Scope of Work

Development of a Research Literacy Mobile Application

Background

IAVI with support from the Coalition to Accelerate & Support Prevention Research (CASPR), is seeking proposals from qualified developer(s) or organization(s) for the development of an interactive Research Literacy Mobile Application *(Res. Lit. Mobile).* The application is aimed at enhancing HIV prevention research literacy for broad stakeholders as listed below. The app will serve as an interactive educational tool to inform and engage HIV prevention advocates, communities, researchers, and the general public about the latest in HIV prevention research, terms, and terminologies in vaccine development.

Target users: The main users for this mobile application will include: HIV prevention advocates and communities of key and affected populations, adolescents, researchers, policymakers and the public involved/interested in HIV prevention research.

2. Objectives

- To provide concise and jargon-free educational content on HIV prevention research leveraging on up-to-date/latest research findings from existing credible resources.

- To integrate artificial intelligence to give answers and explanations to questions on HIV prevention research by users.

- To keep users engaged using interactive tools, quizzes, and community features.

- To ensure the app is user-friendly, secure, and accessible both online and offline.

3. Key Deliverables

- **Mobile Application**: A fully functional mobile app for both iOS and Android platforms.

- **Educational Content**: Integration of up-to-date and credible content from sources such as Google, AVAC, IAVI, NIH websites, PubMed, IAS, scientific journals, and others.

- **Interactive Features**: Quizzes, gamification elements, AI-driven responses, and community forums.

- **User Accounts**: Functionality for users to create accounts and manage profiles.

- **Search Functionality**: Keyword and acronym search capabilities.

- **Language Support**: Support for English, French, and Swahili.

- **Design and Branding**: Adherence to branding guidelines and acknowledgment of partners. This includes adhering to branding guidelines and acknowledging partners including USAID, PEPFAR, CASPR, AVAC, and IAVI.

- **Data Privacy, Security, and Citations**: Compliance with relevant regulations including data privacy laws particularly the General Data Protection Regulation (GDPR) and ensure user data is protected. Also, to ensure sources are appropriately cited.

- **Maintenance and Updates**: Ongoing updates and fixes for 18 months post-launch.

4. Technical Requirements

- **Platform Compatibility**: Development for both iOS and Android.

- **Content Management**: Integration of a content management system to update educational content regularly.

- **AI Integration**: Implementation of AI features to provide personalized responses and ask clarifying questions before giving responses in a simple and jargon-free way.

- **Offline Functionality**: Ensure key features are accessible without an internet connection and provide users with the ability to download documents, and access them offline as well.

- **User Engagement**: Incorporation of gamification, regular updates, and community interaction tools.

- **Security Measures**: Implementation of robust security protocols to protect against manipulation, phishing, and data corruption.

5. Project Timeline

The project is expected to be completed within 30 days.

Position Description

Job type: Professional Service Contract

Location: Global

Reporting line: Senior Manager Policy and Advocacy

Duration: 30 days

Scope of Work for Professional Service

Development of a Research Literacy Mobile Application on HIV Prevention Research

Below is the Scope of Work (SoW) for this contract. We highly recommend the use of an **agile methodology approach** to ensure rapid iteration and flexibility in the delivery of this project.

Key points to note:

a) Rapid iteration and flexibility by use of agile approaches.
b) Focus on essential features as key features are updated with use by a core group of users during the test period.
c) Maintain regular and close communication and regular touch points to address any issues.

No.	Activity	Deliverable	Timeframe	Estimated Duration	Fee in USD.

1.	Solicitation of technical and commercial proposals, proposal evaluation and contracting, and project initiation.	Technical and commercial proposals. Signed contract. Project implementation plan.	By the end of October 2024	30 days.	N/A
2.	Kick-off and initiation	1. User requirements finalized 2. Detailed plan of action. 3. Development environment, tools. 4. Initial design mockups		7 days	
3.	Core Development	1. Basic app structure for Android and iOS devices using a cross-platform framework e.g. Flutter/React Native/Kotlin Multiplatform/Cordova. 2. Integrated user account functions (registration, login, and management of profile) 3. Integration of search functionality (acronym and keyword searches)		7 days	
4.	Content and Interactive Features	1. Integration of initial research literacy content from various credible sources (AVAC, IAVI, NIH, PubMed, IAS, etc.). 2. Integration of AI-generated quizzes and basic gamification elements. 3. Integration of AI-driven responses, FAQs, and personalized answers.		7 days	
5.	Finalization and Testing	1. Community forums with self-moderation features integrated. 2. Offline functionalities for key features (definition of terms,		7 days	

		FAQs, last viewed and downloaded materials). 3. Security audits conducted and General Data Protection Regulation (GDPR) compliance. 4. Final testing, fixing bugs, and performance optimization. 5. Launch on 1st December 2024. 6. Post-launch support			

Application Procedure:

Required:

1. A proposal document (maximum 20 pages including attachments) – the proposal document should include an introduction, background, methodology, budget, timelines, and evaluation plan for project impact and success.
2. CVs of Key personnel (maximum 2 pages per personnel)
3. Letters of support/referrals.
4. Previous work – share links or examples of past projects and relevant experience.

Submission:

Submit the above documents to the email: Sndakala@iavi.org with the subject line: Research Literacy Mobile Application.