

# **ICT CAPACITY SURVEY IN 40 PUBLIC COE.**



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# OUTLINE

- **Background and Motivation**
- **Methodology**
- **Findings**
- **Summary of findings**
- **Recommendations**
- **Conclusion**



# BACKGROUND

- DFID's Annual Review of T-TEL in November 2015 pointed to the need to review and finalise T-TEL's ICT strategy,
  - particularly with respect to the plans to procure some ICT tools to support learning in colleges.
- NCTEs developmental strategies and policies for tertiary education institutions includes several activities which are largely dependent on ICT capacity. i.e. EMIS, Curriculum framework, Access, Equity, Affordability, Quality and Relevance.

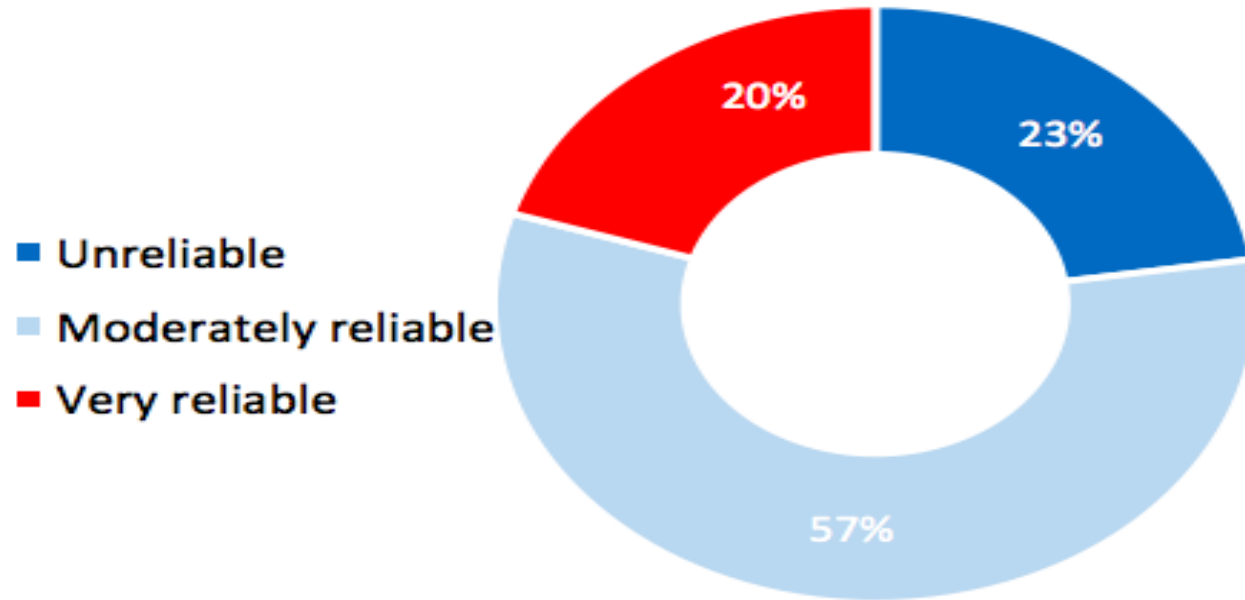
# METHODOLOGY

- Evidence based assessment through visits to all 40 CoEs, with a team of experts from NCTE and Consumer Insight Consult (CIC)
- Interviewing 3 key actors in the chain of tutor development (College Managers, ICT Tutors and Technicians, Student Tutors).
- Data included semi-structured interviews and CoE facilities were inspected.
- Data was analysed both thematically as well as quantitatively. Weighted scoring was used in the analysis of the data to obtain a score for ICT readiness.
- Variables used for scoring (Infrastructure, Human Resource Capacity, ICT Use Policy, Access to ICTs)
- Duration from October 2016- May 2017.

