

SNS COLLEGE OF TECHNOLOGY

Kurumbapalayam (Po), Coimbatore – 641 035

An Autonomous Institution

Accredited by NAAC – UGC with ‘A++’ Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

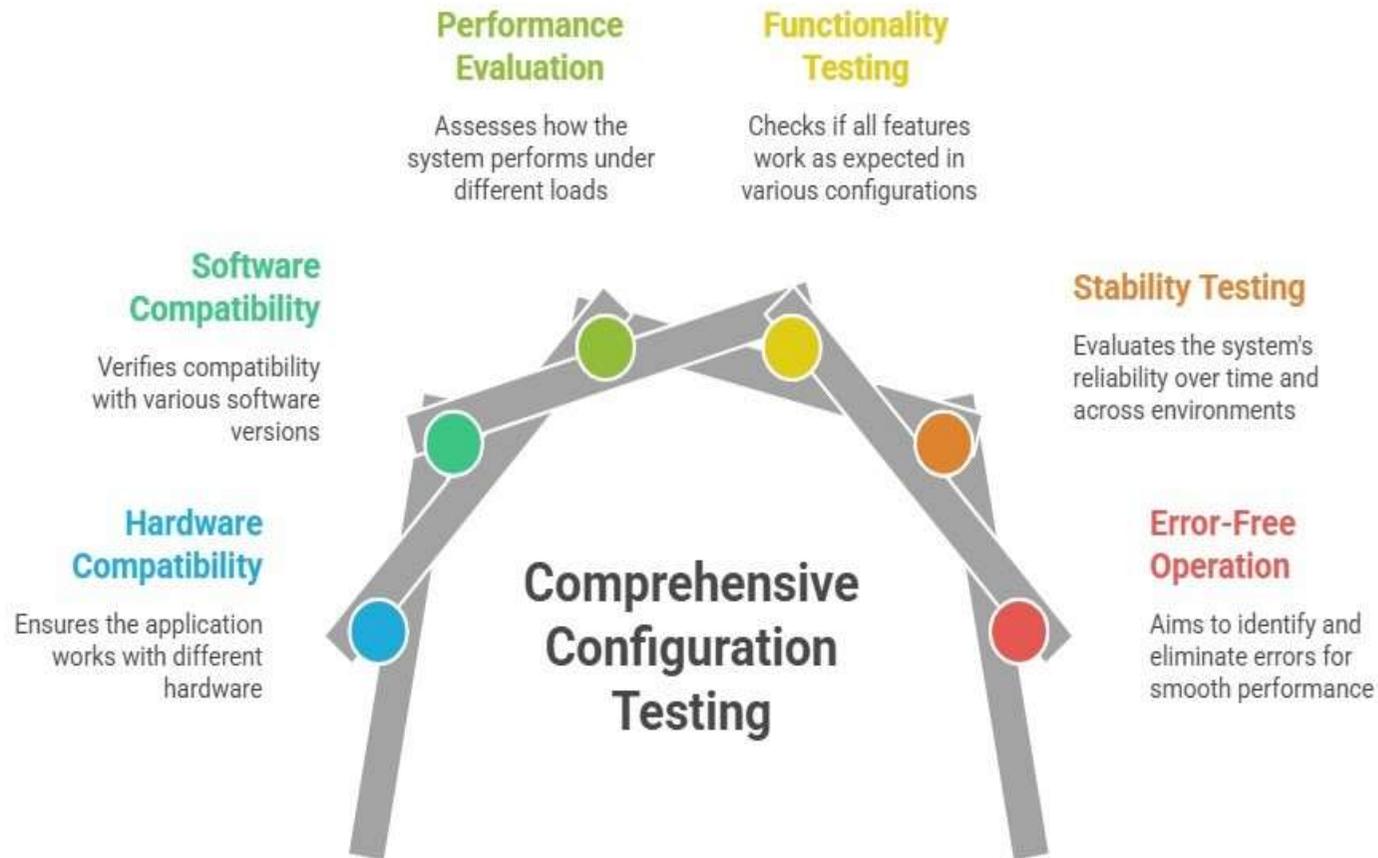
**COURSE NAME: 23ITO201- Software Testing
(OPEN ELECTIVE)**

