

# The State of ICT In Somali Universities and Research Institutions. Current Realities and Future Possibilities

**Assessment Report 2024**

**1<sup>st</sup> Edition**

# Outline

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# Introduction

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**ICT Infrastructure Survey:** SomaliREN initiated a pivotal assessment of ICT within Somalia's higher education sector in late 2023 and early 2024.



**Strategic Development:** The initiative aimed to capture insights on ICT infrastructure, utilization, challenges, and investment priorities, fostering strategic development and collaboration among Somali universities and research institutions.

# Purpose of the Study



**Objectives:** Evaluate ICT infrastructure, gauge ICT utilization, and gather data on challenges and future investment priorities.



**Methodology:** Detailed survey distributed to all member institutions.



**Participation:** Highlighting the collective effort of all 28 SomaliREN member institutions

# Participating Institutions



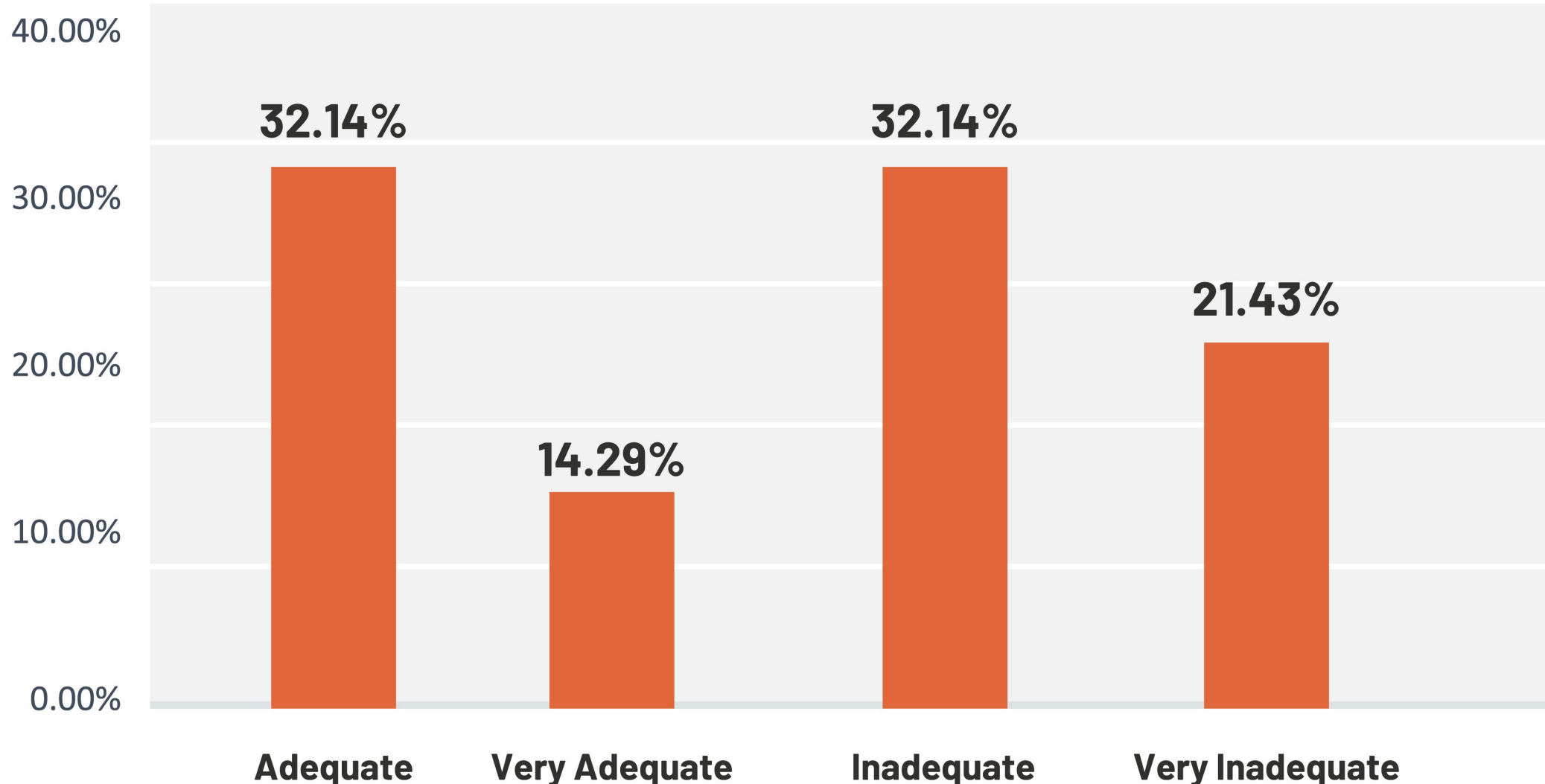
# Key Findings



# Campus ICT Infrastructure

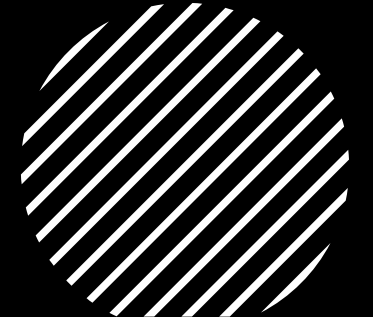
Bandwidth Capacity (Mbps)	# of Institutions	% of Institutions
5 -10	8	28.57
10 – 20	4	14.29
20 – 50	10	35.71
50 -100	3	10.71
100 and above	3	10.71
<b>Average Bandwidth = 45.71 Mbps</b>		
<b>% of Institutions use 50 Mbps or below = 78.57%</b>		

