

ADCHN(Advance Diploma in Computer Hardware & Networking)

Duration : 1 Year

Eligibility : 10th Pass

Part- I

1. Computer - an Overview
2. Operating System (Windows/Linux)
3. Introduction to Word Processing
4. Introduction to Spreadsheet
5. Introduction to Presentations
6. Internet

Part-II

1. Basic Electronics,
2. Atomic Structures,
3. Electronic Components,
4. Semi-Conductors,
5. Measuring Instruments,
6. Basic Digital Electronics(Number Systems, Digital Logical Gates etc.)

Part-III

1. Computer Architecture,
2. Mother Board and its all components,
3. Computer Components (Input/Output Devices, Primary and Secondary Memory, Power Supply, Monitor).
4. Computer Assembling,
5. Make your own Computer,
6. Operating System Installation,
7. Windows
8. Vista,
9. Software Installation,
10. Trouble Shooting,
11. Bios Setups,
12. Identifications of Components.

Part-I V

1. Advanced Digital Electronics,
2. Binary Codes,
3. Boolean Algebra Laws,
4. Combinational and Inhibit Circuits
5. Adder and Subtractor
6. Flip-Flops and Timing Circuits
7. Digital Integrated Circuits
8. Multiplexer
9. De-Multiplexer,
10. Shift Registers,
11. Counters,
12. Add on cards ,
13. Advanced Trouble Shooting and Maintenance

Part-V

1. Introduction to networking Technology,
2. Types of Net working,
3. Transmission Media,
4. CAT 6 Cables,
5. Transmission Media Adapter,
6. Network Topologies,
7. Network Architectures,
8. Networking an Internet Connection with Group Computers,
9. Raid Configuration with Hard disk,
10. Windows 2003 /2008 Server,
11. Windows 7 Net Working Features.

Part-VI

1. Introduction to Laptops,
2. Portable System background,
3. System Features,
4. Processors,
5. Mother Boards,
6. Memory, Power,
7. Expansion
8. Bus,
9. Hard Disk & Removable Storage Devices,
10. Laptop Components,
11. Laptop Maintenance & Assembling,
12. Linux,
13. Multimedia,
14. Internet,
15. Computer VIRUS
16. Wi-Fi Network Trouble Shooting.

Part-VII

1. Principle and Operations for Networking,
2. Metropolitan Wi-Fi Networking Design and Deployment,
3. Network Security,
4. Wireless
5. LAN Security Fundamentals,
6. Wireless 802.xx Network Over view,
7. Wireless LAN Trends and Technology.
8. Networking Software
9. Installations.