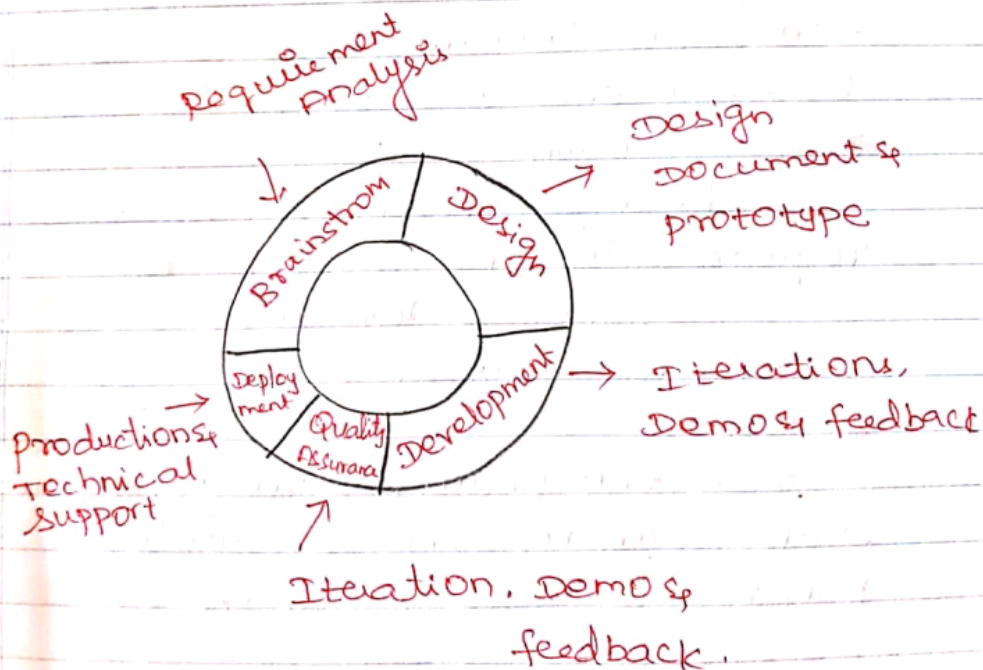# Agile process

- It is the software development approach based on the iterative development.
- This methods break tasks into smaller iterations.
- The entire project into smaller parts help to minimize the project risk and to reduce overall project delivery time requirements.

phases of Agile

1. Requirement gathering
2. Design the requirement
3. Construction
4. Testing / Quality Assurance
5. Deployment
6. Feedback

Requirements gathering

- In this phase, we must define the requirements.
- Should explain the business opportunities and plan the time & effort needed to build the project.

Design the Requirement

When we have identified the project, we can use the user flow diagram or UML diagram to show the work of new features

3. construction

- When the team defines the requirements, the work begins.
- Designer & developer start working on their project,

4. Testing

- In this phase, Quality Assurance team examines the products performance & looks for the bug.

5. Deployment

In this phase, the team issues

a product for the user's work environment.

6. Feedback

- After releasing the product, the last step is feedback.
- In this the team receives feedback about the product and works through the feedback.

Agile testing Methods

- Scrum

Agile testing Methods
- Scrum
- Crystal
- Dynamic s/w Development Method
- Feature Driven Development.
- Lean s/w development.
- Extreme programming.

Advantages
1. Frequent Delivery
2. Face to face communication with clients.
3. Anytime changes are acceptable.

4. It reduces total development time.

Disadvantages
1. Due to lack of proper documentation, once the project completes & the developers alloted to another project, maintenance of finished project can become a difficulty.

When to use Agile Model
1. When frequent changes are required.
2. When a highly qualified & experienced team is available.
3. When a customer is ready to have a meeting with a s/w team all the time.
4. When project size is small.