III YEAR / VI SEMESTER

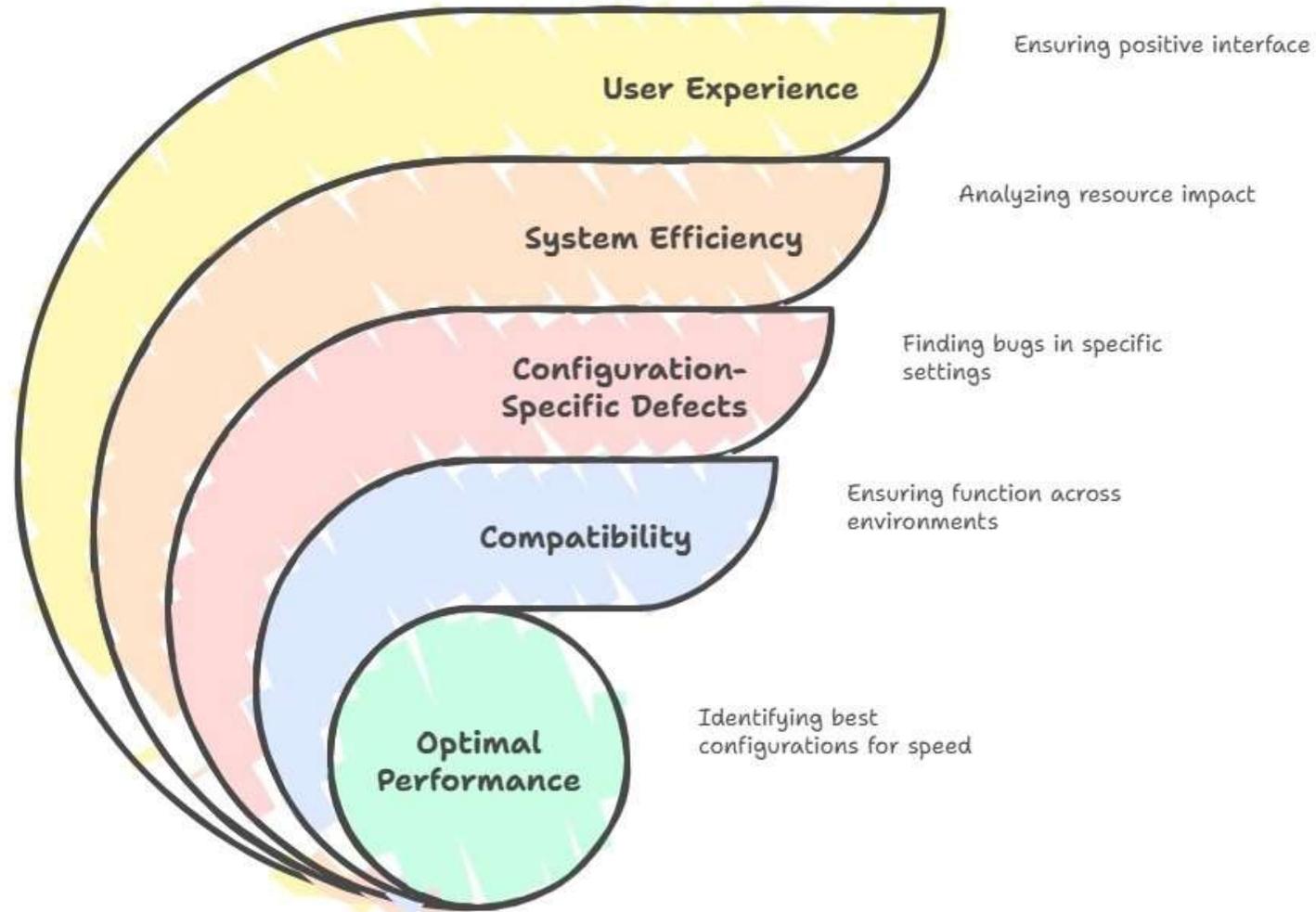
Unit 3 - LEVELS OF TESTING

**Topic : Configuration testing , Compatibility testing , Testing the
documentation and Website testing**

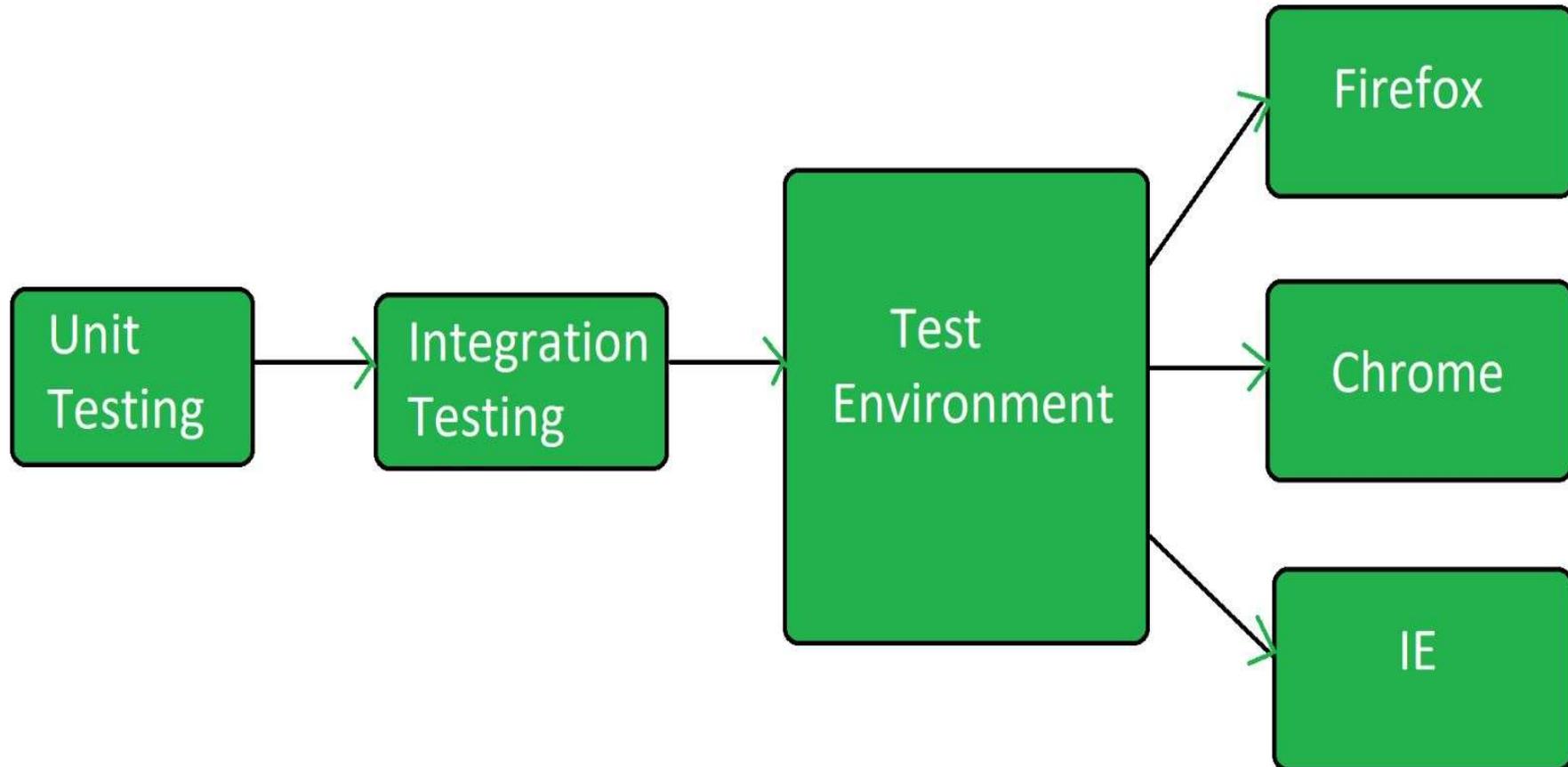
Empathy



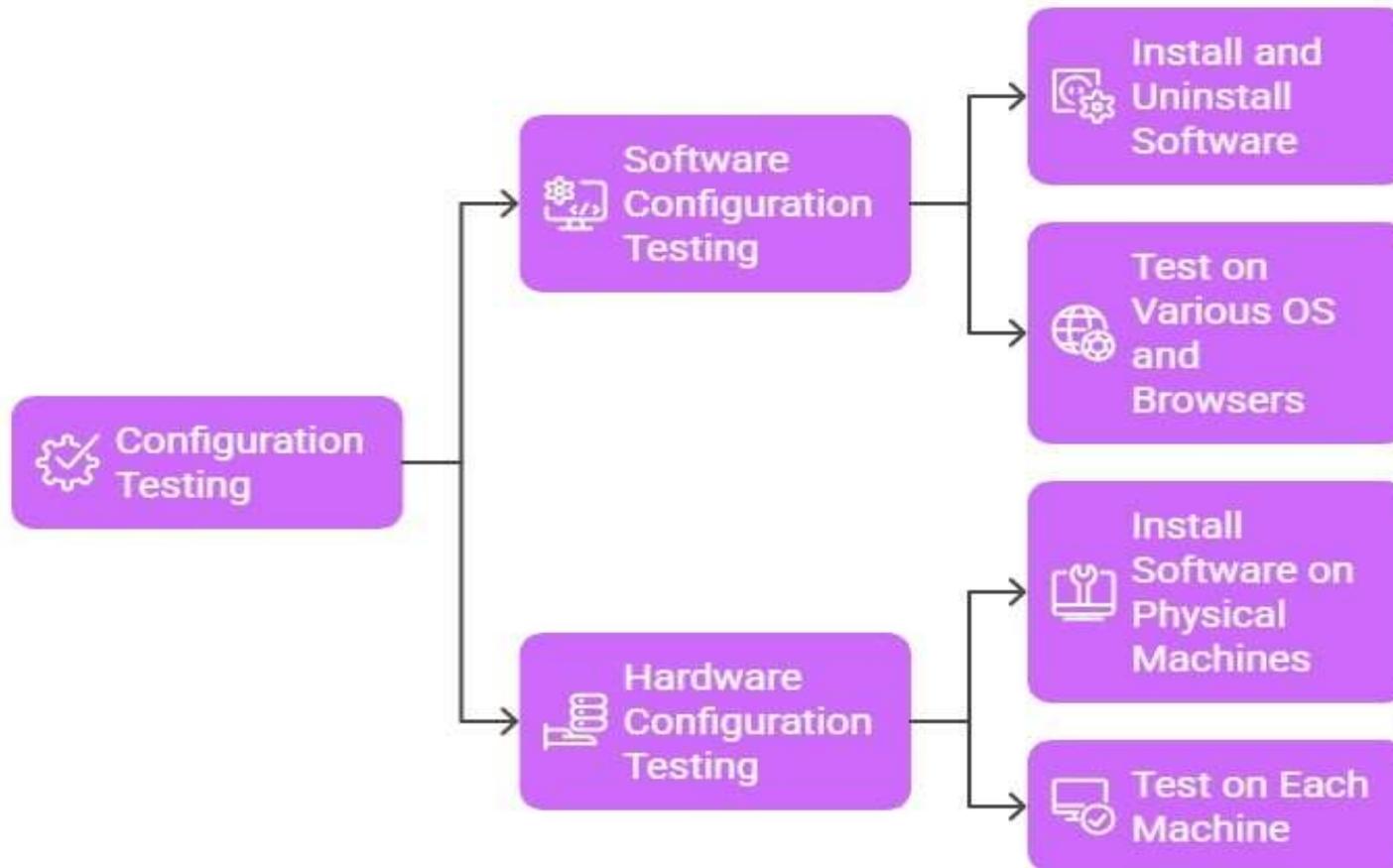
Configuration Testing Objectives



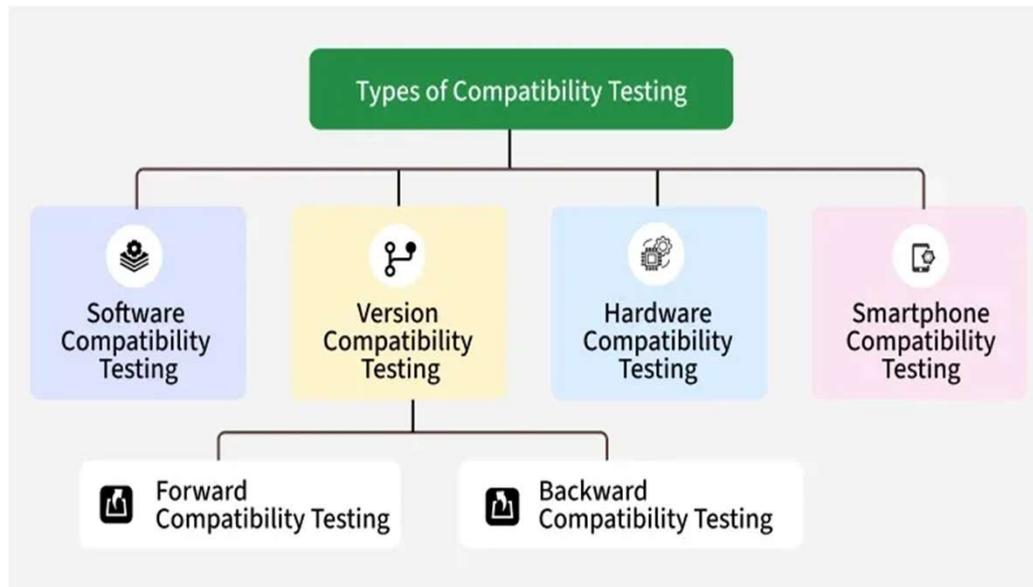
