**Assignment**

**Module – 1**

**1. What is software? What is software engineering?**

=> Software is a collection of information, instruction and data. Software Engineering is a process of designing something that serves a specific purpose and find effective solution to the problem.

**2. Explain types of software**

=> There are 4 types of software :

I) System Software:

- System software is a program that helps to run computer’s hardware and applications.

- One of the best example of System software is Operating System.

- Example of O/S. Windows, Mac, Linux, Debian etc…

II) Application Software :

- Application Software used to handle specific tasks for users.

- There are 3 types of Application Software:

a) Desktop Application :

- Desktop Application is a program design to run on computers and use system resources to perform their function.

- For ex. Visual Studio Code, Notepad, PhotoShop etc…

b) Mobile Application :

- Mobile Application is a program design to run on Mobile, Tablets, and Smart Watches.

- For ex. Whatsapp, Instagram, Telegram etc…

c) Web application :

- Web application is application software that is accessed using a web browser.

- For ex. Google Chrome, Opera, Mozilla Firefox etc…

III) Programming Software :

- Programming software are helps to programmers to developing other software.

- For ex. Compiler, Interpreter etc…

IV) Driver Software :

- Driver is a program that enables communication between an operating system and a software application.

V) Middleware :

- Middleware software is used as one kind of mediator of system and application.

- It’s also used for a communicate between two different software.