

## **SDLC - SOFTWARE DEVELOPMENT LIFE CYCLE**

SDLC - Structured process that enables production of high quality, low cost software and in the shortest possible production time.

1. Requirement and planning: Planning for the quality assurance requirements and recognition of the risks involved.
2. Analysis: Project goals are converted into defined system functions that the organization intend to develop.
3. Design: Defines the overall system architecture.
4. Coding / implementation: Developers start build the entire system by writing code using the chosen programming language.
5. Testing and integration: Once the software is complete, it is deployed in the testing environment. The testing team starts testing the functionality of the entire system. This is done to verify that the entire application works according to the customer requirement. Once the testing phase is over and no bugs are left then the final deployment process starts.
6. Maintenance: Once the system is deployed, customer start using the entire application, following 2 activities will occur.
  - Bug fixing
  - Enhancement