Term 2 Findings

The first item on the agenda for this phase of my project is to find out which PC to install an upgraded version of asterisk, install BRI card, and liaise with the UNAM computing department to prioritize the VoIP traffic coming from Rhodes. Some information on the UNAM agreement with the ISP.

Process and Results:

1. Locate new PC for iLanga installation: Thanks to Kauna Mufeti (UNAM) for allocating a PC we can use for the iLanga installation.

2. Install iLanga: A decision was made to have Fedora core 6 as the operating system, Asterisk v1.2.10. With help from Mosiuoa (Rhodes) I was equipped with the installation CD, ISDN and BRI cards. We had stumbling blocks at each turn with respect to the installation. The Fedora core 6 repository and RPM files were a nuisance to download, but after trial and error we got asterisk up and running but had difficulty with the iLanga front-end flash website.

3. Network prioritization: We were unable to install the cards that would complete the installation of iLanga but nonetheless we asked the Network Administrator Daniel (UNAM) to request the UNAM ISP Verizon Business to prioritize and permit traffic from Rhodes to UNAM. Below are responses I got for some questions with regard to the UNAM and their ISP:

- international bandwidth that UNAM has: (Verizon 128K email only and 1024K internet from Telecom Namibia)
- is Verizon Business able to prioritise VoIP traffic (SIP and RTP) coming from Rhodes?: (Yes if we convert them to MPLS lines and prioritize VoIP traffic)
- What is the bandwidth that you have a CIR with UNAM?: we don't have a committed access rate, for UNAM, that option does exist, but it is costly.
- What traffic shaping is currently in place for inbound traffic to UNAM?: (Not sure, they manage their own firewall) Current Internet router is open.

4. Test the connection: This we were unable to do because the installation of iLanga was not completed. I am hoping to get this complete within the next two weeks. Hoping that we get a proper ftp connection to the iLanga box at UNAM.