**LEVEL OF TESTING**

1. Unit

2. Integration

3. System

4. Acceptance.

**I.Unit testing**

Unit testing is the first level of testing usually perform by the developers.

Incase of unit testing our module or component is tested in isolation.

So basically the developer will write the test script that will check the particular method of the application.

**II. Integration testing**

Integration testing is the second level of testing it aim that finding inter facing issue between the different module of the application.

It can be perform using both ‘white box testing’ and ‘black box testing’ technique

It has four type

1.Big-bang 2.Top-down 3.Bottom up 4.Hybrid

**Big-bang integration**:

All the modules are first required to be completed and then integrated.

After integration testing is carried out on the integrated unit as a whole.

**Top-down integration**:

The testing flow starts from top-level modules towards the lower-level modules.

**Bottom up integration:**

It is also based on incremental approach but it start from lower-level moving upwards to the higher-level module.

**Hybrid integration:**

It is also called sandwich integration approach this approach is a combination of both top-down and bottom up integration.

**III. System testing**

It is the third level of testing the complete integrated application is tested as a hole, its aim is to checking that the application satisfy the business requirements.

**IV. Acceptance testing**:

It is the final and one of the most important level of testing since only after the successful completion of testing the application is least of production

it is usually carried out by the client and its aim is ensure that the product needs the specified requirements within the required standard of quality

Two kind of Acceptance testing:

1.alpha testing – testing or verifying the product

2.beta testing – checking in customer’s place