ITS 413 – ASSIGNMENT 2

Name : <enter name here>

ID   : <enter ID here>

Answer each question, giving clear and detailed answers. You may use figures etc. As a guide, each answer should be at least 1 page of text (although may be longer). Submitted your computer typed answers by 5pm 22 February 2008 (email submission of MS Word 2003 or PDF is acceptable).

Question 1 [4 marks]

The most popular use of peer-to-peer systems are for file-sharing applications. What other types of applications make use of peer-to-peer applications/protocols? List at least four types of applications, and for each, explain the benefits as well as drawbacks of using a P2P system for the application.

Question 2 [3 marks]

Consider the SIIT website. List and explain steps the SIIT web administrator could take to increase the ranking of the website in popular search engines (use the international version of Google as an example: http://google.com/ncr). Assume that SIIT wants to increase its exposure to potential students outside of Thailand, mainly in other parts of Asia.

Question 3 [4 marks]

Explain what Virtual Private Network is, and describe two options of implementing a VPN (one using IPsec, one using other technologies) at SIIT (assuming staff and students want to connect to SIIT from home or outside the Thammasat University). Also explain, the potential benefits of VPN access to SIIT, as well as any drawbacks.