

Diploma in Hardware & Computer Networking (DHC) – Syllabus (1 Year)

Semester – I

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
1	8501	1DHC1	Fundamentals of Computer Hardware
2	8502	1DHC2	Operating System & Installation
3	8503	1DHC3	PC Assembly & Maintenance
4	8504	1DHC4	Basic Electronics & Peripherals

Course Details:

- **Fundamentals of Computer Hardware** – CPU, RAM, motherboard, storage devices, I/O devices.
 - **Operating System & Installation** – Windows/Linux installation, device drivers, partitioning.
 - **PC Assembly & Maintenance** – Assembling/disassembling PCs, BIOS setup, troubleshooting.
 - **Basic Electronics & Peripherals** – Power supply, SMPS, UPS, printers, scanners.
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Semester – II

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
1	8601	2DHC1	Networking Fundamentals
2	8602	2DHC2	Network Devices & Configuration

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
3	8603	2DHC3	Server Administration & Security
4	8604	2DHC4	Project / Lab Practical

Course Details:

- **Networking Fundamentals** – LAN, WAN, topologies, OSI model, TCP/IP addressing, cabling.
- **Network Devices & Configuration** – Routers, switches, hubs, configuration and testing.
- **Server Administration & Security** – Windows/Linux server basics, firewall, antivirus, user management.
- **Project / Lab Practical** – Hands-on project in hardware & networking setup and troubleshooting.