**Software Testing Assignment**

**Module-1(Fundamental)**

**What is SDLC**

SDLC is a structure imposed on the development of a software product that defines the process for planning, implementation, testing, documentation, deployment and support.

A Software Development Life Cycle is essentially a series of steps or phase that provide a model for the development and lifecycle management of an application or piece of software.

**What is software testing?**

Software testing is a process used to identify the correctness , completeness and quality of developed computer software.

In simple words testing is executing a system in order to identify any gaps , errors or missing requirements in contrary to the actual desire or requirements.

Software testing is a process of executing a program or application with the intent of finding the software bugs.

**What is SRS?**

A software requirements specification (SRS) is a complete description of the behavior of the system to be developed.

In includes a set of use cases that describe all of the interactions that the users will have with the software.

This standard describes possible structures, desirable, contents and qualities of a software requirements specification.

There are three types of requirements

1. Customer Requirement
2. Functional Requirement
3. Non-functional Requirement

**What is OOPS?**

OOP stands for Object Oriented programming. The main purpose of OOPs is to deal with real world entity using programming language.

**Write Basic Concepts of oops**

**Concepts of oops :**

* Objects
* Class
* Encapsulation
* Inheritance
* Polymorphism

Overriding

Overloading

* Abstraction

**What is object**

Any entity which has own state and behavior.

[2] Class : Collection of objects (ex. Human body)

[3] Abstraction : Hiding internal details and showing functionalities.

(ex. Login page)

[4] Encapsulation : Wrapping up of data or binding of data.(ex. capsule)

[5] Inerhitance : When one object acquire all the properties and behavior of parent class. (ex. Father – son )

[6] Polymorphism : many ways to perform anything.

(1) Method overloading

(2)Method overriding