

# Software Requirements Specification (SRS) for Brain Battle Academy Website

## 1. Introduction

The Brain Battle Academy website aims to provide a comprehensive platform for professionals and students to participate in competitions, win exciting prizes and certificates, and access information about scholarships available in different countries. This SRS outlines the functional and non-functional requirements of the website, including key features such as Education News, Media Center, and Group Discussion.

## 2. Functional Requirements

### 2.1 User Registration and Authentication

**User Registration:** Users can create accounts by providing personal information such as name, email, and password.

**User Authentication:** Users must log in to access competition registration, scholarship information, Education News, Media Center, and Group Discussion.

**Forgot Password:** Users can reset their passwords via email if forgotten.

### 2.2 Competition Section

**Competition Listings:** Users can browse and search for upcoming competitions in various categories (e.g., academic, professional, skill-based).

**Competition Details:** Users can view detailed information about each competition, including rules, registration fees, deadlines, and prizes.

**Competition Registration:** Registered users can enroll in competitions, make payments (if required), and receive confirmation.

**Competition Submissions:** Participants can submit their entries, track progress, and view submission deadlines.

**Leaderboards:** Real-time leaderboards display rankings during competitions.

**Certificates:** Participants receive digital certificates upon successful completion of competitions.

## 2.3 Scholarship Section

**Scholarship Listings:** Users can access information about scholarships available in different countries.

**Scholarship Details:** Detailed descriptions of each scholarship program, including eligibility criteria, application deadlines, and required documents.

**Scholarship Applications:** Users can apply for scholarships through the website when applicable.

**Scholarship Notifications:** Users receive notifications about upcoming scholarship deadlines and application status updates.

## 2.4 Education News

**News Listings:** Users can access a feed of the latest education-related news articles and updates.

**Article Details:** Users can read full articles, view multimedia content, and access related resources.

**Search and Filter:** Users can search for specific topics, filter news by category, and sort articles by date.

## 2.5 Media Center

**Media Library:** Users can access a collection of educational videos, webinars, podcasts, and downloadable resources.

**Video Streaming:** Users can stream educational videos and webinars directly from the website.

**Resource Downloads:** Users can download educational materials for offline use.

**Search and Filter:** Users can search for specific media content, filter by category, and view content ratings.

## 2.6 Group Discussion

**Discussion Forums:** Users can participate in topic-specific discussion forums where they can ask questions, share insights, and engage in academic and professional discussions.

User-Generated Content: Users can create and manage discussion topics, replies, and comments.

Moderation: Admins or moderators can manage and moderate discussions to ensure a respectful and informative environment.

Notification: Users receive notifications about replies and updates to their discussions.

## 2.7 User Profile Management

User Profile: Users can update their personal information, including profile pictures and contact details.

Payment History: Users can view their payment history for competition registrations and scholarship applications.

Notification Preferences: Users can manage their email and notification preferences for competitions, scholarships, news, and discussions.

## 2.8 Admin Panel

User and Content Management: Admins can manage user accounts, approve or suspend accounts, and moderate user-generated content.

Competition Management: Admins can create, edit, and manage competition listings, including setting registration deadlines, fees, and prize details.

Scholarship Management: Admins can add, update, and remove scholarship information, including eligibility criteria and application requirements.

News and Media Management: Admins can publish, edit, and remove news articles, multimedia content, and educational resources.

Discussion Forum Management: Admins can moderate and manage discussion forums and user-generated content.

Reporting and Analytics: Generate reports on user activity, competition participation, scholarship applications, and user engagement.

## 3. Non-Functional Requirements

### 3.1 Security

User data is encrypted during transmission and storage.

Secure authentication and authorization mechanisms.

Regular security audits and updates to protect against vulnerabilities.

### 3.2 Performance

Fast loading times for web pages, competition leaderboards, and media streaming.

Scalability to handle increasing user traffic.

Minimal downtime for maintenance.

### 3.3 Usability

Intuitive user interface with easy navigation.

Mobile-responsive design for access from various devices.

User-friendly registration and competition enrollment processes.

### 3.4 Availability

24/7 access to the website.

Backup and disaster recovery procedures in place.

### 3.5 Compliance

Compliant with data protection and privacy regulations.

Accessibility standards to ensure inclusivity.

Compliance with relevant international scholarship regulations.

## 4. Constraints

Compatibility with modern web browsers (Chrome, Firefox, Safari, Edge).

Hosting and server infrastructure meeting website performance needs.

Integration with third-party payment gateways for competition fees (if applicable).

Compliance with copyright and intellectual property laws for media content.

## 5. Glossary

Users: Refers to both professionals and students using the website.

Admins: Refers to administrators responsible for managing the website.

Competition: Refers to contests hosted on the platform.

Scholarships: Refers to financial aid opportunities available in different countries.

Education News: Refers to news articles and updates related to education.

Media Center: Refers to the collection of educational multimedia content.

Group Discussion: Refers to user-generated discussion forums for academic and professional discussions.

## 6. Conclusion

The Brain Battle Academy website aims to provide a multifaceted platform for competitions, scholarships, education news, media resources, and group discussions. This SRS serves as a reference for the development team to build and test the website according to these specifications.