**Module:1(SDLC)**

**Software Engineering Assigment**

1. **What is Software? What is Software Engineering?**

* **Software** is a set of instructions, data or programs used to operate computers, mobiles and other electronic devices and execute specific tasks.
* **Software engineering** is an engineering branch associated with development of software product using well-defined scientific principles, methods and procedures.

1. **Explain types of Software**

**There are five types of Software**

* **Application software – This is** the most common type of software.

application software is a computer software package that performs a specific function for a user, or in some cases, for another application.

* **System software.** These software programs are designed to run a computer's application programs and hardware. System software coordinates the activities and functions of the hardware and software.
* **Driver software.**Also known as device drivers, this software is often considered a type of system software. Device drivers control the devices and peripherals connected to a computer, enabling them to perform their specific tasks.
* **Middleware software.**The term middleware describes software that mediates between application and system software or between two different kinds of application software.
* **Programming software.** Computer programmers use programming software to write code. Programming software and programming tools enable developers to develop, write, test and debug other software programs.

1. **What is SDLC and Process?**

* Software Development Life Cycle is the full form of SDLC, which means how the software should be designed or What are the steps, that by following them we can make A High-Quality Software or Application .This is the chronological way of any High Quality software.

1. **What is DFD? Create a DFD diagram on Flipkart.**

* Data Flow Diagram is called as DFD in Software field.
* This shows on which way user uses an application or website.
* Here, there is a diagram for Flipkart website.

1. **What is flow Chart?**

* Flow chart shows that which steps to be followed by a programmer to do specific programming or perform a task.

1. **What is use case diagram?**

* A use case diagram is a way to summarize details of a system and the users within that system.

**Create a use-case diagram on bill payment on paytm**