



ROYAL INSTITUTE
OF TECHNOLOGY

Department of Microelectronics and Information Technology

The Royal Institute of Technology - KTH

MASTERS THESIS PROJECT

On

**Facilitating E-government by promoting use of broadband services in rural areas – a case of Bunda,
Tanzania**

Thesis Report Week 8

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1. Report Purpose

This report presents progress of master's thesis project on Facilitating e-government by promoting use of broadband services in rural areas – a case of Bunda district in Tanzania.

This report contains description of a week 8 and progress, challenges and risks, success stories and targets for the coming week.

2. Weeks Description

This week was characterized by more of non practical work. Travel to another rural area in another region to participate as a facilitator in a workshop for members of ICT4RD boards of Bunda and Serengeti district. The workshop which was more of a study tour for ICT4RD members was conducted in Sengerema district. A district that is some steps more advanced in rural ICT. It has its own multiple services Telecentre, which provides services, ISP, training and ICT awareness programmes to its people.

The following objectives were set and executed along the way:

- Travel to Sengerema District to attend an ICT4RD study tour workshop for Bunda and Mugumu ICT4RD districts board members. Some Bunda and Mugumu District Council staffs are among participants in this workshop. In this workshop I have a section to present about e-government (What? Why? And How?). I view this as an opportunity to penetrate values of ICT services in a good picture. (It took 4 days including travelling)
- Accomplish introduction and surveying procedures (DC, DED, DAS, Principal of BTC, Contact at Bunda Sec School, Contact at Bunda DDH, and Contact at Manyamanyama)
- Prepare presentation for Sengerema workshop.
- Technical preparation for localizing the mail and web server from being at COSTECH to locally host them in Bunda. (e-Literature review and analyzing current server settings)

3. Accomplishments

Activities	% Completed	Remarks
Sengerema District Telecentre workshop to ICT4RD board members of Bunda and Serengeti. Preparation and presentation.	100	Successful conducted with positive feedback from the participants. There were some things to learn from the telecentre and rural experiences from rural ICT4RD board members. View appendix I for some photos from the Sengerema Workshop
Accomplish introduction and surveying procedures (DC, DED, DAS, Principal of BTC, Contact at Bunda Sec School, Contact at Bunda DDH, and Contact at Manyamanyama)	100	
Technical preparation for localizing the mail and web server from being at COSTECH to locally host them in Bunda. (e-Literature review and analyzing current server settings)	80	<ul style="list-style-type: none"> - A walk around on the network , and its services. - A review on configuration issue and decision to have all services in an Ubuntu Distro

4. Success Stories

Most of the days in this week were spent in safari to and from Sengerema and participation to the workshop. The following is a summary of success stories so far:

- Successful workshop presentation, which stimulated ideas and inputs necessary for creation of the Vision of the District ICT4RD board.

5. Challenges & Risk

Risks observed from Last Weeks and Proposed solution

Risks observed Last Time:

- Absence of LAN to connect PCs at the Bunda District Council may hinder the use of email, www and VoIP services.
 - **Suggested Action:** For the objectives of the project to be met complete LAN should be installed at the District Council. It is recommended that this LAN be given a higher priority.
 - **Response:** After communicating with the Project Manager, I was informed that the LAN was planned to be installed at the District Council starting from 2nd of February 2009.
 - **Remarks:** In the next report this will appear as *“risk on mitigation progress”* unless resolved.
- The situation at Bunda in terms of ICT equipments installed and computer network at the District Council may lead to change of priorities and duration of activities execution. (Some antennas are out of services “stricken by lightning”, and VoIP phone out of use)
 - **Action:** Coming week observation will bring clarity on this matter.
 - **Response:** After communicating with the Project Manager, I was informed that the VoIP phones will arrive with the LAN installation plan. Also, fault equipments will be replaced.
 - **Remarks:** In the next report this will appear as *“risk on mitigation progress”* unless resolved.

This Week’s observed Risk:

- Proposal from the Project Manager of changing the Linux distribution and services on the current Bunda server may lead to extension of some days on the project plan.
 - Action: Analysis of this

This Week’s observed Challenges:

- Challenges in this week were more of observed challenges that did not directly affect me: It was difficult for some workshop participants to arrive at Sengerema on time and somehow it was difficult for some of them to stay focused on ICT issues.

6. Changes on the project plan

So far no significant changes on the project plan.

7. Plans for next week

Next week I am planning to perform the following activities:

- Setting up of the district's governance email server
- Setting up of the district's ict4rd email server
- Setting up the district's governance web server
- Training the District's Council ICT person and ict4rd technician on the email and web servers administration.

Appendix I: Photos - Sengerema Telecentre Workshop



Workshop participants at the Telecentre entrance



Presenting in one of the workshop sessions about eGovernment



Emphasizing a point during the workshop



Sengerema District Telecentre