

# SOFTWARE ENGINEERING

CSE 470 – V Model

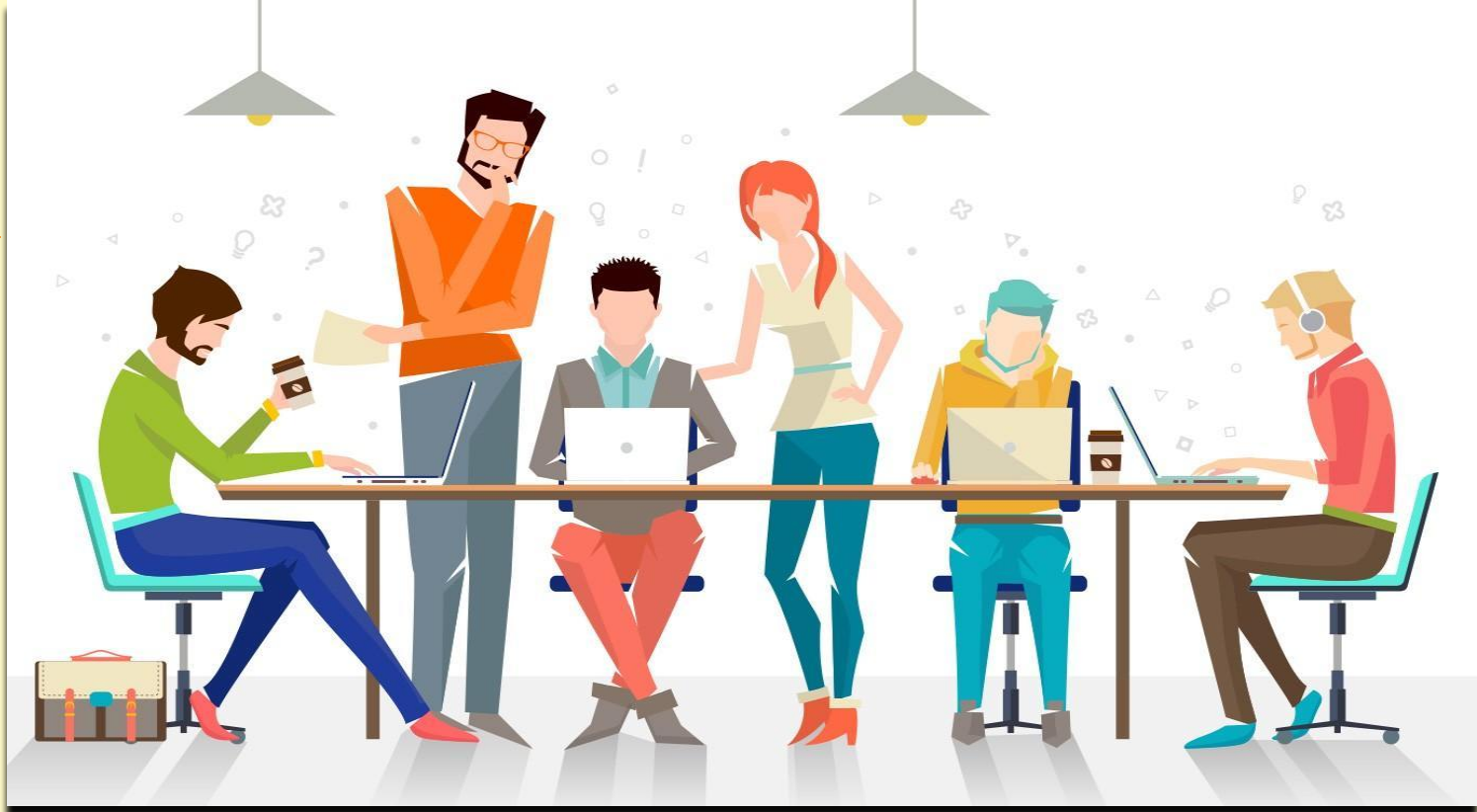
BRAC University



Inspiring Excellence



Team Lead



Customer asked to emphasize on proper testing of the accounting software.....!!!