# FINDINGS

## Electricity Power

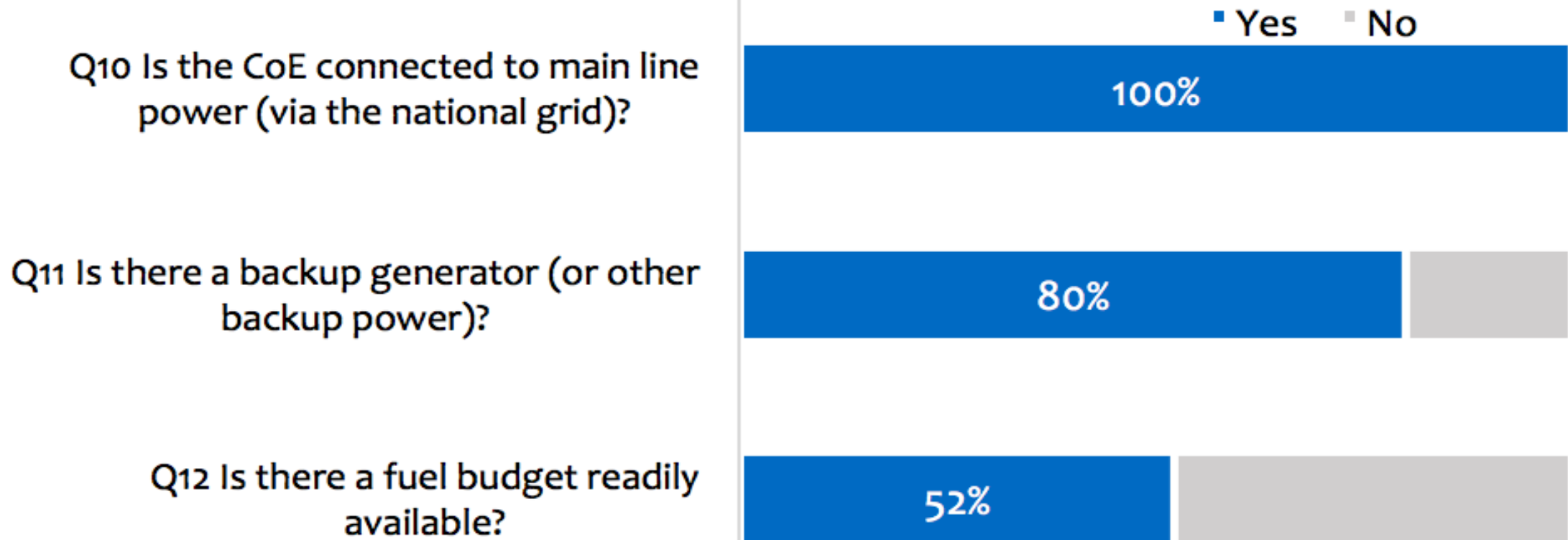
Q13 How reliable is electric power (main line and generator combined)?





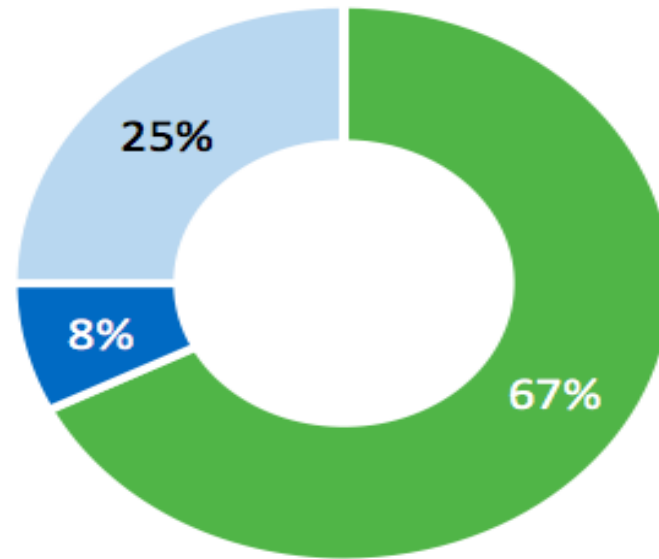
# BACK UP ELECTRICITY POWER

Q10, Q11, Q12: Availability of Power and Budget for Fuel



# WIRELESS LOCAL AREA NETWORK (W-LAN)

Q64: Is there Wireless LAN in the College?



■ Yes working

■ Not working (but infrastructure in place)

