Dar es Salaam Institute of Technology



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Communication Switching Systems Course

Course Code: ETU07402

Assignment 04

Assignment 04

Design and implement an IP based PBX (VoIP) system using open-source software for use in a small enterprise office. Use the system to Develop and deploy an IVR for [choose an organization/institute of your choice] for [enter the reason for the choice] for example Interactive Voice Response System for DIT automation.

Guide lines

- 1. Use open software of your choice ie Asterisk, an open source VoIP software, Switchvox or Free SWITCH
- 2. Use any free online Android or window based voip/SIP clent ie Zoiper, X-Lite Softphone, or MicroSIP
- 3. You can use window or Linux OS as your platform
- 4. The assignment should be done in group of at least four (4) students.
- 5. The system should be very minimum at least for 20users
- 6. Prepare a report (Ms word & PowerPoint) with the following format
 - a) Abstract
 - b) Introduction
 - c) Literature review
 - d) Design criteria (assumptions and traffic estimate if any)
 - e) Summary of outcomes
 - f) Recommendation and conclusion
 - g) Note: use provided writing guidelines