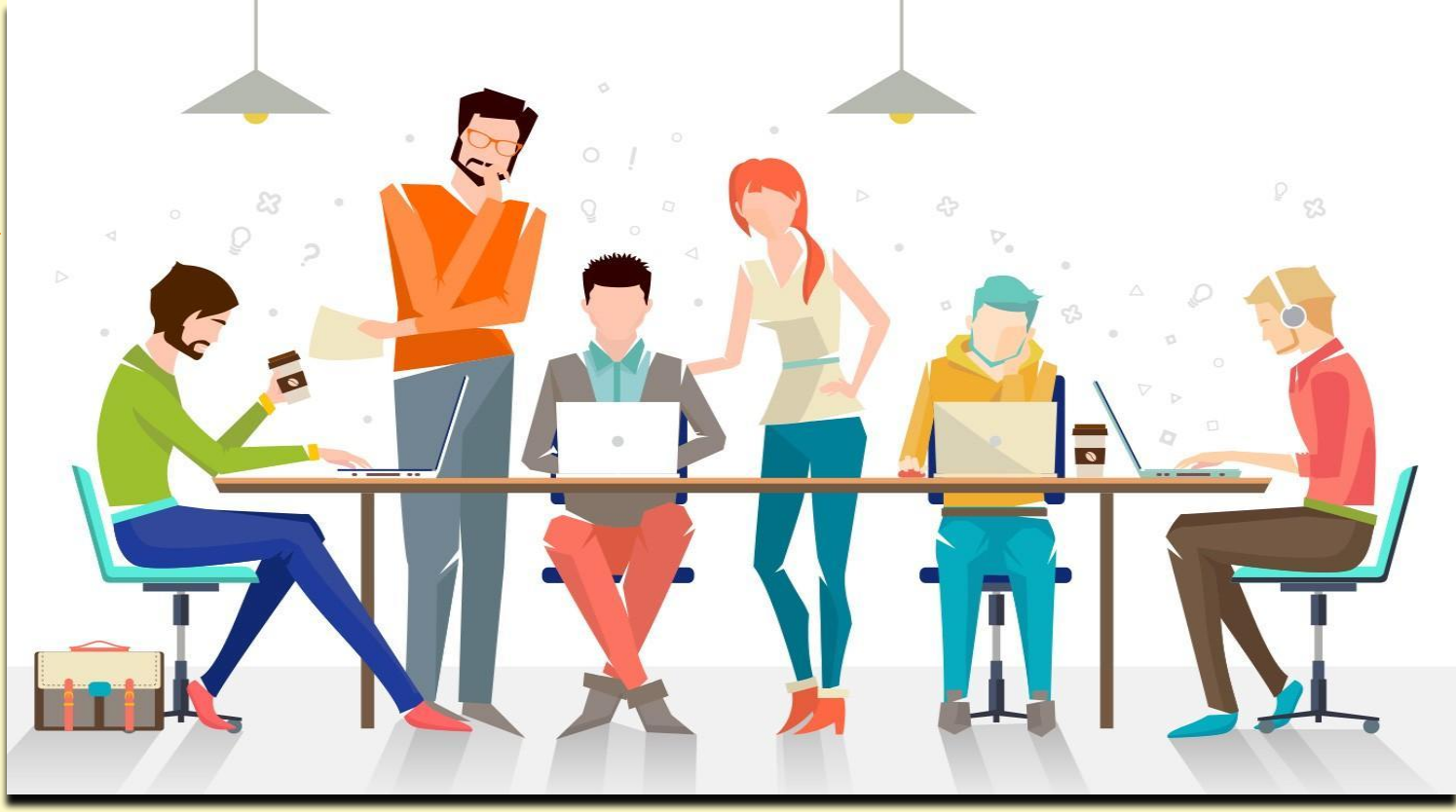
CSE 470 – V Model

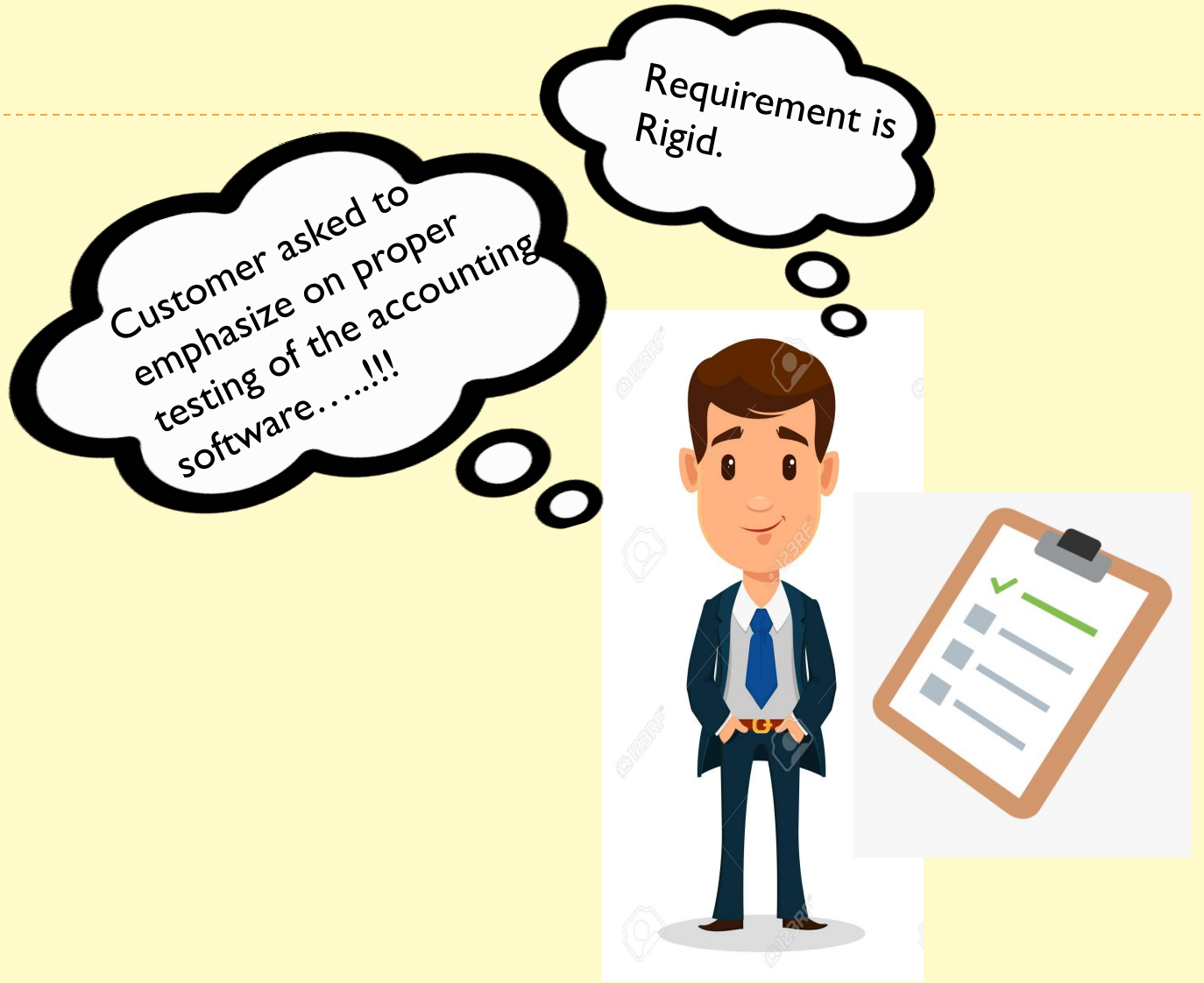
BRAC University

BRAC UNIVERSITY
Inspiring Excellence



Team Lead

BRAC UNIVERSITY
Inspiring Excellence

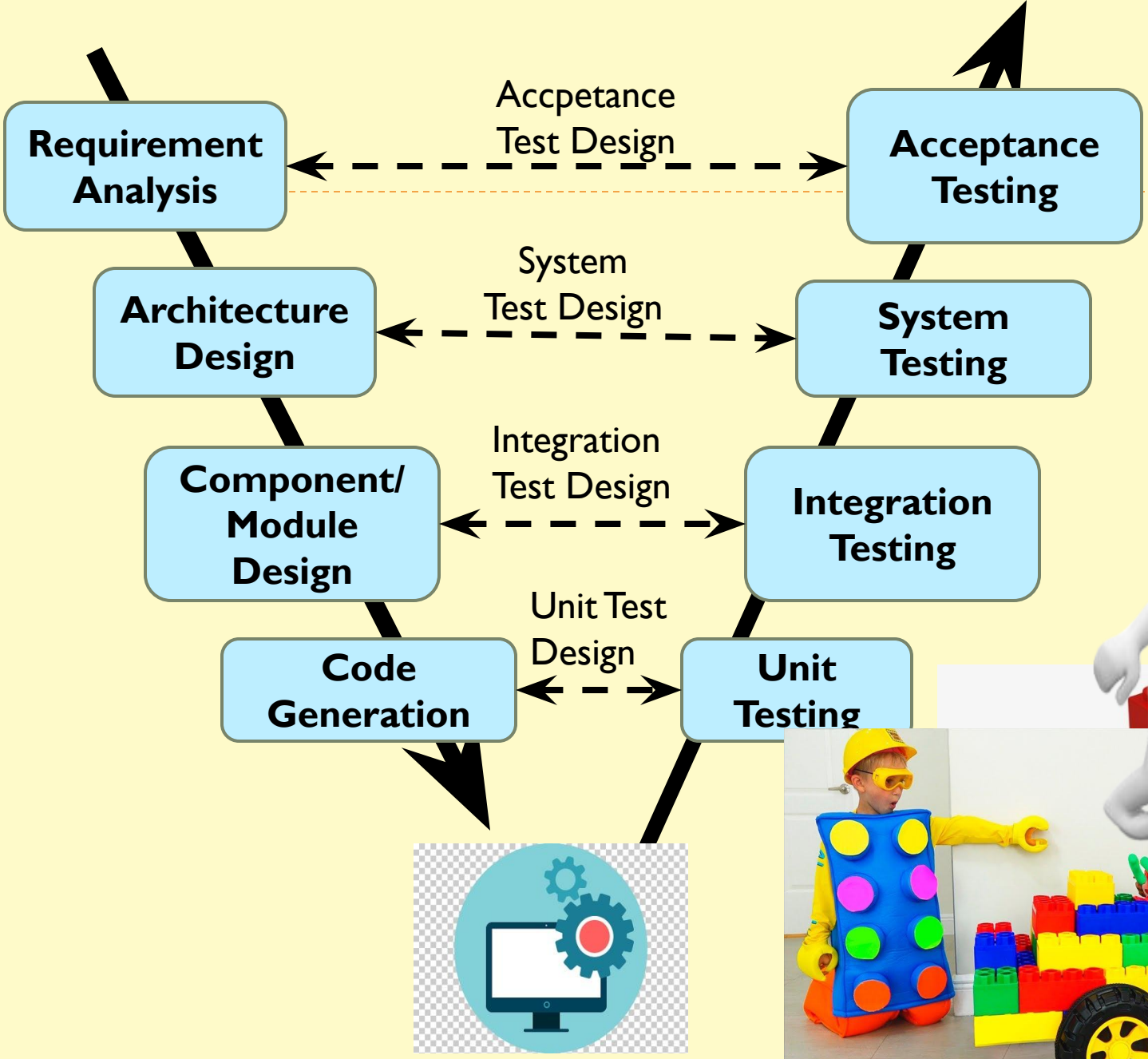