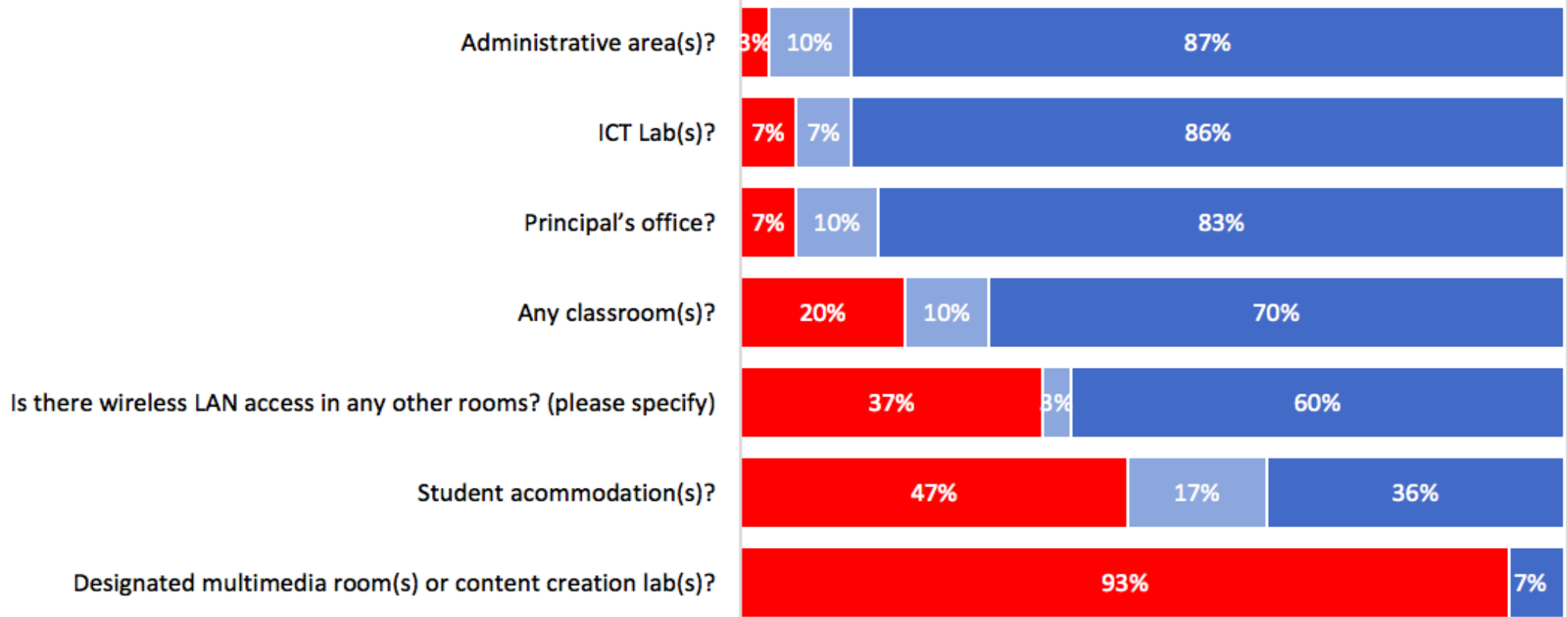
■ No infrastructure

# W-LAN CONT.

## Q65 to Q71: Wireless LAN Access

- No infrastructure
- Not working (but infrastructure is in place)
- Yes, working

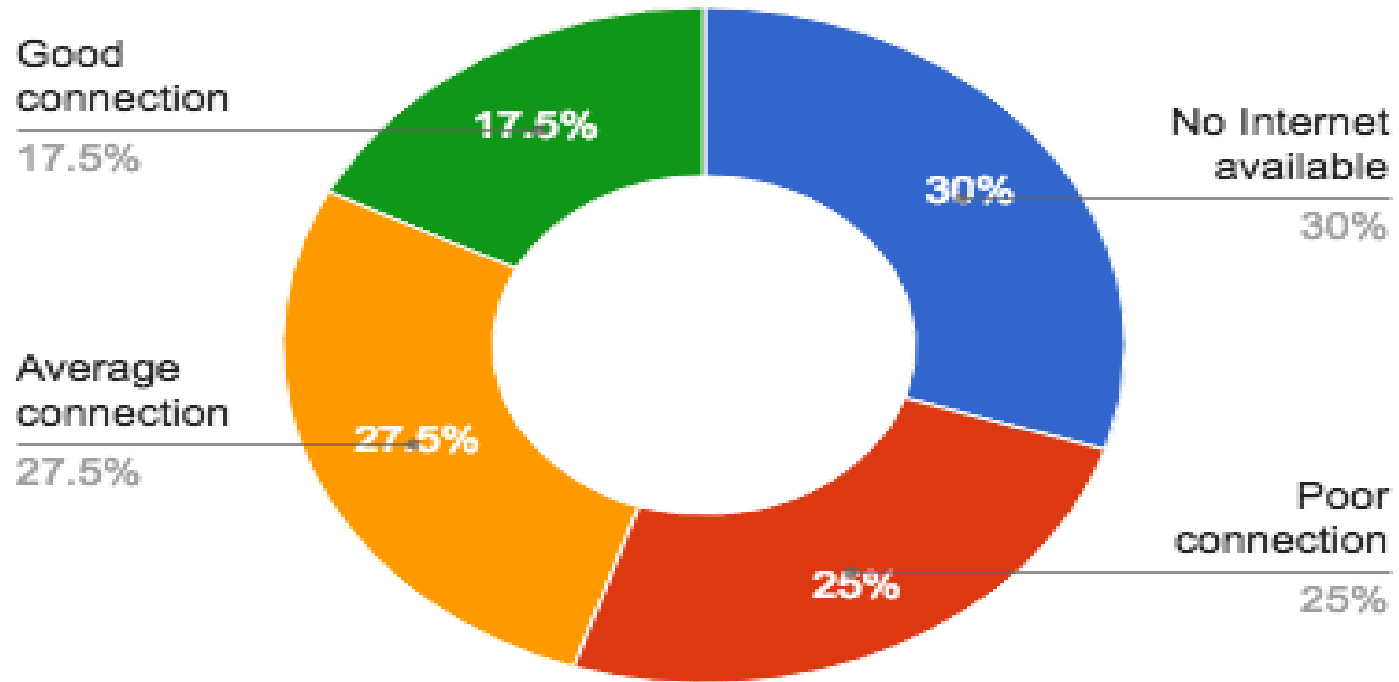
Q65 to Q71: Is the wireless LAN access in the:





