**GOPINATH S B**

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**

**SDLC (SOFTWARE DEVELOPMENT LIFE CYCLE)**

* **The sdlc is structured way of approach used in the software development to ensure the high-quality software is delivered.**
* **The sdlc helps to meet both the technical and user requirements.**
* **The sdlc is used by the software developer and team to design, develop and deploy quality software.**
* **The are some stages of the sdlc are there:**

1. **Requirements gathering and analysis.**
2. **design.**
3. **Development.**
4. **Testing.**
5. **Deployment.**
6. **Maintenace.**

* **These are the stages of the sdlc .**
* **The requirements gathering and analysis are the most important and first stages in the software development process.**
* **The requirements gathering is the process where all the requirements are gathered from the client and given to the developer. After getting the requirements, the analyze process will start.**
* **After analysis is done the design phase will start.**
* **It is the phase where we design the architecture of the system includes the database schemas, system workflows, and interfaces.**
* **It is the phase where the blueprint of the software is created, and it translates the user requirements to technical specification.**
* **The next phase is the development phase where it refers to the implementation (coding phase).**
* **During the development phase the developer also does the unit testing to find the error and rectify it.**
* **The next phase is the testing phase where the developed codes are gone under the testing to find whether any error occurs in the codes or not and then finally the closure documents are made at the end of the testing.**
* **Deployment is the phase where release the developed projects. The developed projects are run on the server and used by customers all over the world.**
* **Maintenace is the phase where the released project or code that are developed are undergone Maintenace at certain or specific regular period of time.**