BRAC UNIVERSITY
Inspiring Excellence

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.

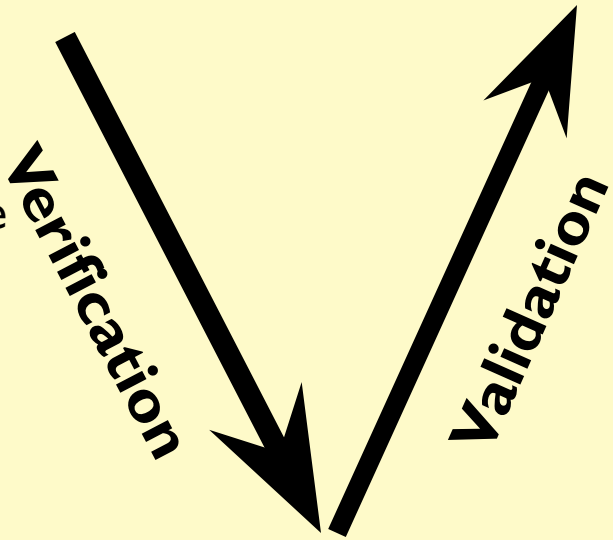
VectorStock®
VectorStock.com/
BRAC UNIVERSITY
Inspiring Excellence


Requirement Analysis
Accpetance Test Design
Acceptance Testing
Architecture Design
System Test Design
System Testing
Component/ Module Design
Integration Test Design
Integration Testing
Code Generation
Unit Test Design
Unit 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".