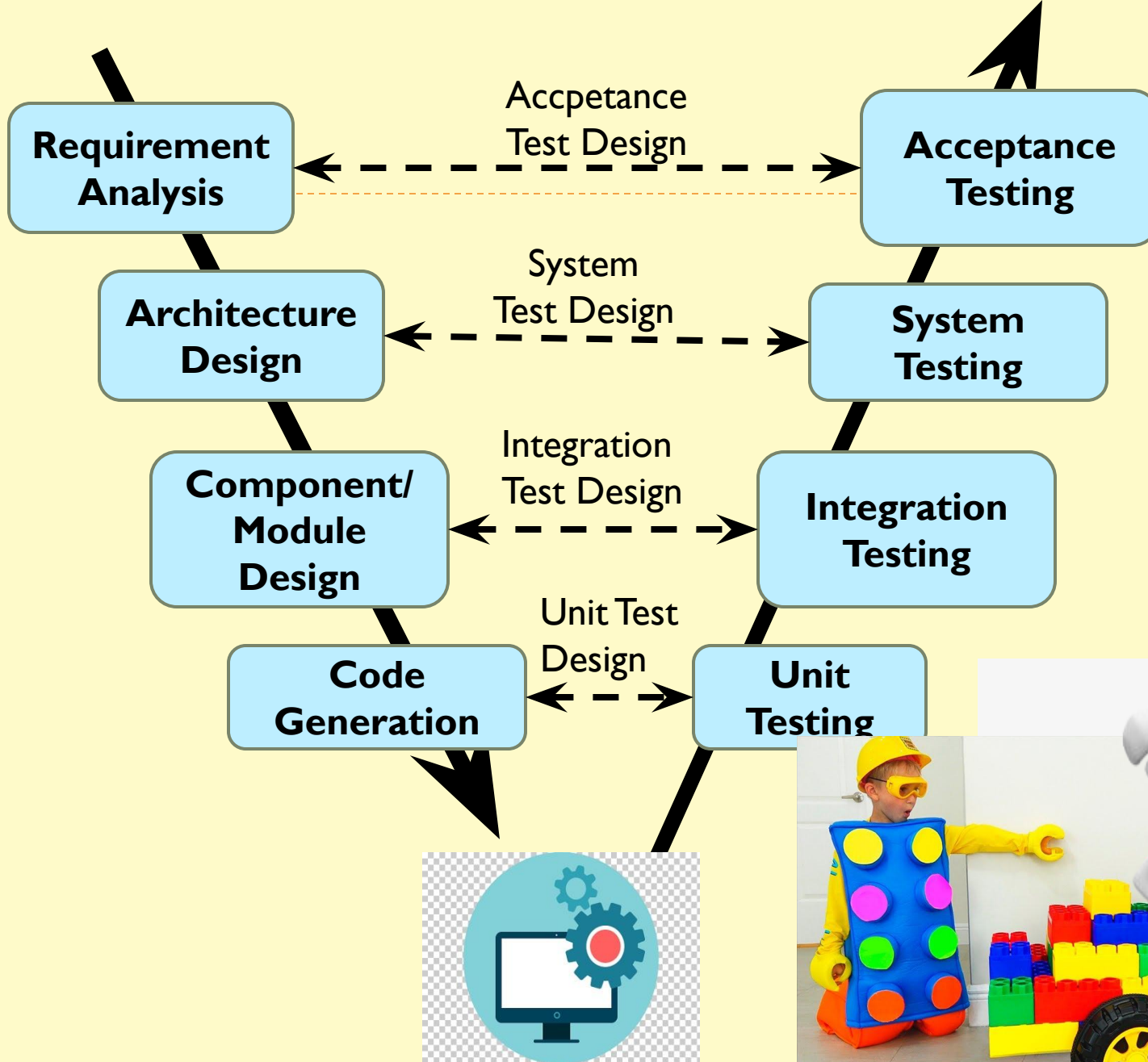
Requirement is Rigid.





# V-Model

Its another sequential software development process model. Its also known as an extension of waterfall model, due to providing earlier and detailed software testing.

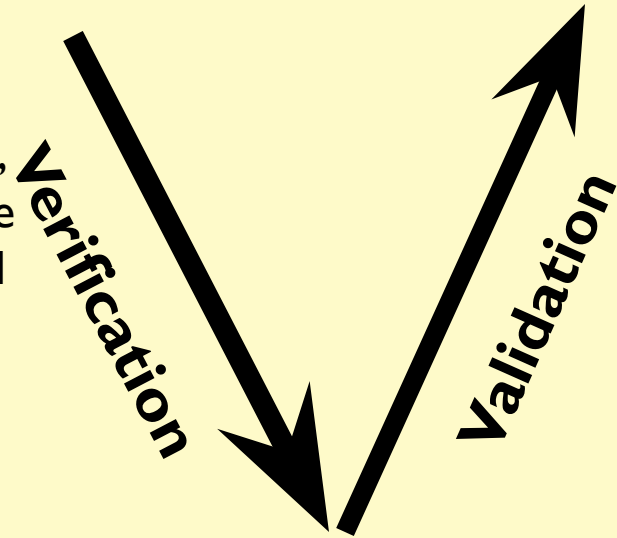


# Verification and Validation

---

Suppose, you have received a request for developing a android app. In this regard, you meet the customers, collected requirements, documented the requirements, created designs to built it and finally coded it as per the design. That means you are trying to follow all standard ways to develop the app rightly.

***Building the product in the right way is called “Verification”.***



After completion of the app coding, we sent it to testing phase. Various tests are performed to ensure whether the app meets the customer requirements. That is you try to check whether the right app is developed.

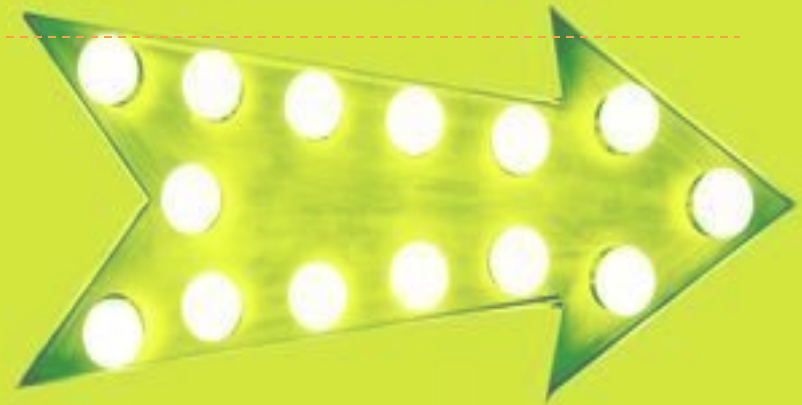
***Building the right product is called “Validation”.***



# CONS



# PROS



dreamstime

1. Changes are not welcomed
2. Software developed at end of all phases, so no dummy prototypes can be found
3. If any test fails, then test document and code both needs to be updated

1. Along with waterfall advantages, it emphasizes planning for verification and validation (V&V) of the product from the very beginning of requirement collection.
2. Test activities planned before testing
3. Saves time over waterfall, higher chance of success



