Software Engineering Assignment

MODULE: 1 (SDLC)

Q. What is software? What is software engineering?

A. The software can be best defined as a set of instructions, technically referred to as programs, that perform operations and specific tasks based on the commands of the user.

<u>Software engineering:</u> Software engineering is a detailed study of engineering to the design, development and maintenance of software

Q. Explain types of software

A. There are mainly 3 types of softwares:

1. System softwares: System software allows the user to run computer software or hardware and is responsible for managing their interaction with each other.

i.e. OS, Device drivers, Firmware, Utility, etc.

2. Application softwares: Application software or application programs are end-user programs that serve specific functionality to help users accomplish certain tasks

I.e. Database like MYSQL, MongoDB, etc., multimedia, web browsers, freeware like skype, zoom, whatsapp, open-source softwares, etc.

3. Programming softwares: Programs and software are created by coders using different software tools, known as programming software.

i.e. compiler, debugger, linkers, malware

Q. What is SDLC? Explain each phase of SDLC

A. SDLC stands for software development life cycle.

There are six phases:

1. Requirement – identify client requirements
2. Analysis – do your analysis
3. Designing – design using GD & WD (static)
4. Development (dynamic)
        BE: php, python, java, .net
        FE: react js, angular js
5. Testing
6. Maintenance

MODULE: 2 (HTML)

Q. Define the terms: Website, Webpage, Web browser, Web server, HTML, CSS

A. Website - A website is a collection of files accessed through a web address

Webpage - A webpage is a document written in HTML and can be viewed on any web browser.

Webserver - A web server is computer software and underlying hardware that accepts requests via HTTP or its secure variant HTTPS.

HTML – Hyper Text Markup Language

        -it decides the structure of a website.

CSS- Cascading Style Sheet

        -It decides how your website looks.