



Terms of Reference (ToR)

Database Development for NOGAMU

1.0 Background

The National Organic Agricultural Movement of Uganda (NOGAMU) is a membership-based umbrella organization that coordinates, promotes, and supports the development of the organic sector in Uganda. As part of its mission to promote organic agriculture and provide services to members, NOGAMU seeks to redesign, upgrade, and maintain its website to enhance visibility, provide up-to-date information, and improve stakeholder engagement.

2.0 Purpose of the assignment

To **design and develop a user-friendly, secure, and responsive website** that effectively presents agricultural data and services, facilitates easy access to information for stakeholders, and supports the organisation's mission of improving agricultural productivity and knowledge sharing.

3.0 Specifically Objectives

- **Design and develop** a relational database tailored to organic agricultural data needs.
- **Ensure data integrity** and security for sensitive information.
- **Enable reporting and analytics** to support evidence-based decision-making.
- **Train staff** on database use and maintenance.

4.0 Scope of Work

- **Needs Assessment:** Identify key datasets (farmers, crops, yields, inputs, markets, extension services).
- **Database Design:** Develop schema, tables, relationships, and metadata standards.
- **Implementation:** Populate with sample data, test queries, and validate outputs.
- **Integration:** Ensure compatibility with existing systems (e.g., GIS, mobile apps).
- **Documentation:** Provide user manuals and technical documentation.
- **Capacity Building:** Conduct training sessions for staff.

5.0 Deliverables

- Database schema and ER diagrams.
- Functional database prototype.
- User and technical documentation.
- Training materials and sessions.
- Final report with recommendations.

Required Qualifications & Experience

- Bachelor's degree in Computer Science, Information Systems, Software Engineering, or related field.
- Advanced certifications (e.g., Oracle, Microsoft SQL Server, PostgreSQL) are an added advantage.
- Proven experience in website design and development (minimum 2 -4 years).
- Strong knowledge of relational database design, normalization, and ER modeling.
- Proficiency in SQL and at least one major DBMS (MySQL, PostgreSQL, Oracle, SQL Server).
- Experience with database security, backup, and recovery procedures.
- Familiarity with integration tools (APIs, ETL processes) and data migration.
- Understanding of cloud-based databases (Azure, AWS, Google Cloud) is desirable.
- Experience integrating databases, directories, and multimedia.
- Ability to train non-technical staff in website management.

6.0 Roles & Responsibilities

- **Consultant/Developer:** Design, build, test, and document the database.
- **Organisation Staff:** Provide data, participate in needs assessment, attend trainings.
- **Project Manager** Oversee assignment, ensure timelines and quality standards.

7.0 Timeline

- The assignment will be executed in a period of 90 days spread from December 2025, - February 2026.

8.0 Reporting & Supervision

The Website Developer will work under the supervision of the **Head of Programs & Executive Director** of NOGAMU and in close consultation with the Global Market Advisor

Application Process

Interested applicants should submit:

- Technical proposal (understanding of assignment, methodology, work plan) & the financial proposal.
- Portfolio of past work (links to websites developed) & Profile

Deadline for submission: 25th September 2025

Submission to: procurement@nogamu.org