

Impact of Covid-19 in Higher Education Institutions:

Mukuba University Experience

UbuntuNet Connect-21 Conference – Livingstone

10-12TH November, 2021

**B. KHUNGA
Mulungushi University**



Mukuba University



Pre Covid-19 ICT Status

APPLICATION SYSTEMS

- *Student Information System, E-Learning Platforms, Website*

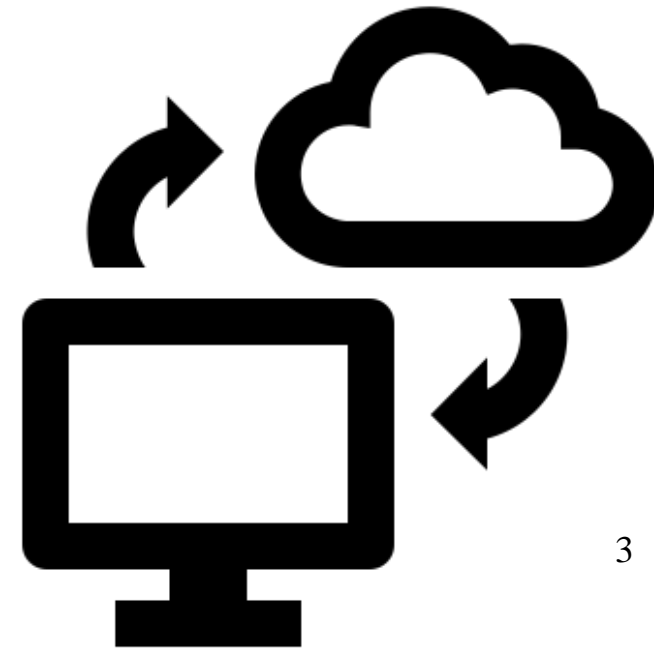
SERVERS AND NETWORK EQUIPMENT

- *Servers*
- *Network Equipment*
- *Bandwidth Connectivity*
- *End-user Devices*

END-USER CAPACITY

Academic Staff

Students



Operations During Closures

REVAMPING OF APPLICATION SYSTEMS

- *Adaptation of E-earning mindset for all stakeholders*
- *E-Learning Platform: Promoted use of MOODLE and interfaced with ZOOM*
- *Installed new SIS and integrated accounts system and interfaced to banking systems*

ICT EQUIPMENT INVESTMENT & SERVICES

- *Installed an additional server and expanded Campus network coverage,*
- *Bandwidth Connectivity: Uptake from 30-100Mbps from ZAMREN, and eduroam accounts.*
- *MoU with telco's for zero rating of bundles for students.*

