

Addendum to Expression of Interest (Eoi)

On The Young Innovators Programme – IT Platform

In addition to the requirements outlined in the original Eoi, the following points must also be addressed by interested agencies:

1. **Backend Redefinition:** The backend must be completely redefined, with a new schema built from scratch to ensure optimal performance and scalability.
2. **Reporting and Dashboards:** Customized reporting and dashboards must be developed according to specific requirements.
3. **API Integration:** Develop an API that works seamlessly with the existing mobile app, ensuring a smooth user experience across all platforms.
4. **Data Migration:** Data must be cleaned and migrated to the new database without any loss of information.
5. **Open Source Backend:** Utilize an open-source backend solution to facilitate future updates and modifications.
6. **Non-functional SLA Requirements:**
 - a. Page load time: 3 seconds maximum
 - b. Server response: 500ms maximum
 - c. Availability: Specify the required system uptime percentage (e.g., 99.5%)
 - d. Scalability, Reliability, and Maintainability: Ensure a resilient and easily maintainable platform
 - e. Extensibility and Interoperability: Facilitate future enhancements and seamless integration with other systems
 - f. Usability: Implement a user-friendly and intuitive interface
 - g. Compliance: Adhere to relevant regulations, standards, and best practices
 - h. Backup and Recovery: Establish a robust plan for data protection
 - i. Monitoring and Logging: Incorporate comprehensive tracking features for system performance and optimization
7. **Performance and Security:** The platform must meet STQC security requirements and demonstrate high-performance capabilities.
8. **IT Infrastructure:** The shortlisted entity must provide detailed IT infrastructure requirements based on a thorough study of the project.
9. **Scalable Architecture:** Preference for scalable architecture solutions, such as AWS, to accommodate future growth and expansion.
10. **Technology Stack:** The technology used must be highly scalable, with NoSQL reporting RDBMS for efficient data management.
11. **Front End & Website Redevelopment:** Redevelop the website using React/Angular or any another flexible front-end framework, ensuring a consistent and engaging user experience across all touchpoints.