BAISC COVERAGE

**TEAM PROCESS:**

Team process means to enhance the communication and participation unit-based teams unit-based teams use processes that are designed to encourage teamwork, like outcome-oriented meetings and frequent huddles. Teams also regularly analyse data to make sure their improvement efforts are on track.

**Advantages**

The is designed to begin the team building process, and during this time **teams** and managers establish goals, define team roles, assess risks, estimate effort, allocate tasks, and produce a team plan.

**TEAM STRUCTURE:**

Business analyst: A business analyst (BA) is someone who analyzes an organization or business domain (real or hypothetical) and documents its business or processes or systems, assessing the business model or its integration with technology.

Team Lead: A team leader is someone who provides direction, instructions and guidance to a group of individuals, who can also be known as a team, for the purpose of achieving a certain goal. Team leaders serve various roles in an organization.

Architect: A project architect coordinates the many parts of a project; they are in charge of product design, development of plans, construction documents, and consultation with other experts about the job being completed. The duties of a project architect depend greatly on the size of the project assigned to them.

Developers: They will help to develop a particular software and implemented to reality with the help of the any one programing language.

Q/A(Quality Assurance) :They are the responsible for the checking of code which is given by the developers and they will also give assurance of the particular code according to the industry standard if the code is matched or not is verified if errors are identified then it will given to the code developers.

**SOFTWARE DEVELOPMENT METHODOLOGY:**

**WATERFALL METHODOLOGY**: The Waterfall Model was the first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model.The Waterfall model is the earliest SDLC approach that was used for software development. The waterfall Model illustrates the software development process in a linear sequential flow.

Advantages:

The model is simple to use and understand.

Easy to manage due to rigidity of the model.

Disadvantages:

* Once an application is in the testing stage, it is very difficult to go back and change something that was not well-thought out in the concept stage.
* No working software is produced until late during the life cycle.
* High amounts of risk and uncertainty.

**ITERATION METHODOLOGY:**

An iterative method is a mathematical procedure that uses an initial guess to generate a sequence of improving approximate solutions for a class of problems, in which the approximation is derived from the previous ones.

Advantages:

It is easy to implement easy to produce the accurate software is due to n- number of iterations.

Disadvantages:

It will take more time and resources are inactive of work because it will take more time to complete even a smaller module.

**AGILE METODOLOGY**: Agile Software Development is an umbrella term for a set of methods and practices based on the values and principles expressed . Solutions evolve through collaboration between self-organizing, cross-functional teams utilizing the appropriate practices for their context.

Advantages:

* High product quality.
* High customer satisfaction
* Increased project control
* Reduce risks
* Faster return on investment

Disadvantages: In case of some software  deliverables, especially the large ones, it is difficult to assess the effort required at the beginning of the software development life cycle. There is lack of emphasis on necessary designing and documentation.

CMP (common minimum process):

The common minimum process is the minimum requirement for a person to asses them daily and it is used to notify that how the person is involving the particular project or in an organization.

DOD (Definition Of Done):

This DoD is act as a checklist to verify whether all the necessary valued added activities where completed.

Daily routine: It is basic process where the activities are involved in the daily manner.

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