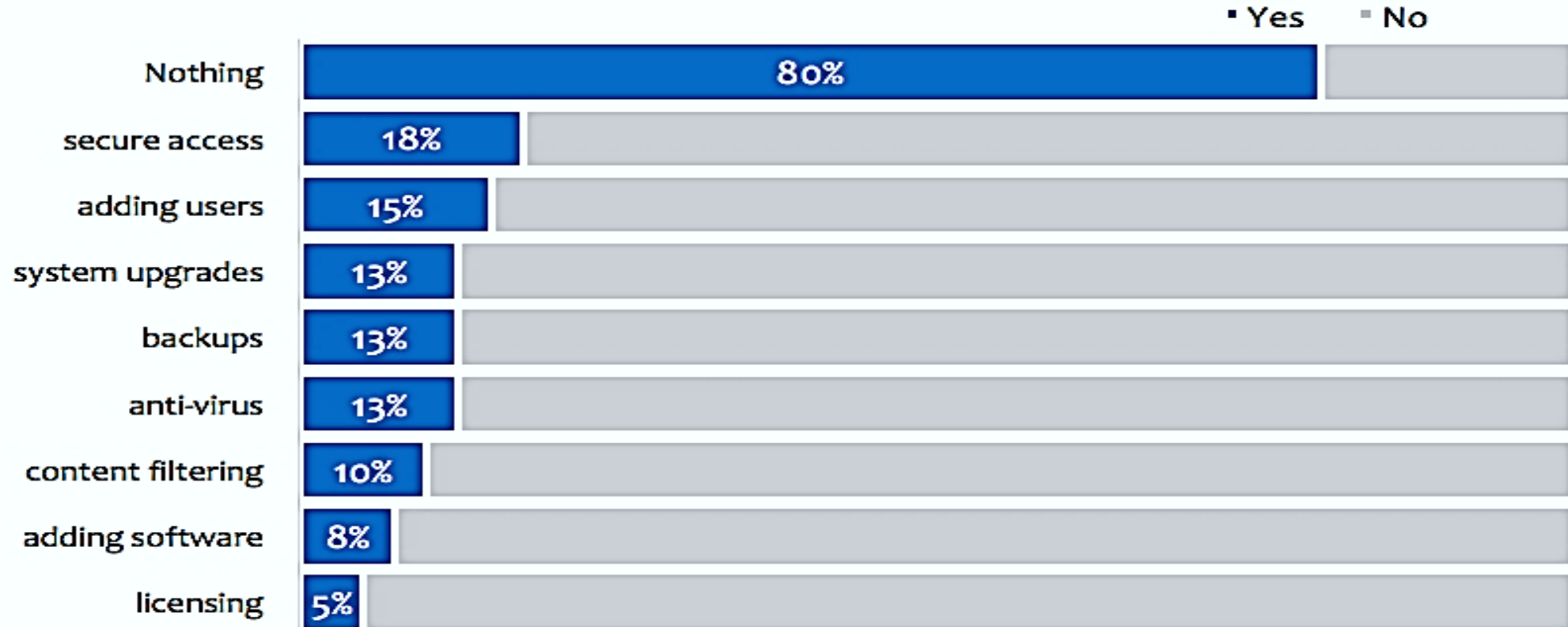
# INTERNET CONT.

