UNIX Trainers & Consultants
**Head Office:** Wema Twins Annex, Plot No. 181,
Boko-Bagamoyo Road, P.O. Box 33826, Dar es salaam.
Mob: +255-715-361-880/+255-754-361-880
Email: info@unixtrainers.com; training@unixtrainers.com
Website: www.unixtrainers.com

# Leveraging Information Technology for Efficiency Through E-Procurement in the Public Sector

## Course Overview

The **"E-Procurement Transformation Masterclass"** is a 5-day intensive program that explores how Information Technology can revolutionize the public acquisition process. In many African countries, procurement remains a high-risk area for leakage; this course provides the technical and strategic roadmap to implement e-GP systems. It covers the entire digital lifecycle—from e-noticing and e-tendering to e-auctions and e-contract management—ensuring that IT is leveraged not just as a tool, but as a catalyst for transparency and institutional efficiency.

## Program Objectives

By the end of this program, participants will be able to:

- **Develop a Digital Roadmap** for transitioning from manual procurement to a fully integrated e-GP system.
- **Enhance Transparency** by using digital audit trails to minimize human interference and "red-tape."
- **Optimize Spend Analysis** using Big Data and AI to identify cost-saving opportunities and market trends.
- **Manage Cyber-Risks** and ensure data integrity within the public procurement ecosystem.
- **Implement Interoperability** between e-procurement platforms and other government systems (e.g., IFMIS and National ID databases).

## Course Coverage (Modules)

### Day 1: The Digital Shift in Public Procurement

- **The e-GP Framework:** Understanding the pillars of electronic procurement (Infrastructure, Legal, and Institutional).
- **Benefits of Digitalization:** Reducing the "Administrative Burden" and increasing SME participation.
- **Readiness Assessment:** Evaluating ICT infrastructure and digital literacy within the organization.

**Day 2: The e-GP Lifecycle & Module Integration**

- **E-Tendering and E-Notification:** Automating bid advertisements and document distribution.
- **E-Evaluation:** Using automated scoring systems to ensure objective vendor selection.
- **E-Auctions:** Implementing reverse auctions for bulk commodities to drive down prices.

**Day 3: Data Analytics & Spend Visibility**

- **Spend Cube Analysis:** Using IT to categorize government spending and identify "Leakage."
- **Dashboarding for Executives:** Visualizing procurement KPIs for real-time decision-making.
- **Predictive Procurement:** Leveraging AI to forecast demand and optimize inventory.

**Day 4: Cybersecurity, Ethics & Legal Frameworks**

- **The Legal Landscape:** Adapting Procurement Acts for digital signatures and electronic evidence.
- **Cyber Defence:** Protecting tender data from unauthorized access and "bid-leaks."
- **Blockchain in Procurement:** Exploring the potential of Distributed Ledger Technology for immutable audit trails.

**Day 5: Change Management & System Sustainability**

- **Overcoming Resistance:** Managing the shift for staff and vendors.
- **Vendor Onboarding:** Training the private sector to use e-GP portals effectively.
- **Action Planning:** Creating a 12-month e-Procurement implementation or optimization plan.

**Target Participants**

- **Heads of Procurement Units (PMUs)** and Procurement Officers.
- **ICT Directors and Systems Architects** in the public sector.
- **Policy Makers** and Reform Coordinators in Ministries of Finance.
- **Internal Auditors and Anti-Corruption Officers.**
- **E-Government Agency Executives.**

**Expected Outputs**

Participants will graduate with a **"Digital Procurement Toolkit"** containing:

- **An e-GP Implementation Blueprint:** A phased plan for digitizing procurement processes in their institution.

- **A Cyber-Security Checklist:** A protocol for securing digital tender submissions.
- **A Spend Analysis Dashboard Mock-up:** A design for tracking institutional savings through IT.
- **A Vendor Engagement Strategy:** A plan to onboard local suppliers onto the digital platform

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