# Campus Internet Speed Perception

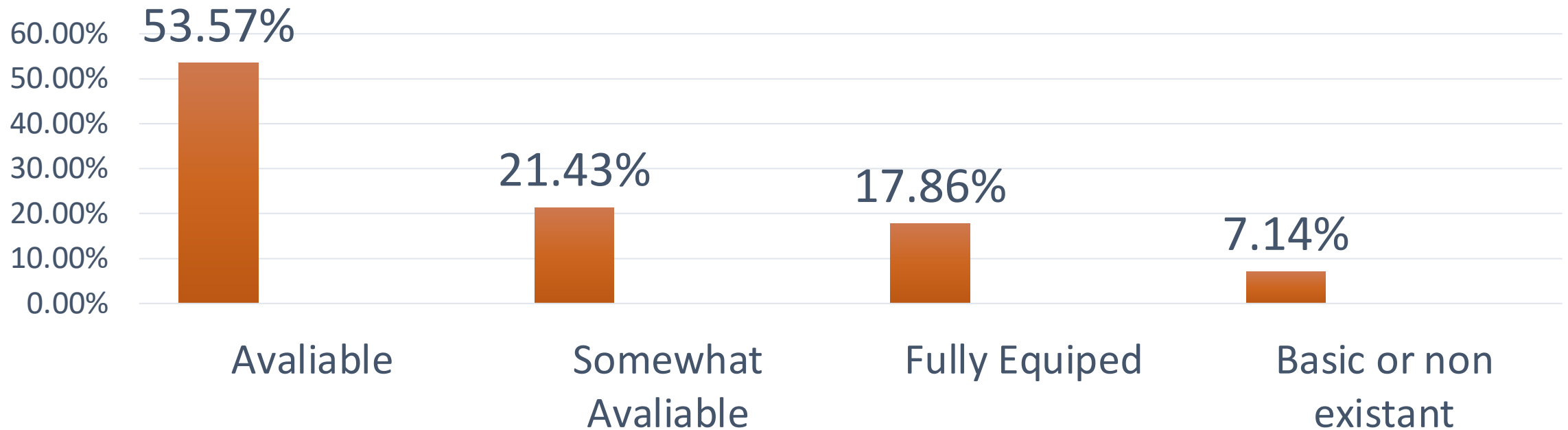




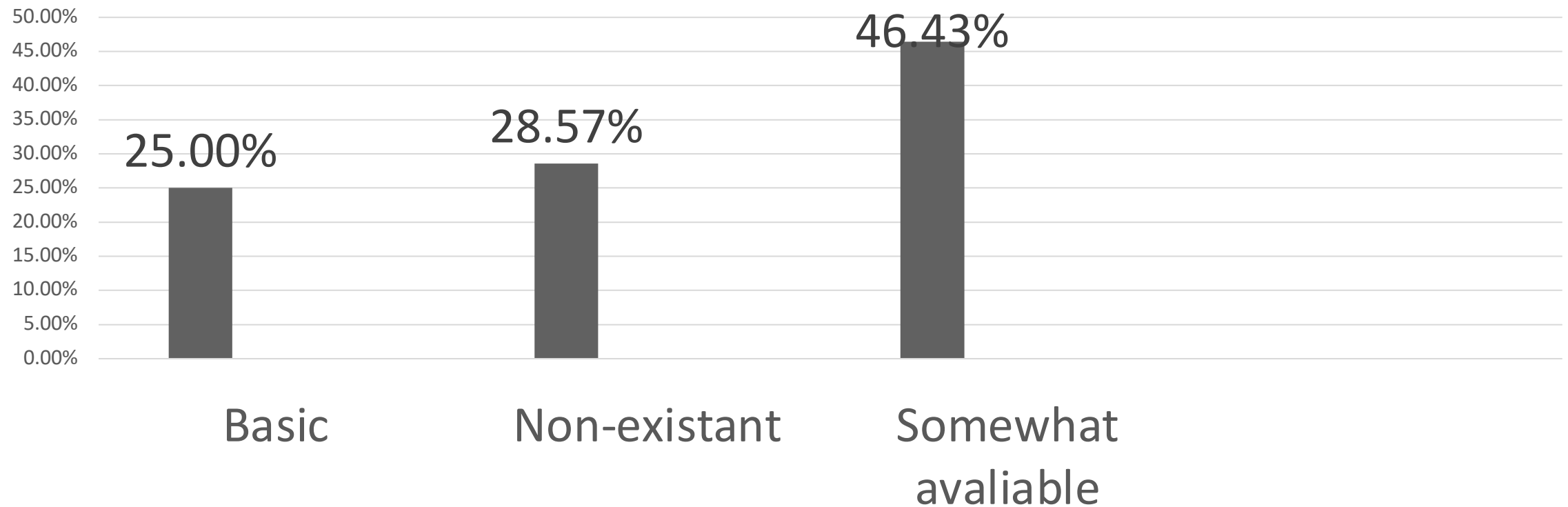
# Availability of a Dedicated ICT Office



