ICT CAPACITY SURVEY IN 40 PUBLIC COE.

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OUTLINE

- Background and Motivation
- Methodology
- Findings
- Summary of findings
- Recommendations
- Conclusion
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.
METHODODOLOGY

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

- Unreliable: 20%
- Moderately reliable: 57%
- Very reliable: 23%
Q10, Q11, Q12: Availability of Power and Budget for Fuel

Q10 Is the CoE connected to main line power (via the national grid)?

- Yes: 100%
- No: 0%

Q11 Is there a backup generator (or other backup power)?

- Yes: 80%
- No: 20%

Q12 Is there a fuel budget readily available?

- Yes: 52%
- No: 48%
Q64: Is there Wireless LAN in the College?

- Yes working: 67%
- Not working (but infrastructure in place): 25%
- No infrastructure: 8%
Internet Connection Rating

- Good connection: 17.5%
- Average connection: 27.5%
- Poor connection: 25%
- No Internet available: 30%
### C35. What does the college have in place regulating and controlling aspects of systems maintenance

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Nothing</td>
<td>80%</td>
<td></td>
</tr>
<tr>
<td>Secure access</td>
<td>18%</td>
<td></td>
</tr>
<tr>
<td>Adding users</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>System upgrades</td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>Backups</td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>Anti-virus</td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>Content filtering</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>Adding software</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>Licensing</td>
<td>5%</td>
<td></td>
</tr>
</tbody>
</table>

*Multiple Response Set
Each Percentage is on a total of 40
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
Q1. What are the priority needs in your college with regards to ICT?

- **Equipment**: 77%
- **Internet connectivity**: 65%
- **More ICT Lab**: 23%
- **In-service training for ICT Tutors**: 15%
- **ICT technicians**: 13%
- **Wireless on Campus**: 3%
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