CCNA Exploration: Network Fundamentals

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Explain how communication works in data networks and the Internet

- Recognize the devices and services that are used to support communications across an Internetwork

- Explain the role of protocols in data networks

- Describe the importance of addressing and naming schemes at various layers of data networks

- Describe the protocols and services provided by the application layer in the OSI model and describe how this layer operates in sample networks

- Analyze the operations and features of the transport layer protocols and services

- Analyze the operations and features of the network layer protocols and services and explain the fundamental concepts of routing

- Design, calculate, and apply subnet masks

- Describe the operation of protocols at the OSI data link layer

- Explain the role of physical layer protocols and services

- Build a simple Ethernet network using routers and switches

- Use Cisco® CLI commands to perform basic router and switch configuration and verification

Vasil Gudzhev

Student

Sofia University St. Kliment Ohridski

Academy Name

Bulgaria

Location

Krassen Stefanov

Instructor

Dec 3, 2012

Date

Instructor Signature