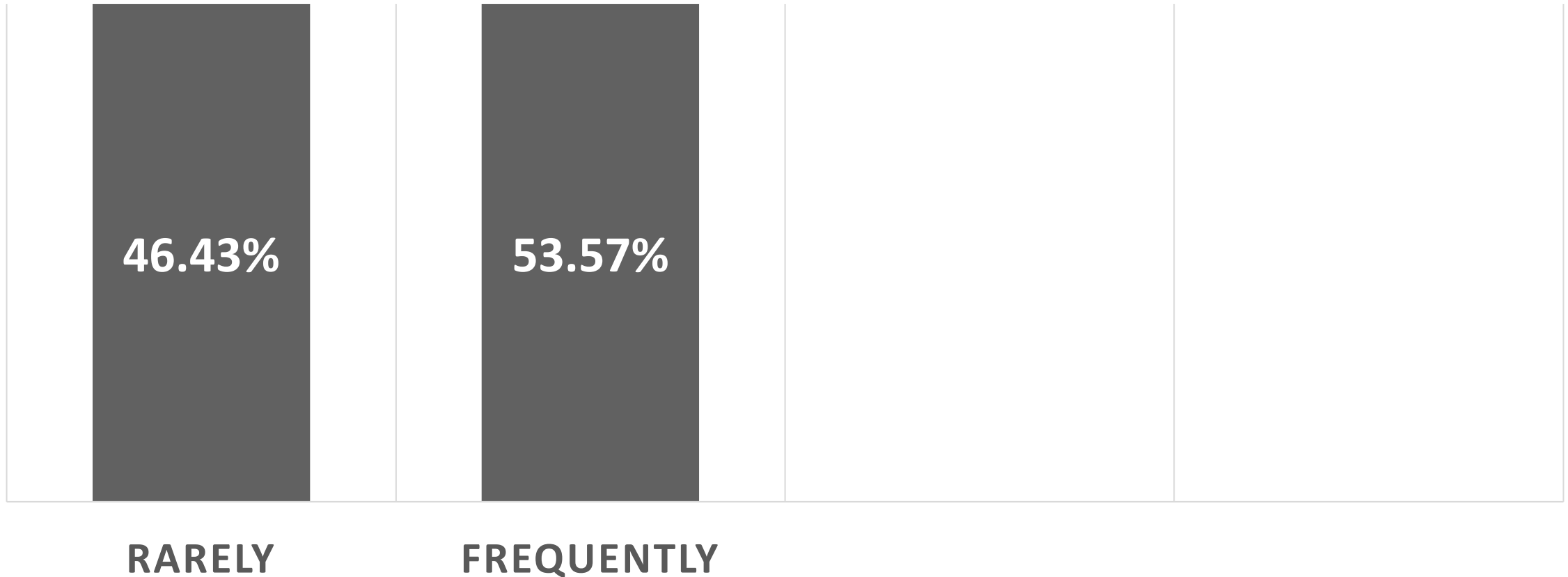
Availability of ICT Office in the Campus



