



Southern Polytechnic State University
Spring Semester 2014
ECET 4840 Advanced Telecommunications

Laboratory Exercise 1: Basic Internet Connections

Objective: To simulate various home PC network connection scenarios in order to understand the operation of OPNET IT Guru and the parameters and considerations related to basic Internet connectivity.

Procedures:

- i) Visit the IT Guru OPNET website:
http://www.opnet.com/university_program/teaching_with_opnet/textbooks_and_materials/itg_panko.html
- ii) Open the Lab Manual entitled "Evaluating Internet Connection Choices for a small Home PC Network"
- iii) On your workstation start IT Guru OPNET and complete the lab. **Note:** Since you will writing a report take several screenshots of your work as you proceed through the lab.
- iv) **Turn in:** a lab report containing a coversheet (course, semester, laboratory exercise number, laboratory exercise name, your name, and due date), introduction, lab write up and results, and a conclusion. Staple all pages together in the upper left-hand corner. For the lab write up section briefly describe each of the subsequent scenarios found in the lab manual with text and screenshots. Explain which functional area(s) the given scenario is related to.