



UCoBS

**UNIVERSITY AS A FACILITATOR FOR COMMUNITY
BASED SUSTAINABLE SOLUTIONS TO DEMOGRAPHIC
CHALLENGES IN SOUTH WESTERN UGANDA**

PROJECT 6: Improved Institutional and Community ICT Capacity to Access and Utilize Information

DATE: 14/10/2021





Belgium
partner in development



**MBARARA UNIVERSITY OF
SCIENCE & TECHNOLOGY**

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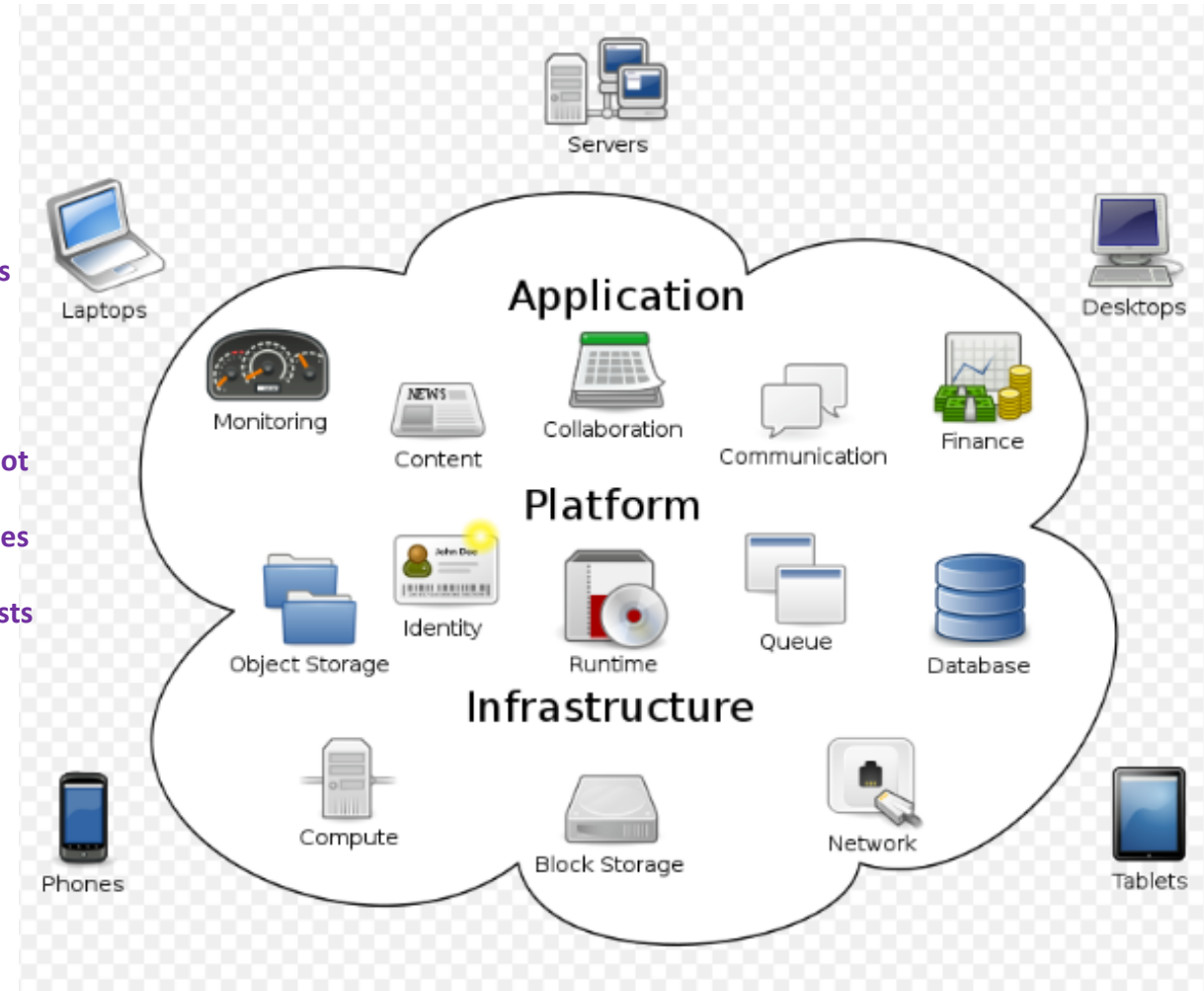
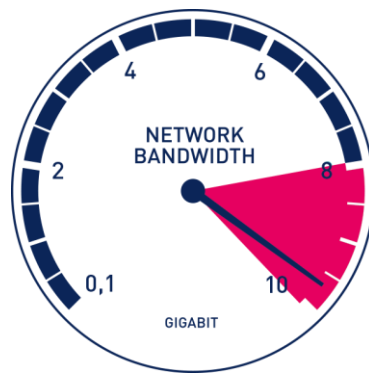




Introduction

➤ **Huge inadequacies in MUST's ICT backbone infrastructure**

- Data storage and network access
- Information exchange for community engagement
- Access to ICT equipment (staff, students, community)
- Innovations and ICT initiatives not targeted the MARPs
- Internationalization agenda issues
- ICT adoption-Gender issues
- Bandwidth and maintenance costs





Objectives (Long term desired changes)

1. To build capacity in demographic **data management** and **utilization of community-based information** for **research, policy** development and **service** delivery
2. To strengthen **internationalization** for increased **collaboration, information access** and **usage**



Thematic Areas

ICT infrastructure, Security
and Capacity Building



Data management



Internationalization



Data Analytics, Artificial Intelligence
(AI)&Machine Learning (ML)

Gender and ICT





Expected Outcomes

- ❖ An Enhanced central data hosting and storage infrastructure
- ❖ Established a Centralized Data Repository
- ❖ Improved data storage, analysis and usage of ICT's to predict outcomes
- ❖ Increased capacity to reliably and securely host eLearning & eLibrary applications for use by staff, students and community stakeholders
- ❖ Increased information transfer to and from hard to reach areas
- ❖ Improved Network Access
- ❖ Timely information sharing, feedback and follow-ups amongst the relevant stakeholders
- ❖ Improved usage of eLearning and digital platforms by academic staff
- ❖ A video conferencing facility for internationalization established
- ❖ MUST internationalization policy developed
- ❖ Artificial intelligence (AI) courses established at bachelors & postgraduate levels
- ❖ Enhanced internationalization agenda



Team Composition

MUST

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Richard Kimera
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Kelly Casal Mosteir





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Expertise-Gaps

- ❖ Gender
- ❖ How to do better outreach to the communities by using ICT



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THANK YOU



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