# Campus Data Center/Server Room Facility



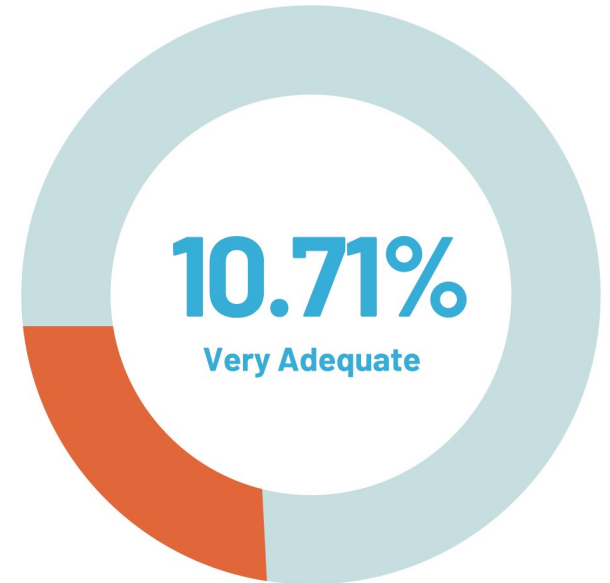
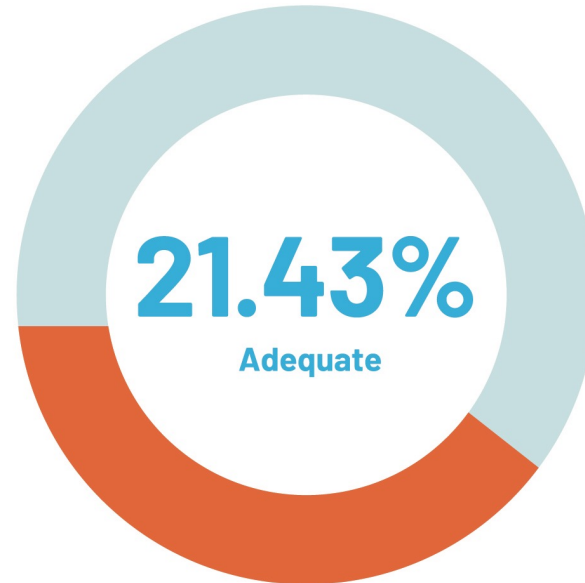
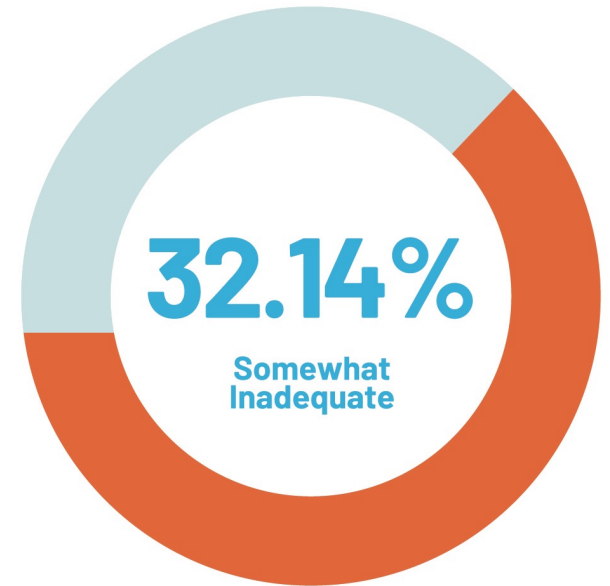
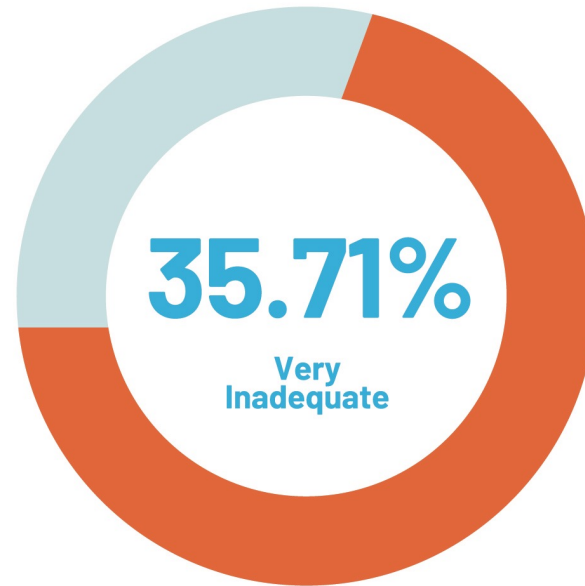
# Frequency of Technical Issues