## Internet Connection Rating



# ICT USE POLICY

C35. What does the college have in place regulating and controlling aspects of systems maintenance

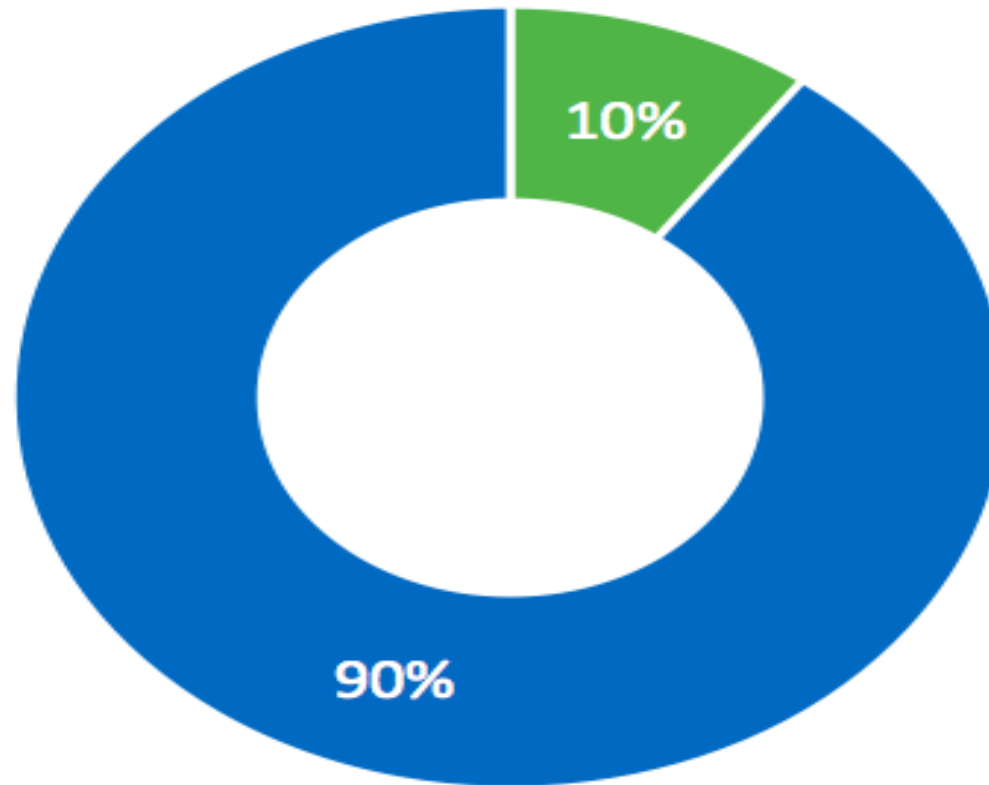


Multiple Response Set  
Each Percentage is on a total of 40

# DATA RECOVERY PLAN

C39 Is there a data recovery plan or policy? A data recovery plan is any process or procedure that allows the recovery from data loss through technical failure, user error or theft.

