**Defect/ bug :**

bug arises when the expected result don't match with the actual results. It can also be error, flaw, failure, or fault in a computer program.

**Different categories of Defect/ bug :**

The developer in some arithmetic expression or mistake in finding solution of such arithmetic expression.

**Arithmetic Defects**

The defects are mistakes done regarding the implementation of the code.

**Logical Defects**

defects means mistake in the writing style of the code.

**Syntax Defects**

running or executing the multiple tasks at the same time.

**Multithreading Defects:**

defects in the interaction of the software and the users.

**Interface Defects**

The defects when the system or the software application is unable to meet the desired and the expected result

**Performance Defects**

The errors identified in case the behavior of software is not compliant with the functional requirements.

**Functional defects**

usability evaluation methods or indirectly during system testing or usage.

**Usability defects**

Testing the application in a same environment but having different versions.

**Compatibility defects**

a software bug that can be exploited to gain unauthorized access or privileges on a computer system.

**Security defects**

Facing basic logic bugs or calculation errors are considered unit-level bugs.

**Unit Level Bugs**

Among the commonest software bug types and do not allow the application to be compiled appropriately.

**Syntax Errors**