2022-23

DIPLOMA IN HARDWARE AND NETWORKING

GURUKUL

EDUCATIONAL AND

RESEARCH INSTITUTE

Subject and Syllabus

Syllabus

DIPLOMA IN HARDWARE AND NETWORKING

DURATION:- 1YEAR

Foundation Module

- Computer Fundamentals
- Analog Electronics
- Digital Electronics
- Operating System Basic
- Digital Circuits

522 CORE HARDWARE:-

Functioning, Configuration and Trouble shooting of various hardware like Keyboard, Mouse, Storage Device(FDD,HDD, CDROM), BIOS, RAM, CMOS, Processor, Motherboard, Hands on pc

523 OPERATING SYSTEM BASIC:-

Installing windows 98/2000/20003/2009/XP, Installing Antivirus Software, Backup and Restore.

524 NETWORKING ESSENTIAL:-

- Network models
- Networking Topologies & Architecture
- Transmission Model
- Connectors
- ISO/OSI
- Layers
- Protocols
- WAN Technology
- V LAN technology
- Network Devices
- Firewall
- Network Trouble Shooting
- Strategies

525 WINDOW SERVER ADMINISTRATION:-

Installation, User/Group Management, Disk Management, Printer DHCP, IIS & DNS, Distributed File system

526 LINUX NETWORKING & ADMINISTRATION:-

Installation, Connecting to a Network, Shell & Kernel, Directory Structure, User & Group Management, Editor, Linux Commands, Configuration of Servers- Samba, Telnet, DHCP, FTP, DNS, Apache and NFS.

527 WEB SECURITY

528 Networking Fundamental