

Objectives and Course Content of Short Term Course

Operational Plan No.	CSE-27
Name of the Course	Repair and Maintenance of Computer, Peripheral & Network Devices.
Objectives of Course	<ul style="list-style-type: none"> • Hands on Installation of Cabinets, Motherboards, Memory Modules, CD drives, Hard disk • Hands on disassembling and assembling of laptops • Drivers Installation, Application Software Installation • Installation of Windows 7/8/10 and Linux followed with dual booting • Device and Disk Management - Configuring Software RAID • Share & Security Permissions, configuring Network, Sharing Files and Printers • Troubleshooting OS, Booting and Other Issues • UTP Cabling with Crimping and Punching tools in networking with exposure of OFC • Fault Diagnosis in network connectivity • Configuring of Access Point in WLAN with security • Working with Firewall, Internet Security, Remote Access Tools
Course Content	<ul style="list-style-type: none"> • To familiarization of Computer, Server, Laptop and Network Components like BIOS, Cache, Buses, Motherboards, Processors, • RAM, ROM, USB, Ports, Expansion Slots, Expansion Cards • To Assembling & Disassembling the PC • Internals of Laptops • Hardware Troubleshooting • Disk Storage • Emerging Trends for the Display Standards for TFT & Laptops • Switching Mode Power Supply (SMPS) • Networking Topology, Devices, Media, Connectors, Structured Cabling, LAN Cards and WLAN • Network Security and Firewall, Networking Monitoring Tools
Name of Course Coordinator with E-mail ID & Contact Number	<p>Dr. Ramakrishna C (Prof.& Head) Contact No 0172-2759670, Email id- rkc_97@nitttrehd.ac.in</p> <p>Dr. Rakesh Kumar Contact No. 0172-2759787, Email id- raakeshdhiman@gmail.com</p> <p>Er. Sidharatha Nanchahal Contact No. 0172-2759670, Email id- sidhu@nitttrehd.ac.in</p>