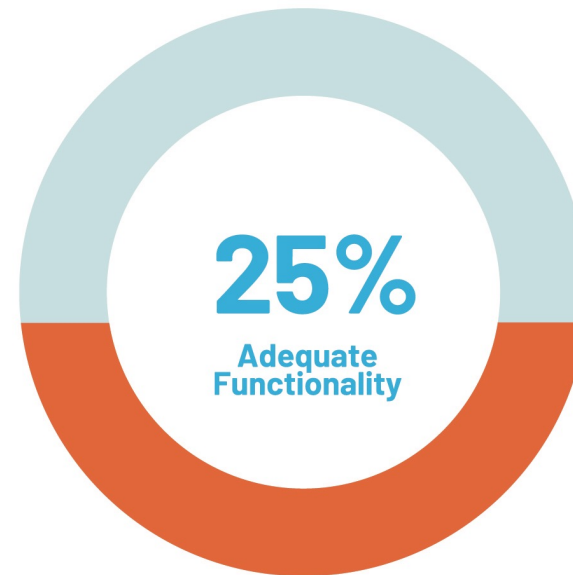
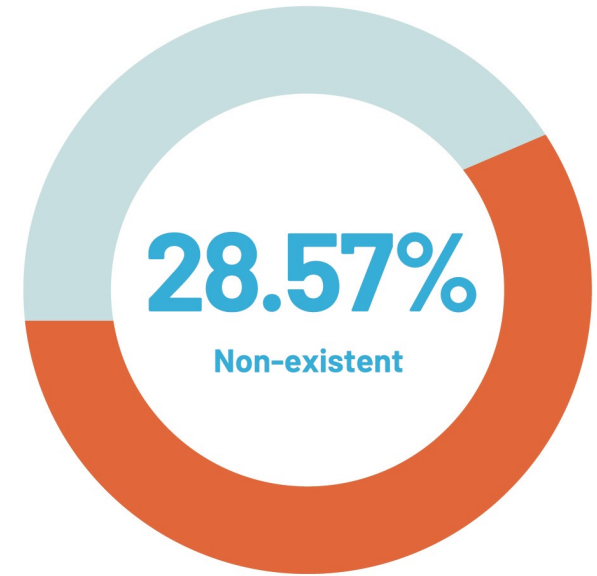
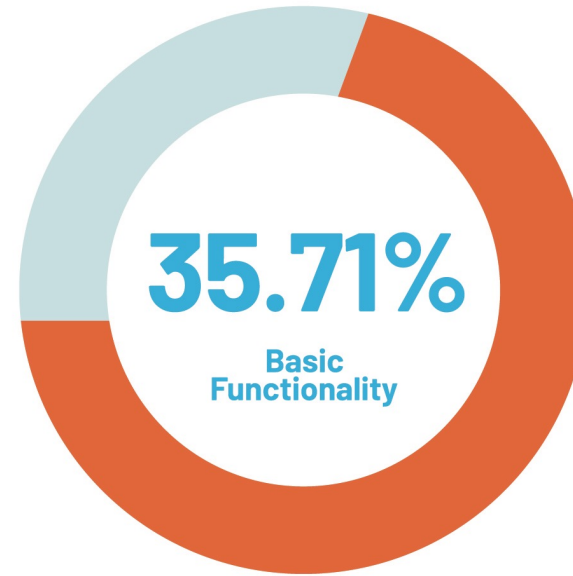
# ICT Utilization



# E-Resources



# Learning Management Systems (LMS)



## Management Systems (e.g., Student Information Systems)

Fully Utilized

**64.29%**

Partially Utilized

**21.43%**

Not Utilized

**10.71%,**

Rarely Utilized

**3.57%**

# Summary of Campus ICT Challenges and Needs (1)

- **Inadequate Campus Internet Speed**

- **46.43%** of the institutions reported experiencing inadequate campus internet speed.

- **Lack of a Dedicated ICT Office**

- **28.57%** of the institutions highlighted the lack of a dedicated ICT office as a key challenge.

- **Inefficient Data Center Facility**

- **46.43%** of respondents identified inefficiencies in their data center facilities.



# Summary of Campus ICT Challenges and Needs (2)

- **Limited Management Systems**

- The survey revealed that **39.29%** of institutions need help with limited management systems.

- **Lack of Access to Data Management and Research Tools**

- A significant challenge reported by **64.29%** of the institutions is the lack of access to paid data management and research tools.

- **Limited or Outdated E-library Resources**

- **64.29%** of the respondents indicated that their institutions need more or more updated e-library resources.

- **Inadequate Learning Management System (LMS)**

- **35.71%** of the institutions reported inadequacies in their Learning Management Systems (LMS).

# Future Prospects and Priorities

- **Infrastructure Development ( 92.86% of respondents)**
- **Software and Tools ( 75.00% of respondents)**
- **Training and Development ( 96.43% of respondents )**
- **Research and Innovation ( 78.57% )**
- **Policy and Governance ( 39.29% of respondents )**

# **Recommendations**

**Strengthen ICT Infrastructure**

**Enhance ICT Utilization**

**Address ICT Challenges and Needs**

**Prioritize Future Investments**