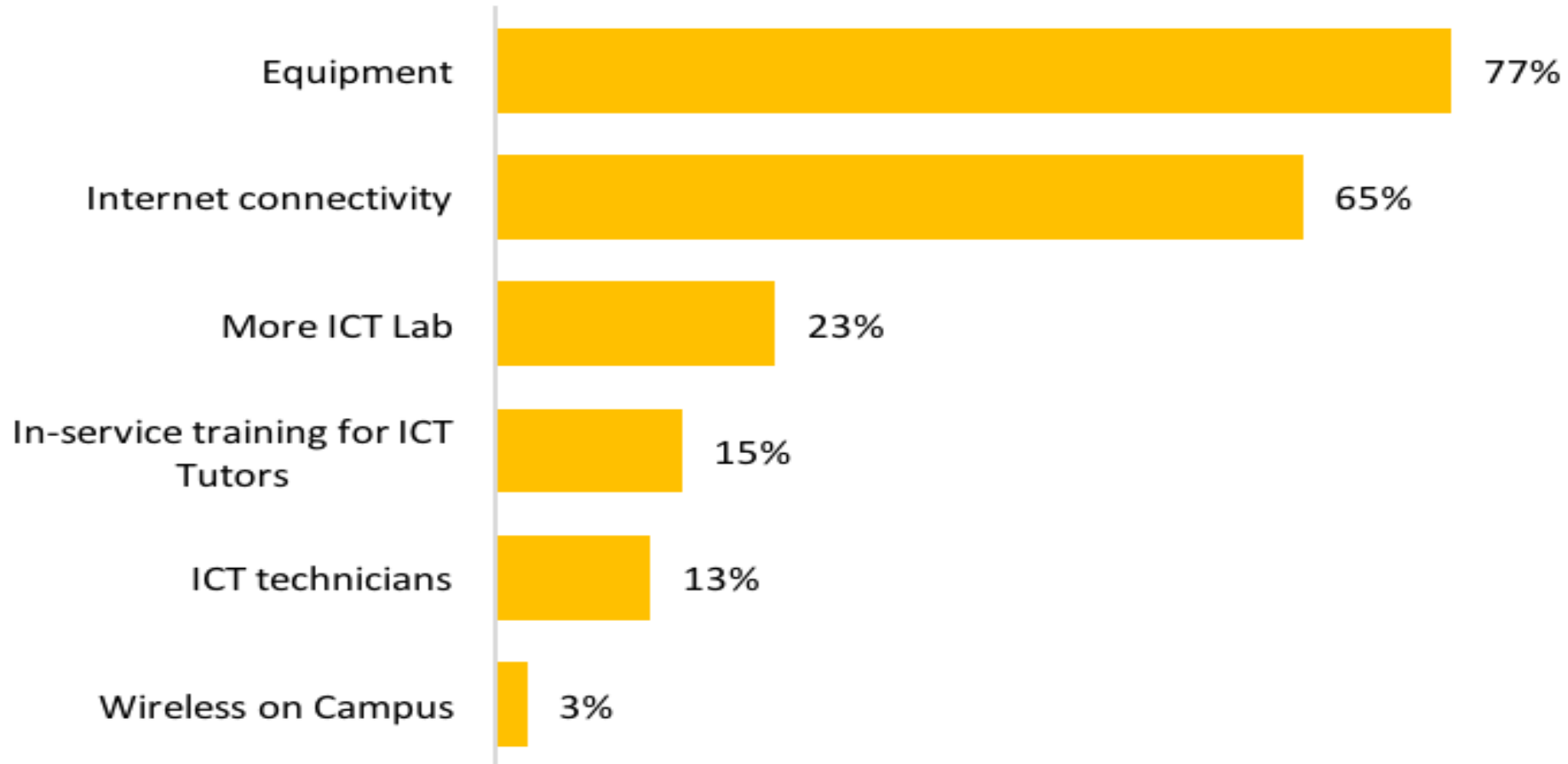
- Yes! There is a data recovery plan or policy
- No! There is no data recovery plan or policy





# COE PRIORITY NEEDS

Q1. What are the priority needs in your college with regards to ICT?



# SUMMARY OF FINDINGS

- Unstable power situation coupled with non existent budget for fuel for backup generator
- Relative good coverage of wireless access across teaching and learning areas on campus
- 17.5% good internet connectivity on campus across colleges
- Lack of ICT use and implementation policies
- 80% of Colleges have no ICT technician
- 10% of colleges demonstrated some evidence of a disaster recovery plan
- Priority is on equipment, labs, Internet and capacity building.

# RECOMMENDATIONS

***A CoE sector strategy for integrating ICT in Education in line with the ICT in Education policy 2008 could provide efficiencies for all CoE.***

- There should be affordable internet and WAN connectivity in all CoE (sector wide) NITA.
- NCTE should urgently lead the development of a cost effective ICT integration framework and motivation scheme for all CoE. (Blueprint)
- The NCTE should develop an ICT application and use policy for all COEs.
- There should be piloting of affordable ICT innovations in CoE:
  - Teaching and learning strategies within specific subject disciplines.
  - Student-run clubs to increase access to ICT labs.
  - EMIS development should be iterative due to the different capacity of the colleges.



# RECOMMENDATION CONT.

- NCTE/PRINCOF should promote professional development for tutors on integrating ICT in Education and in ICT specialised colleges
- NCTE/PRINCOF should encourage shared Open Access Resources and content development for colleges
- College leaders should insist on professional development for ICT technicians (in managing ICT in tertiary institutions; EMIS requirements etc)
- Monitoring and Evaluation tools at the college level and at the NCTE

# CONCLUSION

Although there are efforts by CoEs to improve the use of ICT with existing resources, this will only be achieved with guidance that supports informed and effective decision-making on ICT policies, Human resource, Infrastructure and Student tutor development.

**THANK YOU**