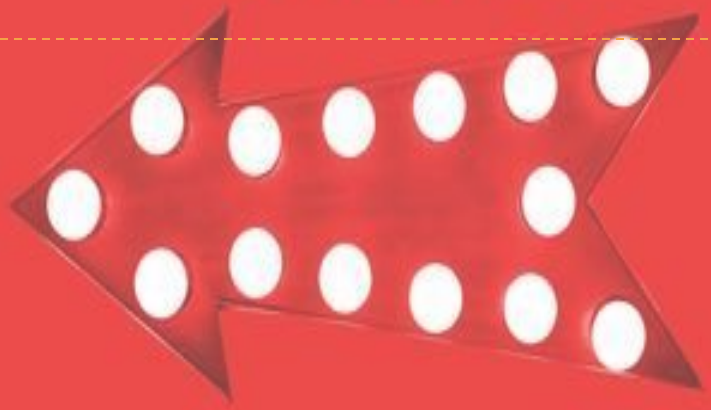


After completion of the app coding, we sent it to testing phase. Various tests are performed to ensure whether the app meets the customer requirements. That is you try to check whether the right app is developed.

Building the right product is called "Validation".

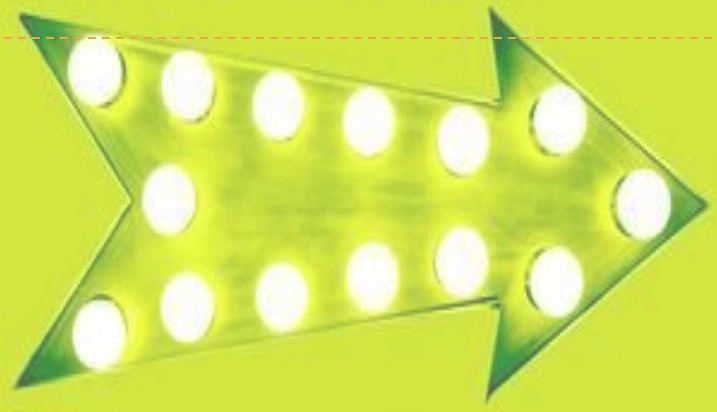
BRAC UNIVERSITY
Inspiring Excellence

CONS



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

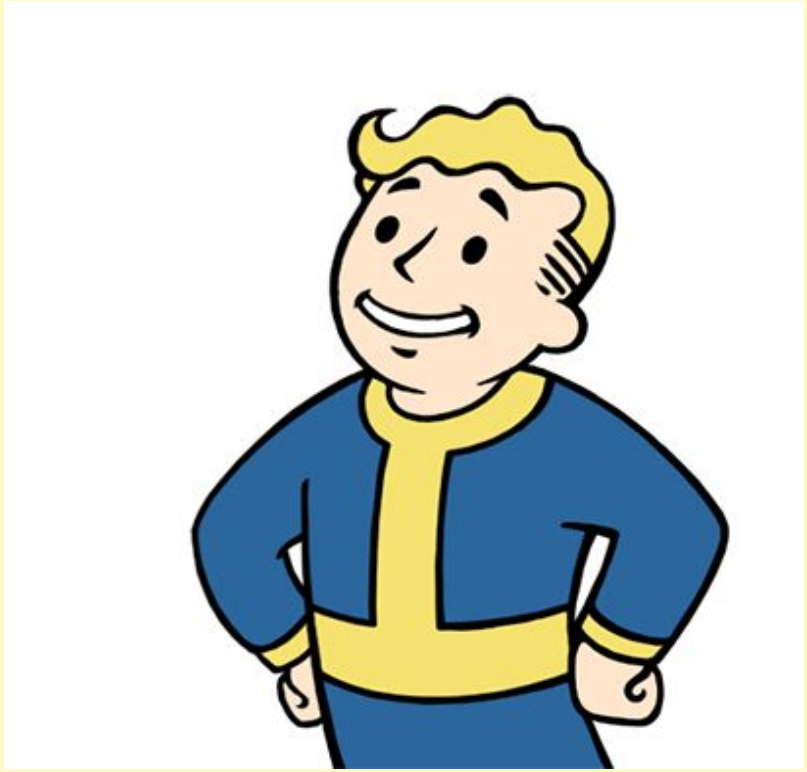
PROS



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

dreamstime

BRAC UNIVERSITY
Inspiring Excellence



BRAC UNIVERSITY
Inspiring Excellence