**Assignment**

**MODULE: 1**

**SE-Overview of IT Industry**

Q-1. What is software? What is Software Engineering?

* **Software**
* Software is a collection of data, information and instruction.
* We can use it but we can’t touch it.
* It occupy space in memory.
* Ex:- Operating system(OS), file, folder.
* **Software Engineering**
* In Software engineering engineers apply engineering principles and knowledge.
* That deals with the design, development, testing and maintenance of software applications.

Q-2. Explain types of software.

* There are five types of software:
* **System software**
* System software means operating system.
* System software is software that provides a platform for other software.
* Ex:- Android, IOS, Windows, Linux, etc…
* **Application software**
* There are three types of application software:

1. **Desktop Application:**
   * Ex :- VS code, notepad, firefox, etc…
2. **Mobile Application:**
   * Ex :- Instagram, Snapchat, Natflix, etc…
3. **Web Application:**
   * Ex :- Web-browser

* **Programing software**
* A program that can be written in any programming language to perform specific task.
* Ex :-Compiler, Interpreter.
* **Driver software**
* It means they are handle of any types of software.
* Ex :- Bluetooth driver, Audio driver, BIOS driver, etc…
* **Middleware**
* Middleware is inter mediator of any two or more software.
* Ex :- database