Terms of Reference
For
Selection of Individual Consultant

Job #	N/A
Job Title	**Jr. Consultant (Mobile App Developer)**
Number of Positions	**1**
Location	Dhaka, Bangladesh
Appointment	Local Hire
Job Posted	TBA
Closing Date	TBA
Language	Bangla [Essential]; English [Essential]
Appointment Type	Time-Based. Duration: 11 months (Further extension is subject to the performance of the incumbent and availability of fund)

Background of the Project:

The Aspire to Innovate (a2i) Programme builds on the Government of Bangladesh's efforts to introduce a citizen-centric culture of innovation in civil service to improve service delivery and make services more inclusive, affordable, reliable, and easier to access. This project will provide support to establish institutional mechanisms and improve accountability to accelerate SDG achievements in Bangladesh.

This project will have three components:
1. Institutionalizing Public Service Innovation and Improving Accountability
2. Catalyzing Digital Financial Services and Fintech Innovations
3. Incubating Private Sector-enabled Public Service Innovation

Background of the assignment:

The Aspire to Innovate (a2i) Programme under the ICT Division is implementing a wide range of innovative digital solutions to improve citizen service delivery across Bangladesh. As mobile usage continues to grow rapidly nationwide, government services increasingly rely on well-designed, secure, and user-friendly mobile applications to reach citizens efficiently and inclusively.

To support the development, enhancement, and maintenance of mobile applications for government digital platforms, **a2i** seeks to engage a **Jr. Consultant (Mobile App Developer)** who will assist in developing and maintaining modern, scalable mobile applications and contribute to the digital transformation initiatives of the Government of Bangladesh. The consultant will work with senior developers, UI/UX teams, QA engineers, and backend developers to ensure that mobile apps are feature-rich, secure, compatible across devices, and aligned with citizen-centric design principles. The role requires hands-on development of Android/iOS applications and integration with backend systems and APIs.

Objectives of the assignment:

- Design, develop, and maintain mobile applications for Android, iOS, or cross-platform environments.
- Develop reusable, well-structured, and maintainable code following industry best practices.
- Implement application features, UI components, and workflows as per functional specifications.

- Ensure cross-platform compatibility, performance, and usability across devices and operating systems.
- Integrate apps with RESTful APIs, backend databases, cloud services, and third-party APIs.
- Collaborate with backend developers to ensure seamless data flow, error handling, and secure transactions.
- Troubleshoot and resolve bugs, crashes, performance bottlenecks, and security vulnerabilities.
- Manage app versioning, release notes, and publication workflows.
- Collaborate with DevOps, UI/UX designers, security, QA, and infrastructure

Supervision and Performance Evaluation:

The **Jr. Consultant (Mobile App Developer)** will be working with the Technology team of the Aspire to Innovate Programme. A performance evaluation will be conducted by the project authority, a2i. After the contract period, further continuation of the contract will depend upon the satisfactory performance, availability of funds and project duration.

Scope of work, Duties and Responsibilities:

- Develop and maintain mobile applications for Android and/or iOS platforms.
- Implement application features using modern mobile development frameworks and tools.
- Collaborate with backend teams to integrate APIs, authentication mechanisms, and data services.
- Assist in optimizing mobile apps for speed, security, and performance on diverse devices.
- Conduct unit tests, participate in QA processes, and fix identified bugs.
- Work with UI/UX designers to implement intuitive and citizen-friendly user interfaces.
- Assist in deploying mobile applications to app stores or government-controlled distribution channels.
- Maintain documentation for mobile app components, APIs used, configurations, and deployment steps.
- Follow best practices in secure coding, performance tuning, and app lifecycle management.
- Participate in code reviews, technical discussions, and continuous improvement initiatives with Technology team members.

Relevant Competencies:

Technical Competencies:

- Hands-on experience in Android (Java/Kotlin) and/or iOS (Swift) development.
- Familiarity with Flutter/React Native or similar cross-platform frameworks.
- Strong understanding of RESTful APIs, JSON parsing, and backend integration.
- Knowledge of app security practices, data protection, and authentication mechanisms.
- Experience with Git, CI/CD pipelines, and mobile build tools (Gradle/Xcode).
- Understanding of mobile UI/UX principles and responsive design.
- Strong technical writing and editing skills.

Functional Competencies:

- Strong analytical and problem-solving skills.
- Excellent teamwork and communication abilities.
- Ability to work under pressure and meet tight deadlines.
- Attention to detail and commitment to producing high-quality outputs.
- Adaptability and willingness to learn new tools and technologies.
- Excellent organizational skills and attention to detail.

Deliverables and Timeframe:

The assignment will be for 11 months . Completed tasks under each area and activity will be as follows:

Deliverables	Timeline
- Developed and validated mobile application modules. - Integration of mobile apps with backend services and APIs. - Testing and debugging reports for assigned modules. - Updated technical documentation and deployment guides. - Monthly progress reports on development activities.	11 months

The incumbent will perform other related duties and responsibilities as and when required and assigned. The incumbent should function as an effective team member.

Payment: The Consultant will be paid 11 months equal instalments on a monthly basis upon completion of the above deliverables.

Requirements for Experience and Qualifications:

Academic Qualifications:

- Minimum Bachelor's degree in Computer Science / Computer Science & Engineering / Software Engineering / Information and Communication Technology/ Computer Engineering or any other relevant discipline from a recognized university
- Professional certifications in Android, iOS, Flutter, React Native, DevOps, or secure mobile development are considered an added advantage.

Experience:

- Minimum of 4 years of experience in national or international organizations.
- At least 2 of experience in mobile app development.
- Experience in designing, developing, and maintaining mobile applications for medium to large-scale services preferred.
- Experience with version control (Git), app deployment, debugging, and performance optimization.