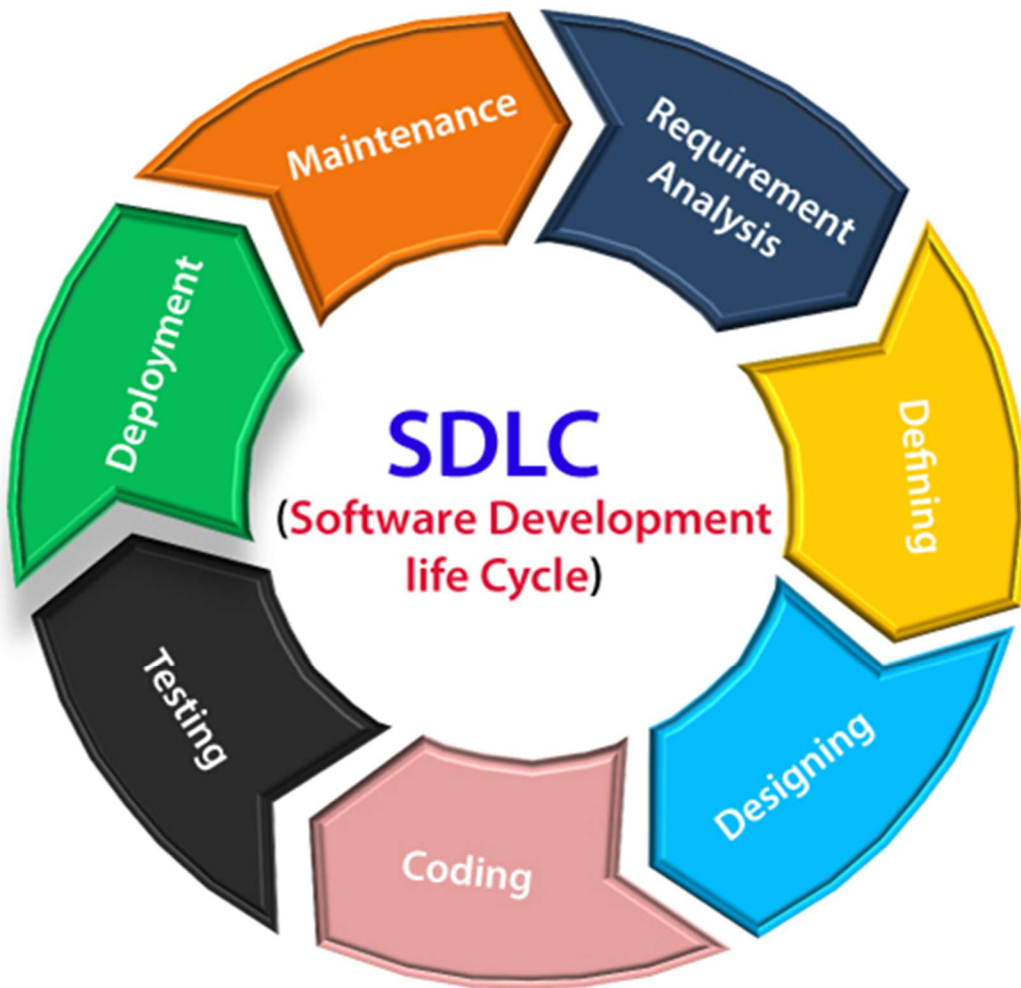


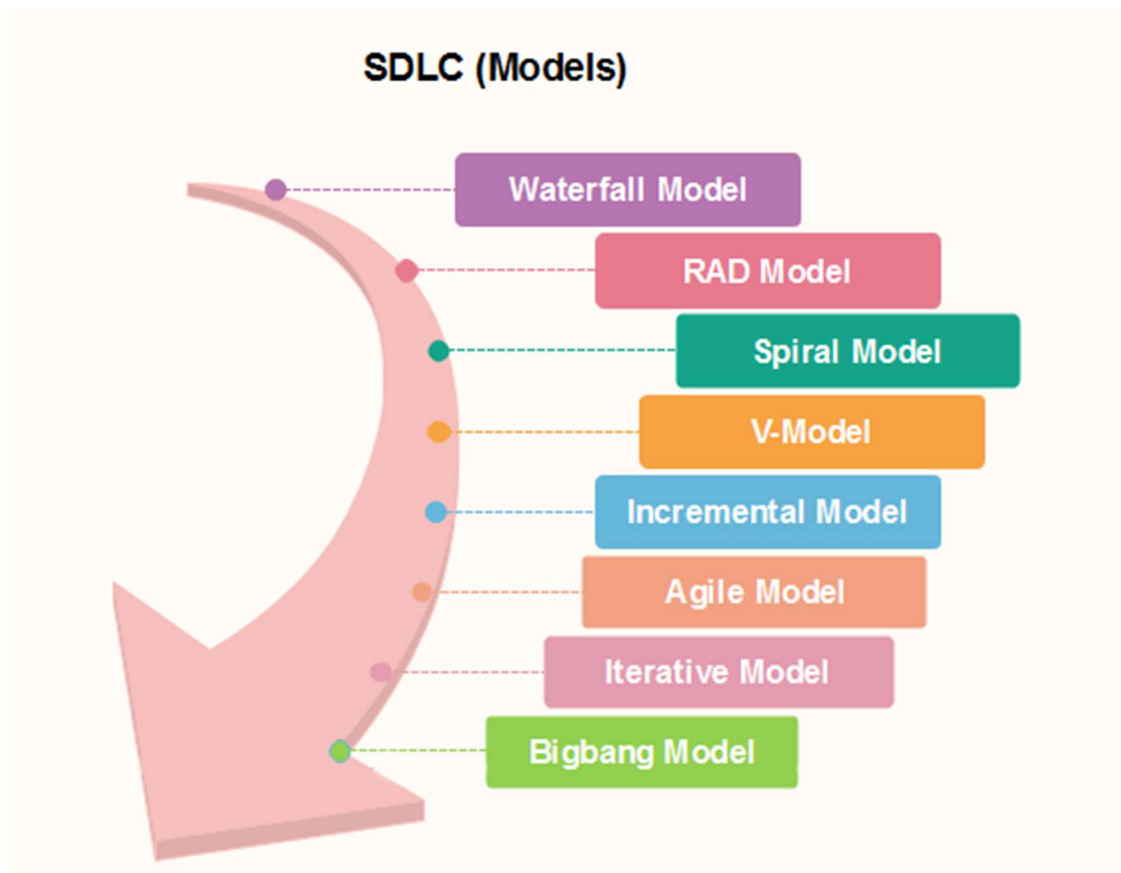
SDLC

- It is a theoretical model where we used in project management that defines the stages include in a project from an initial study of the project to the maintenance of completed application.

Why it is important?

- SDLC is important because it breaks down the life cycle of software development , which helps us to easily evaluate each part of software development and makes a climate for the programmers to work concurrently on each phase.
- Without software life cycle models it is difficult to track the progress of the project by the project manager.





Requirement analysis:

Team Senior members perform requirement analysis by taking the inputs from all the stakeholders and domain experts or SMEs of the industry. Project organizers take inputs from the customers about their requirements and the main objective of the product . using that analysis the quality assurance and risk prediction and analysis is done in this phase.

Defining requirements:

The estimation of what we required as a requirement to accomplish a project needs to get an approval by the project stakeholders. We use SRS (Software requirement specification) document as draft for the approval.

Designing the software:

Gathers (inputs from the customer + requirement if it is approved) & create a plan to develop the project.

Developing the project:

Actual development begins and programming starts. Implements the design by writing the code abiding by the coding guidelines described by the management utilizing the sources and resources that they are approved to and implement the code.

Testing:

After the code is generated, we check that the product is solving the needs addressed during the requirement analysis stage. Unit testing, integrated testing, acceptance testing done during this stage.

Maintenance:

After performing acceptance testing, and after launching the product the new issues will be arised according to the customer and user expectation. And those issues need to be addressed time to time. If this procedure of resolving occurs for finished product it is called maintenance.

How agile is different from other software development models?

- Works in continuous cycles where as models such as waterfall model works as sequential
- Comparatively small model and high functioning , no need for in depth documentation like waterfall model.
- Key feature is continuous evolution of the project.
- Customer priority .
- As this is continuous and small iteration cycles the flexibility will be more compared to the models like V model.
- The iteration cycles are shortened to 2 to 4 weeks in agile compared to 6 months to 2 years in spiral model.