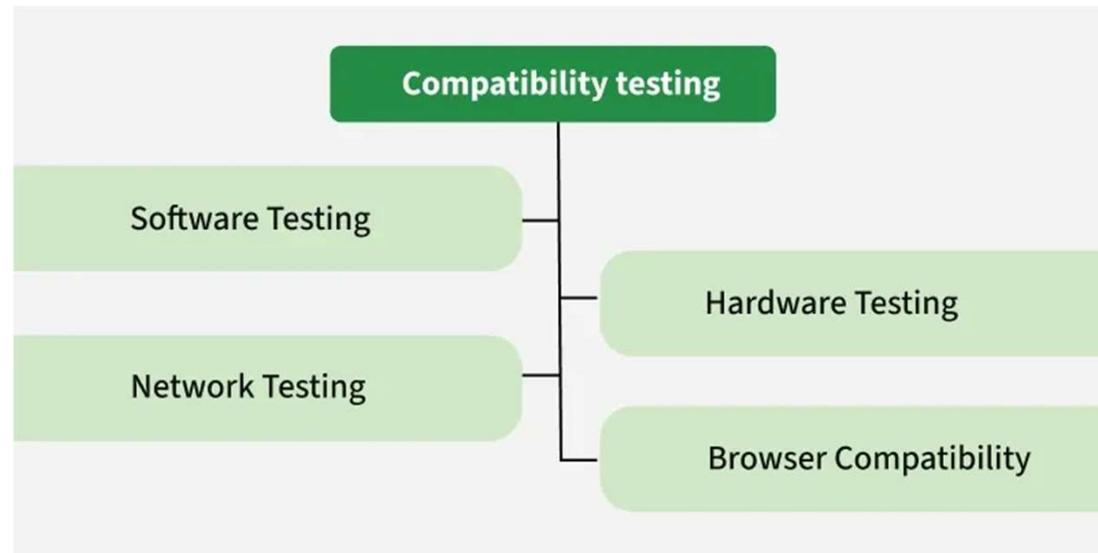
Configuration Testing Process



Types of Configuration Testing



Compatibility Testing re-sure that the **application functions** are correctly across different platforms, environments, and devices. It is crucial for identifying issues that could affect user experience and application performance before release



Compatibility Testing Defects

- Variety of user interface.
- Changes with respect to font size.
- Alignment issues.
- Issues related to existence of broken frames.
- Issues related to overlapping of content.

TESTING DOCUMENTATION

Documents Needed Before Testing

- SRS (Functional Requirements Reference)
- Test Policy (Defines early testing approach)
- Test Strategy (Team roles, responsibilities, process)
- Traceability Matrix (Maps & tracks requirements)



Documents Used During Testing

- Test Cases (Unit, Integration, System, Acceptance)
- Test Descriptions (Detailed execution steps)
- Test Case Reports (Results of test execution)
- Test Logs (Execution history & notes)



