**What is the Feasibility Study of the SDLC model & why is this important?**

**Feasibility Study has three types. They are:**

**Technical Feasibility: In this process, The technology we have decided to use whether it’s possible or not according to your time and budget.**

**Operational Feasibility: Operational feasibility means to analyze the requirements of the client from the software would be fulfilled or not.**

**Economic Feasibility: Economic feasibility is way more important that the other two feasibility. It analyzes how much profit will be remaining after making the software for the company. Also it analyzes how the client would be benefitted by the software.**

**2. Write 5 advantages of Agile methodology.**

**5 advantages of Agile methodology are given below:**

**a) Continuous improvement opportunity**

**b) Client Satisfaction**

**c) Reduction of risk**

**d) Continuous integration & continuous development**

**e) Can engage multiple team in development**

**3. Write short notes on SDLC model phase.**

The phases of SDLC model are mentioned below:

**a) Planning and Analysis:**

Planning and analysis is one of the most fundamental process of software development lifecycle. Here, the senior members of the team connects with the clients and mark the requirements from the customer. Then they analyze those requirements to build the project. If they plan and analyze properly then there will be least possibility of risk in the project.

**b) System Analyst:**

Once the requirements are analyzed done then the next step is to define and document the project from the customer or the system analyst.

**c) System Design:**

A design approach clearly defines all the architectural modules of the product along with its communication and data flow representation with the external and third party modules.

**d) Deployment & Maintenance:**

Once the product is tested and ready to be deployed it is released formally in the appropriate market. Sometimes product deployment happens in stages as per the business strategy of that organization. The product may first be released in a limited segment and tested in the real business environment.

**e) Testing:**

Testing is very crucial for application for fixing the bug. If a software is tested properly then there is less maintenance required for a long time. There is another team in a company for testing software.

**f) Updates**

Updating is very important for the software according to the client requirement. Because by the time customers need and their taste changes. If we do not update the software, it becomes backdated. So, to make it comfortable for the use, we need to update the software time to time.