials as needed.

**S.R.S.3.1.11.5.** The system will support organizing training sessions by category, topic, instructor, and other relevant criteria.

**S.R.S.3.1.11.6.** Users shall be able to view available training sessions and register for them.

**S.R.S.1.11.7.** The system will provide details about each session, including the instructor, topics covered, and any prerequisites.

**S.R.S.3.1.11.8.** The system shall allow users to pay for training sessions where applicable.

**S.R.S.3.1.11.9.** Users shall have access to training materials (e.g., slides, recordings) after registering for a session.

**S.R.S.3.1.11.10.** Access to materials may be restricted to registered participants.

**S.R.S.3.1.11.11.** The system shall provide certificates of completion for users who attend and complete training sessions.

**S.R.S.3.1.11.12.**Certificates can be customized with the training session details, date, and instructor information.

**S.R.S.3.1.11.13.**The system shall notify users of upcoming training sessions and new training opportunities.

**S.R.S.3.11.14.**Notifications can be sent via email or in-app alerts, with users able to opt-in for specific types of sessions or topics.

**3.1.12. Manage Cart (add, delete, update)**

**S.R.S.3.1.12.1.** The system shall allow users to add books, research papers, and training sessions to their cart.

**S.R.S.3.1.12.2.** The system shall display the admin's account number to the user during the checkout process for direct bank transfers or other offline payment methods.

**S.R.S.3.1.12.3.** Users shall be able to make payments through various methods, including direct bank transfers to the admin's account.

**S.R.S.3.1.12.4.** The system shall send a payment confirmation email to the admin’s designated email address once the user confirms the payment.

**S.R.S.3.1.12.5.** The admin shall receive the payment confirmation email and verify the payment manually.

**S.R.S.3.1.12.6.** Once the admin verifies the payment, the system shall grant the user access to the purchased items (e.g., the ability to download books or research papers, access training sessions).

**S.R.S.3.1.12.7.** The system shall maintain a record of all transactions, including payment status, for both the admin and the user.