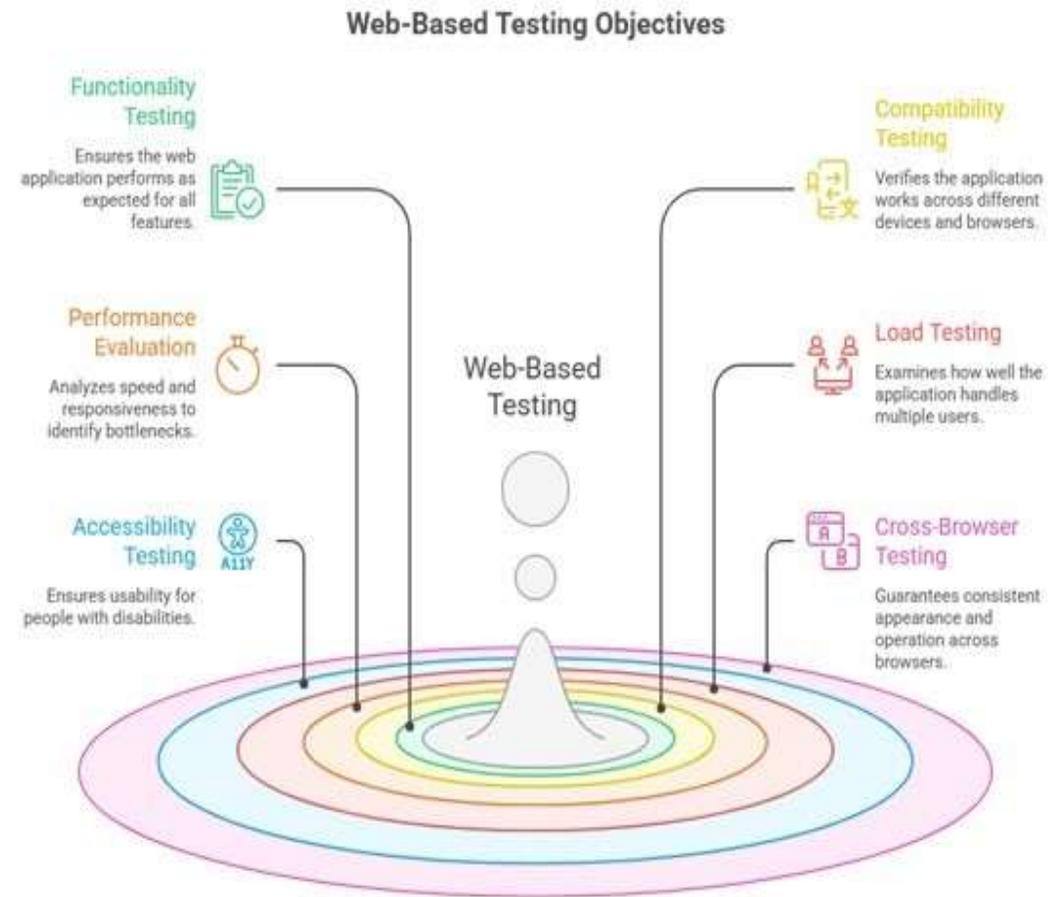
Documents After Testing

- Test Summary Report (Overall analysis)
- Version Release Notes (If ready for launch)
- Final Go/No-Go Decision

