RAD: Rapid Application Development

RAD: Rapid Application Development

RAD: Rapid Application Development

- RAD (Rapid Application Development) Model is a sequential software development process model that works like an incremental or waterfall model.
- The use of the RAD model is mostly used there to understand the requirement or it is used in making small projects.
- If the requirements that you have are well understood by you and are not changing with time.
- So you can use this model.
- And the project can be developed very easily on time.

RAD: Rapid Application Development

- RAD (Rapid Application Development) Model is a process by which the project is developed fast and the quality of the project is good.
- Very few errors have to be faced in this model.
- By using the RAD (Rapid Application Development) model, it helps to develop the project on time, but before starting the project,
- you should have all the requirements and the requirements should not change.

RAD: Rapid Application Development

- **Within this model, we can easily reuse all the components, code, tools, and processes of the project.**
- **And the "Automated Code Generate Tool" is not used inside it.**

RAD: PHASE

RAD (Rapid Application Development) Model five phase

- **Business Modeling:**
- **Data Modeling:**
- **Process Modeling**
- **Application Generation**
- **Testing and Turnover**

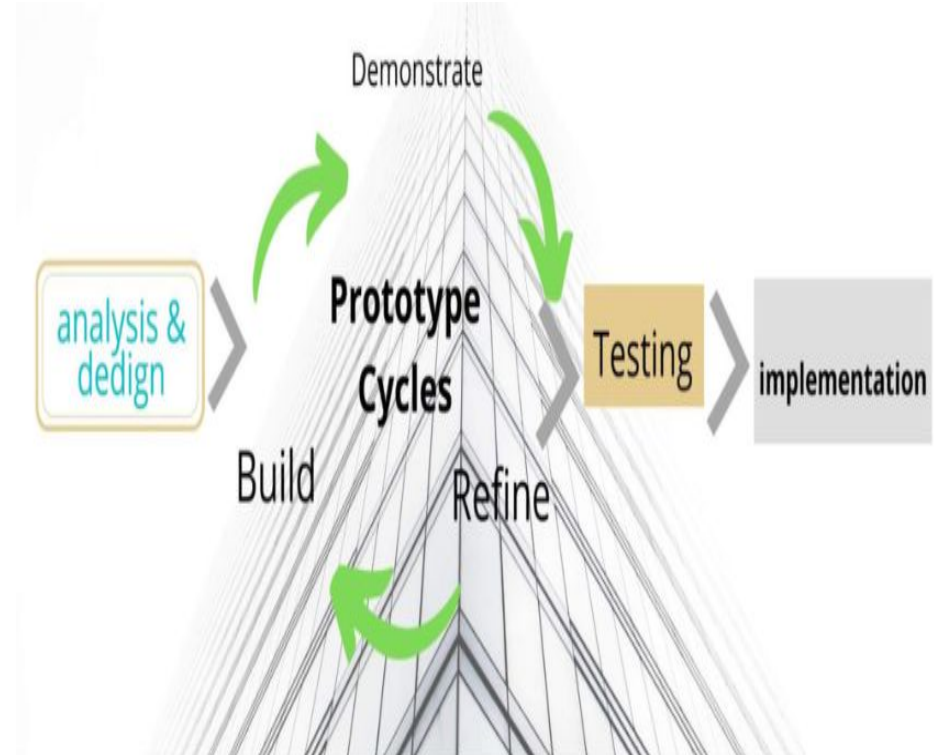# RAD: Rapid Application Development

1.Business Modeling:-

- **In order to prepare the business model inside Business Modeling, the business model is prepared on the basis of information through many business processes.**
- **In which some business functions are defined by sharing information.**
- **Before starting the development process of any project, all the business functions of that project are properly analyzed.**
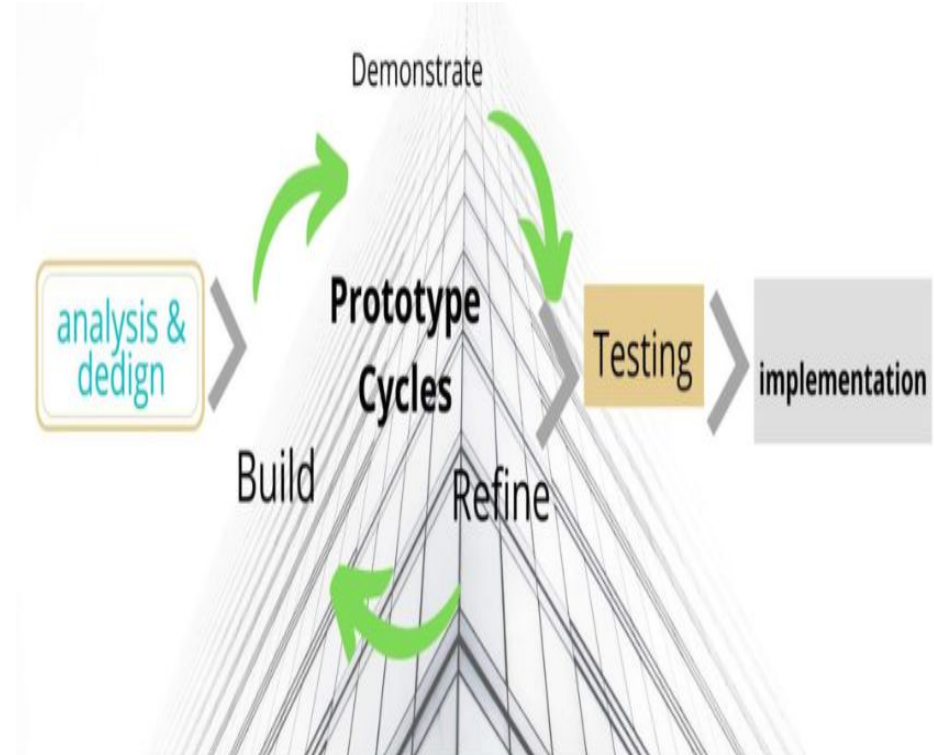
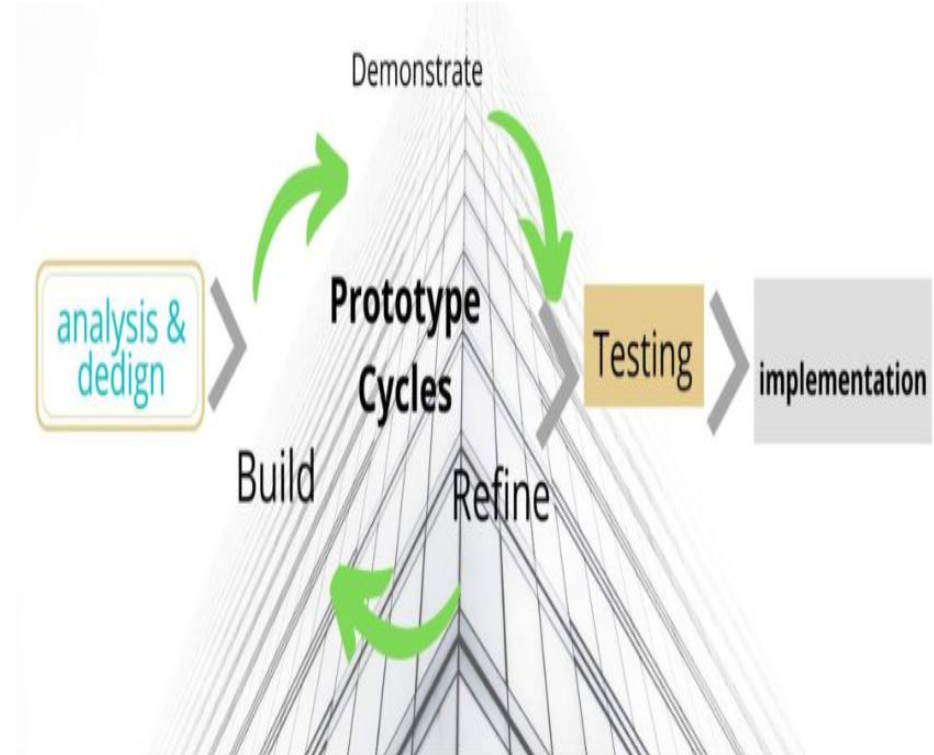# RAD: Rapid Application Development

2. Data Modeling:-

- **Within Data Modeling, the data object of the data collected by business modeling is defined in a set.**
- **Whatever information has been collected.**
- **From that information, it is very important to support the business.**

RAD: Rapid Application Development

3:- Process Modeling:-

- **The data object information that was defined within the data modeling phase.**
- **By transforming all that information, business goals are accomplished through the business model.**
- **Within this phase, there is a complete process of adding the data object, analyzing it properly, deleting or getting the data again.**

