Hardware & Networks

Fd.Sc. Applied Computing

Your name…

Your name….

Contents

Your name….

Building Computer Systems

Within this section you should be discussing the essential functionality of hardware components (the ones you use in building the computer system). What each component does, how could it be upgraded etc.?

Preventative Maintenance

Explanation and refer to appendix.

Troubleshooting

Explanation and refer to appendix.

Safe lab procedures and tool use.

Explanation and refer to appendix.

Operating Systems

Within this section you should be discussing the concepts of operating systems, evaluating the different types of systems you have been using within the labs.

Installation

Explanation and refer to appendix.

Functionality

Explanation and refer to appendix.

Configuration

Explanation and refer to appendix.

Networking

Within this section you should discuss the fundamental principles of layered networking models by discussing and comparing the OSI and TCP/IP models layer by layer. Use you experience and evidence of tasks carried out to refer to. Discuss the respective components and configuration at each layer.

Topologies

Evaluate different network topologies including those you have used, and those you have not. Explain why the alternatives have not been used.

Protocols & Addressing Schemes

Evaluate different protocols and addressing schemes including those you have used, and those you have not. Explain why the alternatives have not been used.

Configuration

Explanation and refer to appendix.

Your name….

Preventative Maintenance

Explanation and refer to appendix.

Troubleshooting

Explanation and refer to appendix.

References

Walker, C., 2010. *Windows Server 2008: control passwords in group policy.* [Online]
Available at: http://www.youtube.com/watch?v=HMujfYQj5TM
[Accessed 02 12 2013].

Appendices

This is where you can you put your series of screenshots/photo….

Appendix A: Evidence of building a computer from base components

Appendix B: Evidence of installing proprietary and open-source Operating Systems

Appendix C: Evidence of connecting peripherals

Appendix D: Evidence of physically connecting computers in a peer-to-peer, local area network configuration

Appendix E: Evidence of configuration proprietary and open-source operating systems for network connectivity (IPv4).

Appendix F: Evidence of configuration proprietary and open-source operating systems for network connectivity (IPv6).

Appendix G: Evidence of creating user accounts and secure passwords on proprietary and open-source operating systems

Appendix H: Evidence of creating shared folders and mapped network resources on proprietary and open-source operating systems

Appendix I: Evidence of sharing printers on proprietary and open-source operating systems