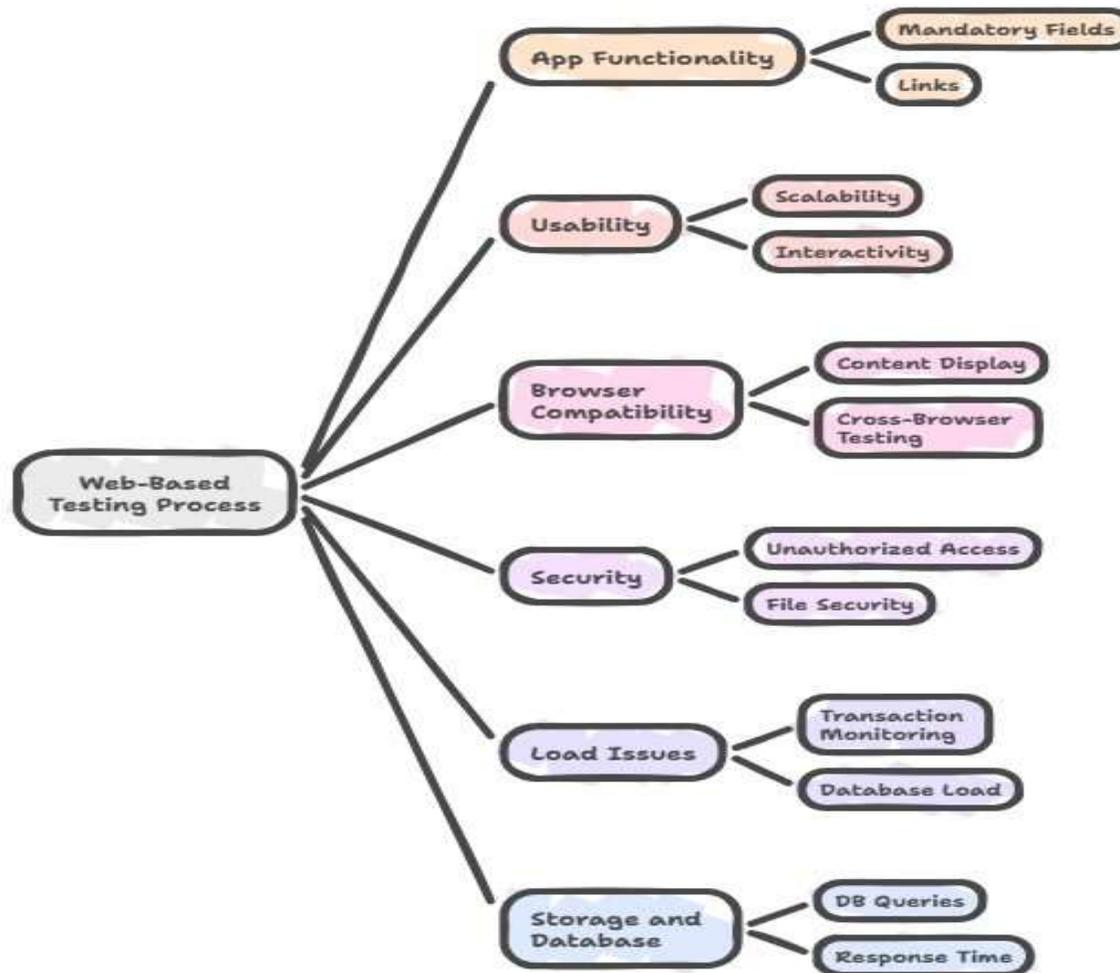


Website Testing

Web testing is a software testing technique to test web applications or websites for finding errors and bugs. A web application must be tested properly before it goes to the end-users. Also, testing a web application does not only mean finding common bugs or errors but also testing the quality-related risks associated with the application



Web-Based Testing Process



CONFIGURATION TESTING , COMPATIBILITY TESTING , TESTING THE DOCUMENTATION
AND WEBSITE TESTING / 23ITO201- SOFTWARE TESTING / Mr.K.KARTHIKEYAN/CSE/SNSCT

Activity

Configuration Testing

Activity Title: Testing Software in Different System Configurations

Scenario:

A software application must run on different system configurations such as various operating systems, memory sizes, and hardware setups.

Activity Task:

Students perform **Configuration Testing** to check whether the software works correctly under different configurations.

Steps:

1. Identify different **hardware and software configurations**.
2. Install the application on systems with **different OS or memory sizes**.
3. Run the same **test cases** on each configuration.
4. Observe any **performance or functional issues**.
5. Record results and report defects.

Learning Outcome:

Students understand how software behaves in **different system configurations**.

MCQ

MCQ – Configuration Testing

1. What is the purpose of Configuration Testing?

- A) To test network security
- B) To check software behavior under different system configurations
- C) To test database performance
- D) To test only user interface