RAD: Rapid Application Development

4:- Application Generation:-

- **It is known from the name itself that it is done inside it.**
- **Within this phase the coding of the application or software project is done.**
- **Based on the business model.**
- **Also, coding is done to create software or applications through "Automated Code Generate Tool".**
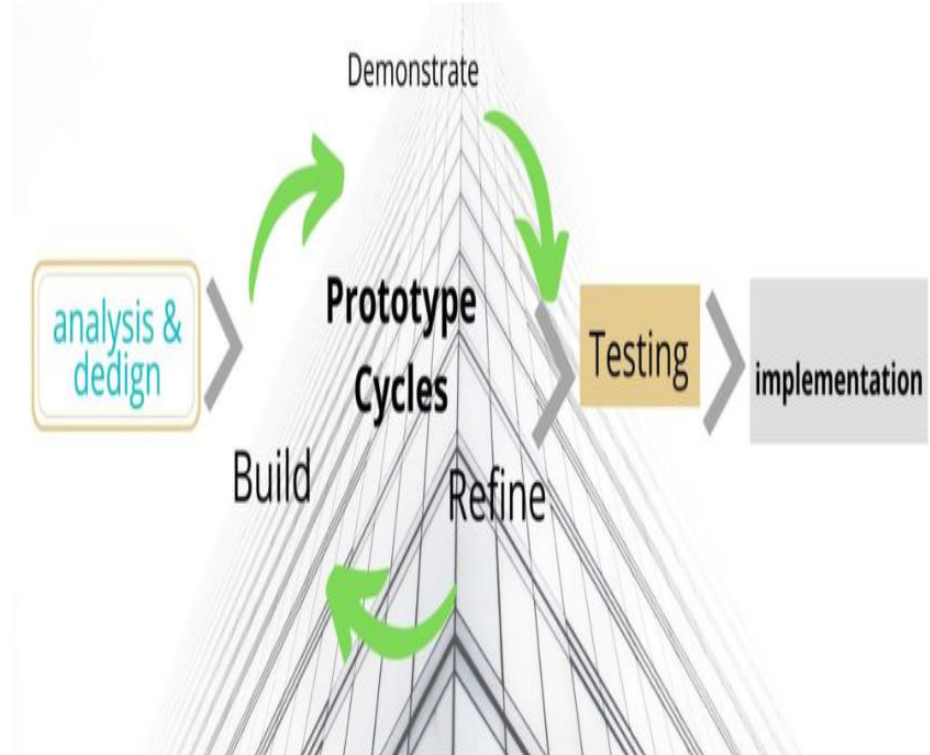
RAD: Rapid Application Development

5:- Testing and Turnover:-

- **All interfaces and components are tested within the testing and turnover phase.**
- **Some programming components are already tested.**
- **Also new components and interfaces are tested because each prototype is tested separately in it.**
- **By which the testing time in the RAD (Rapid Application Development) model is reduced.**
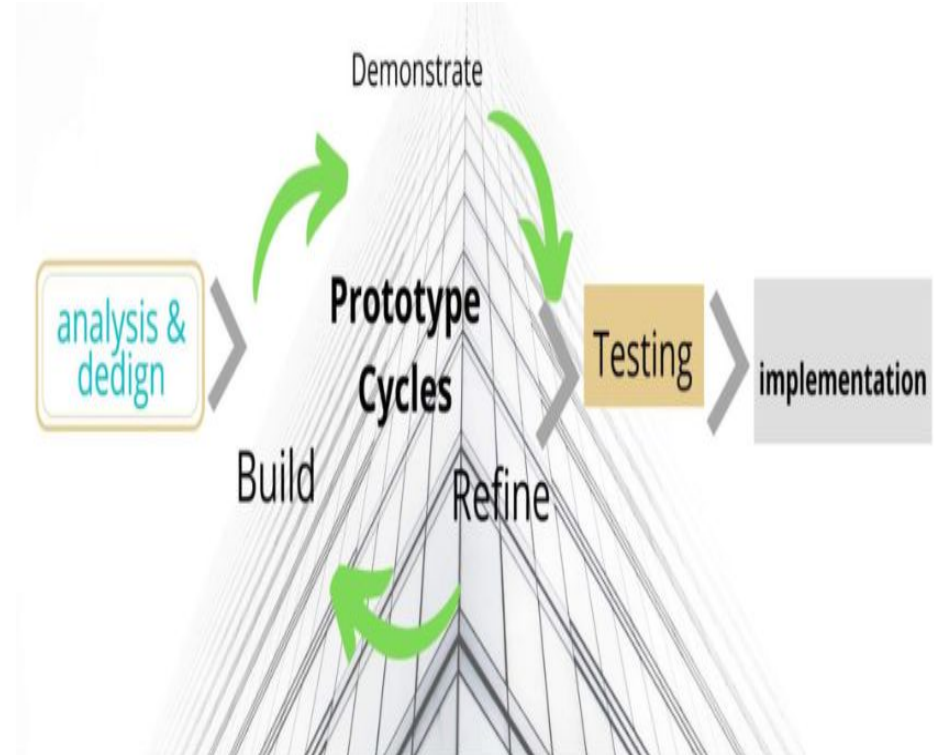
When to use RAD Model

When to use RAD Model

- This model should be used when the project needs to be built in less time.

- When you know and analyze all the requirements well.

- It should be used when the technical risk is very less.

- This model should be used when the project needs to be developed in 2-3 months.

RAD Model: Advantage & Disadvantage

RAD Model: Advantage

- Using this model, the project is developed in a flexible way and easily. Changes also happen easily.

- In this we can generate automated code very easily.

- Through this model, the time in development in the project is greatly reduced.

- Changes that are within the RAD model are accepted.

- The most important thing about this model is that the components are easily reused in it.

- The RAD (Rapid Application Development) model provides the highest functionality for the customer in each one.

- This model reduces the time of project development to a great extent.

- Errors are seen a lot while developing in this model because it works on the model prototype.

- These models are very cost effective.

RAD Model: Disadvantage

- Highly required skilled designers are needed to utilize the work and management in this model.

- These models are not suitable for all projects. Meaning do not use on small projects.

- If you are using this model for development, then you need to talk to the customer after every phase and it is also necessary to take his feedback.