Project Process Model

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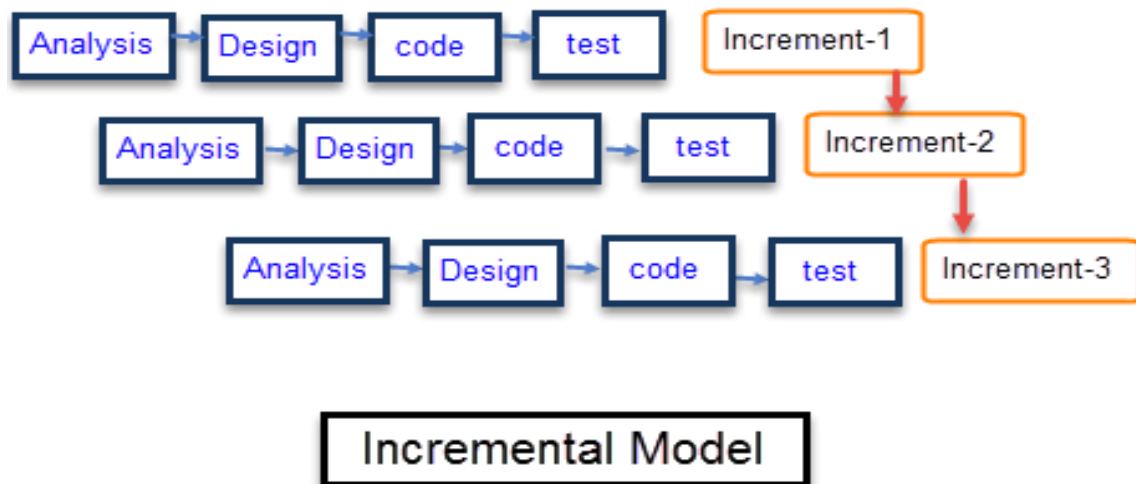
Division : 1

Batch : T5

Topic : CollabPro - Collaborative Code Editor

Incremental Model

- Incremental Model is a process of software development where requirements are broken down into multiple standalone modules of software development cycle.
- Incremental development is done in steps from analysis design, implementation, testing/verification, maintenance.
- Stages in Incremental Model –
    - Requirement Analysis
    - Design
    - Code
    - Test
- Requirement Analysis: Requirement and specification of the software are collected
- Design: Designing the functionalities of the project
- Code: Coding all the components of the project
- Test: Testing the software and its components.

Incremental Model

Why Incremental Model?

- A working model of the project is available at a very early stage of the development process.
- This helps to detect errors and flaws in design of the project.
- Each increment adds more features to the existing release.
- Testing and debugging is easy.
- Parallel development can be planned

➢ Our project has components that can be developed in parallel and then can be integrated with the existing release.

➢ Requirements of the project are clearly defined and understood

Incremental Model for CollabPro

Release 1 (Increment 1)

Basic Website for the app	Minimal Code Editor

Release 2 (Increment 2)

Real-time Collaboration in the Code Editor	Chat-section

Release 3 (Increment 3)

Advance features for the Code Editor	OAuth based Login Authentication & Authorization and additional features