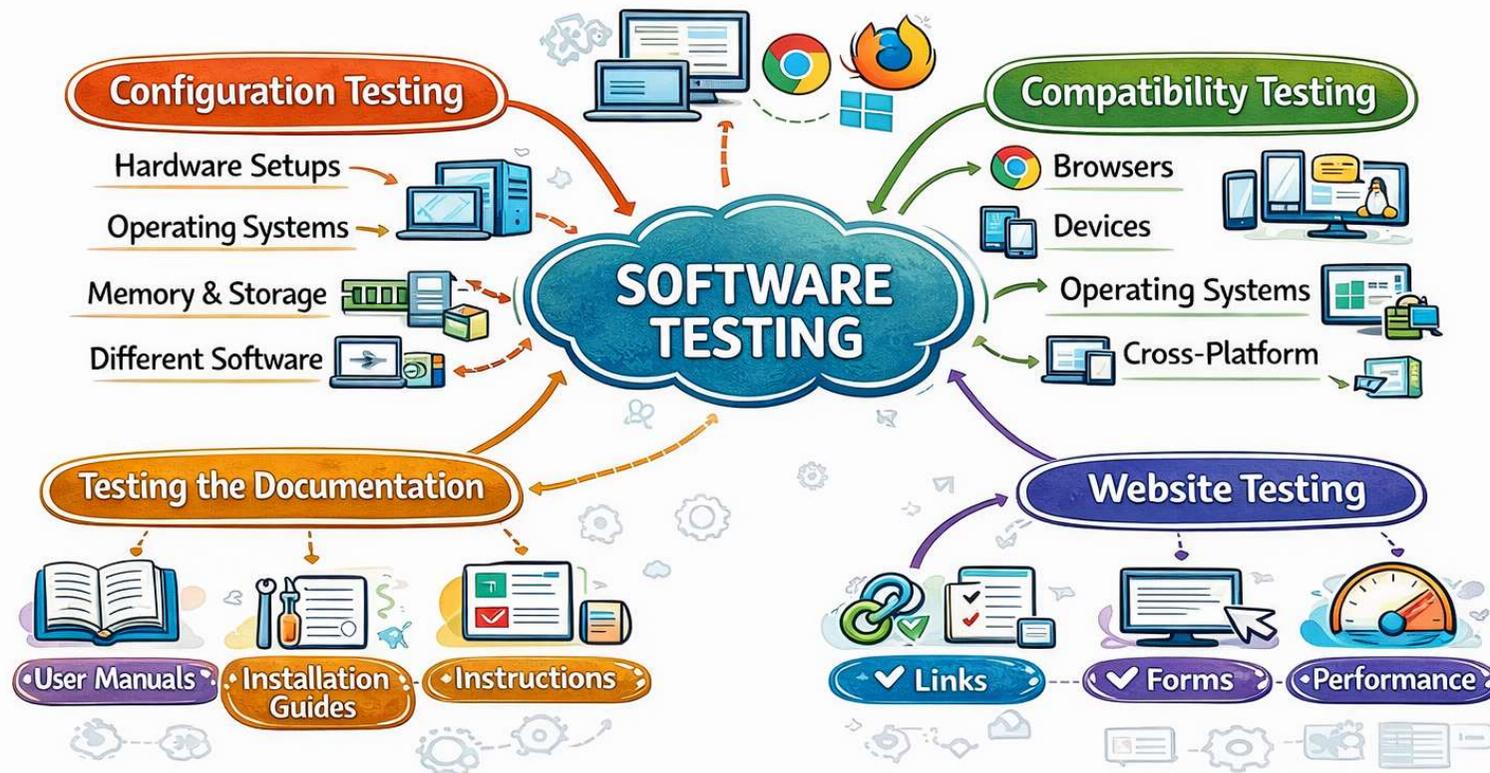
Answer: B) To check software behavior under different system configurations

2. Configuration testing mainly focuses on:

- A) Hardware and software combinations
- B) Coding standards
- C) Internet speed
- D) Data backup

Answer: A) Hardware and software combinations

Mind Map



CONFIGURATION TESTING , COMPATIBILITY TESTING , TESTING THE DOCUMENTATION AND WEBSITE TESTING / 23ITO201- SOFTWARE TESTING / Mr.K.KARTHIKEYAN/CSE/SNSCT

TEXT BOOKS	
1.	Srinivasan Desikan and Gopalaswamy Ramesh, —Software Testing – Principles and Practices, Pearson Education, 2006.
REFERENCES	
1.	Ilene Burnstein, —Practical Software Testing, Springer International Edition, 2003
2.	Edward Kit, Software Testing in the Real World – Improving the Process , Pearson Education, 1995
3.	Boris Beizer, Software Testing Techniques – 2nd Edition, Van Nostrand Reinhold, New York, 1990.
4.	Aditya P. Mathur, —Foundations of Software Testing _ Fundamental Algorithms and Techniques, Dorling Kindersley (India) Pvt. Ltd., Pearson Education, 2008.



Thank You