Internet Bandwidth Utilization

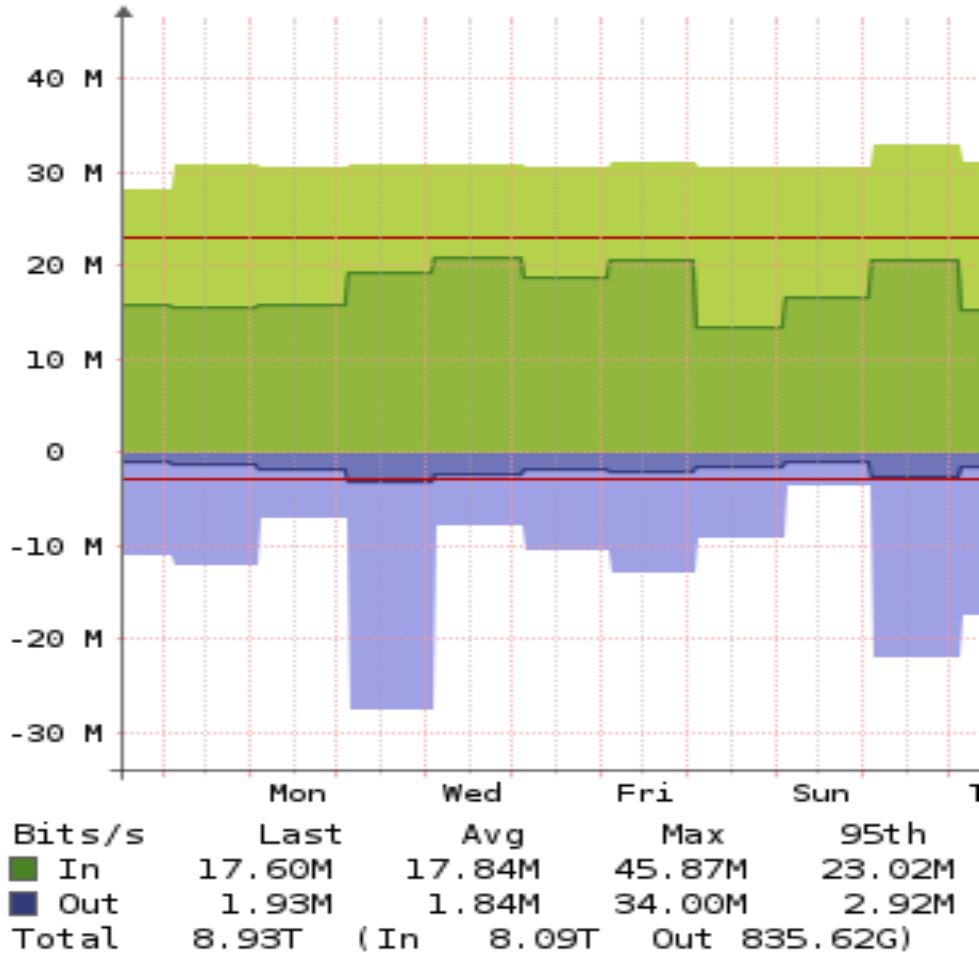


Fig1. Internet Bandwidth Uptake Feb'2020

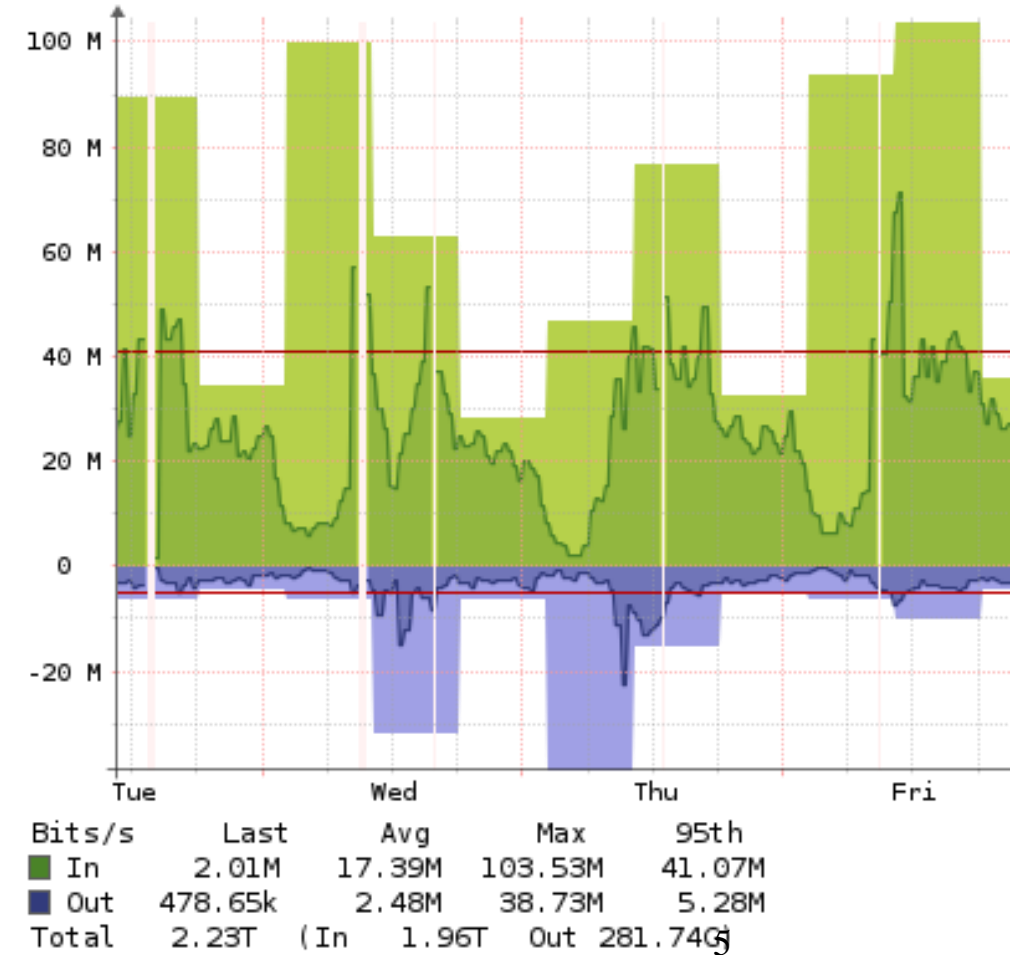


Fig2. Internet Bandwidth Uptake Oct'2021

Post Covid-19 Outlook

The Covid-19 pandemic created a massive wake-up call for the University as regards to ability to provide sustainable e-learning environment. Expansion and deployment of ICT infrastructure and services both in situ and Cloud services will be in the mainstream of the University's operations. Access to digital academic resources will central to the core business of teaching and learning, and as such, will require investment in network and other ICT services.



Conclusions

It can be said that the University, in the face of the Covid-19 pandemic, was technically unprepared to provide teaching and learning totally in e-learning or online mode.

The University took the Covid-19 situation in its stride to revamp and reposition ICT infrastructure and services to enhance its ability operate in the digital environment and remain in business.

**Thank You
For Your Attention.**

