**Lab 10**

**Router and Server for a small organization**

**Dr. Abraham**

Due April 5, 2018

You will be called upon to give specifications/purchase order for hardware/software. For this lab you will configure a server for a small business and make recommendations for an appropriate router. In order to keep it simple, please go to Dell and configure a PowerEdge Tower server. You need to decide on CPU, memory, power redundancy, hard drive redundancy, hot swap, backup solutions, etc. Dell gives you help on each of these items, make sure to read the help. Your server must have built in redundancy and backup options, for POWER, DATA. It takes some reading to understand the concepts and proper configuration at the dell site. Dell site makes sure you do not have mismatches. Look for a server that costs over $5,000.

For Router, please go to CISCO website for specifications and prices from any wholesaler or retailer (even Amazon). Keep in mind Broadband redundancy. Make a statement as to how you plan to handle the redundancy with this router and ISP providers.

Once you choose a configuration please print out the specifications of the server and explain why you chose each item.