

**NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR**

**Cachar, Assam**

**B.Tech. V<sup>th</sup> Sem**

**Subject Code:** CS-304

**Subject Name:** Software Engineering

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**Q.1. Provide three examples of software projects that would be amenable to the waterfall model.**

- ➔ Three examples of software projects amenable to the waterfall model are as follows:
1. **Web Applications:** Firstly a base application is developed and distributed to the users. After distributing, the additional features or functionalities can be implemented to that application as plug-ins or add-ons as per the costumer's demand or necessity.
  2. **Operating System:** An OS is not finalised at the very beginning. It is developed as per the requirements of the users, along with various updates and features on the way to satisfy the user's needs.
  3. **Graphical User Interface:** A GUI is created in accordance to customer's visions, needs and approval.

**Q.2. Explain importance of Design Phase.**

- ➔ One cannot imagine every aspect of the application in one go, neither can anyone think of a finalised design without working on it a bit. The purpose of the Design Phase is to study and implement the users', as well as developers' visions, needs and requirements in a detailed manner and design system accordingly. Once the developers have come to an agreement that the currently imagined designed not only works, but is feasible and can be implemented with as less of bugs as possible, the design is approved and the next phase, i.e. the Development Phase, is initiated.