

# NIELIT Gorakhpur

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**Course Name: O Level (2nd Sem)**

**Subject: ITTNB**

**Topic: Utility software**

**Date: 23-03-20**

**Utility Software:**-Utility software, often referred as utility is a system software that is designed to help analyze, configure, optimize or maintain a computer and enhance the computer's performance. It is a program that performs a specific task, which is usually related to managing the system resources. Utilities are sometimes also installed as memory-resident programs.

Utility software usually focuses on how the computer infrastructure that includes computer hardware, application software, operating system and data storage programs operates. These utilities could range from the small and simple to the large and complex that can perform either a single task or a multiple tasks. Some of the functions performed by these utilities are data compression, disk defragmentation, data recovery, management of computer resources and files, system diagnosis, virus detection, and many more. Examples are disk defragmenters, System Profilers, Network Managers, Application Launchers, Antivirus software, Backup software, Disk repair, Disk Cleaners, Registry Cleaners, Disk Space analyzer, file manager, File Compression, Data Security and many more.

**Open Source Software:**-Open source software is released through a specific kind of license that makes its source code legally available to end-users. There are many such licenses, but typically software is considered open source if:

- It is available in source code form without additional cost, meaning users can view the code that comprises the software and make any kind of changes to it they want.
- The source code can be repurposed into other new software, meaning anyone can take the source code and distribute their own program from it.

## **Features of Open Source Software:-**

- Lesser hardware costs.
- High-quality software.
- Integrated management.
- Simple license management.
- Lower software costs.
- Abundant support.

## **Popular open-source software is:**

- Mozilla's Firefox web browser
- PHP scripting language
- Python programming language
- Apache HTTP web server

**Pirated Software** :-Software piracy is a term used to describe the act of illegally using, copying or distributing software without ownership or legal rights. The majority of software today is purchased as a single-user license, meaning that only one computer may have that software installed on it at one time. Copying that software to multiple computers or sharing it with your friend without multiple licenses is considered software piracy, which is illegal. A user who participates in software piracy is often referred to as a pirate or software pirate.

## **Danger of Using Pirated Software:**

- A big chance of hidden malware, adware, viruses and trojans. These might be so well hidden that we only find out when someone steals our personal information.
- No customer support or updates
- Updates fix security issues that might allow people to compromise our system.

## **Exercise:-**

- 1- Why utility software is important for our system?
- 2- Difference between open source and pirated softwares.