**Terms of Reference (TOR)**

**Project Title:** Lifelong Learning for Farmers

**Client:** Samuel Muwawu

**Developer:** Muhindo Mubaraka

**Project Duration:** Less than 1 week

**Project Budget:** UGX 1.2M

**Voice Call Service Subscription:** UGX 500K

**Hosting Service:** UGX 200K

**Total Budget:** UGX 1.9M

**1. Background**

The Lifelong Learning for Farmers project is designed to create a call-center system that will enable the dissemination of educational audio courses to farmers. This system will allow clients to manage courses, enroll students, and automate the process of delivering lessons via phone calls. The project will enhance the learning experience of farmers by providing them with accessible audio lessons.

**2. Objectives**

* Develop a web portal for clients to manage audio courses and student enrollments.
* Implement an automated calling system to deliver audio lessons to farmers.
* Track call responses to monitor engagement.
* Provide data export capabilities in Excel format.

**3. Scope of Work**

The project will involve the following key tasks:

**3.1 User Authentication**

* Implement secure user registration and login functionalities.

**3.2 Course Management**

* Create interfaces for adding, editing, and deleting audio courses.
* Implement functionality to upload and manage audio lessons.

**3.3 Student Enrollment**

* Develop forms for manually adding students.
* Implement a feature to upload students via Excel files.

**3.4 Automated Calling System**

* Integrate with a voice call service (e.g., Africa is talking).
* Develop a system to initiate automated calls to farmers.
* Track which calls were answered by farmers.

**3.5 Data Export**

* Implement functionality to export data in Excel format.

**4. Deliverables**

* Functional web portal with user authentication.
* Course management system.
* Student enrollment system.
* Integrated automated calling system.
* Data export feature.
* Deployment of the application on a hosting service.
* Documentation and user guide.

**5. Timeline**

The project will be completed within one week, divided into the following phases:

**Day 1:** Project setup, user authentication.

**Day 2:** Course management development.

**Day 3:** Student enrollment features.

**Day 4:** Automated calling system integration.

**Day 5:** Data export functionality and testing.

**Day 6:** Deployment and final testing.

**6. Budget Breakdown**

* **Development:** UGX 1.2M
* **Voice Call Service Subscription:** UGX 500K
* **Hosting Service:** UGX 200K
* **Total:** UGX 1.9M

**7. Payment Terms**

* **Initial Payment:** 50% upfront (UGX 600K)
* **Final Payment:** 50% upon project completion and approval (UGX 600K)
* **Additional Costs:** UGX 700K for voice call service and hosting

**8. Roles and Responsibilities**

* **Developer (Muhindo Mubaraka):**
  + Develop the system as per the requirements.
  + Ensure timely delivery and deployment.
  + Provide documentation and user guide.
* **Client (Samuel Muwawu):**
  + Provide timely feedback and requirements clarification.
  + Make payments as per the agreed terms.
  + Arrange for the voice call service subscription and hosting service.

**9. Acceptance Criteria**

* The system should be fully functional with all specified features.
* The system should be deployed and accessible online.
* The client should approve the system based on the functionality and performance.

**10. Confidentiality**

Both parties agree to maintain the confidentiality of any sensitive information exchanged during the project.

**11. Amendments**

Any changes to this TOR will be made in writing and signed by both parties.

**Signatures**

**Client:**  
Name: Samuel Muwawu  
Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Developer:**  
Name: Muhindo Mubaraka  
Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_