**Software Engineering Assigment**

**Module:1(SDLC)**

**What is Software? What is Software Engineering?**

=> Software is a collection of codes, documents and triggers that does a fills a specific requirement.

=> Software Engineering is the development of products using best development, principles, and methods.

**Explain types of Software**

**1.Application Software** :- An application software is a computer program designed to carry out a specific task other than one relating to the operation of the computer itself, typically to be used by end-users.

**2.System software** :- System software is a type of computer program that is designed to run a computer’s hardware and application programs.

**3.Driver software**:- Driver software, or device driver, is a set of files that tells a piece of hardware how to function by communicating with a computer’s operating system.

**4.Middleware Software**:- Middleware is software that lies between an operating system and the applications running on it.

**5.Programming Software**:- Computer use programming software to write code.

**What is SDSL and Process?**

**SDSL(Software development Life Cycle):-** the SDSl refers to a methodology with clearly defined processes for creating high-quality software.

**Process:-**

**1.**requirments

**2.**analysis

**3.**designing

**4.**implementation

**5.**testing

**6.**maintenance

**What is DFD?**

**DFD** :-DFD stands for Data Flow Diagram, Which is a graphical representation of the flow of data in a system.

**Create a DFD diagram on Flipkart**

**user**

**Flipkart**

**Database**

**Internal Unser**

**Search and Browse**

**Add to Cart/Buy**

**Payment and Order**

**What is flow chart?**

**Flow Chart** :- A flow chart is a picture of the separate steps of a process in sequential order.

**Create a flowchart to make addition of two numbers**

**What is Use case Diagram**

**Use case diagram:-** use case diagrams describe the high-level functions and scope of a system. This diagrams also identify the interactions between the system and its actors.

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