

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

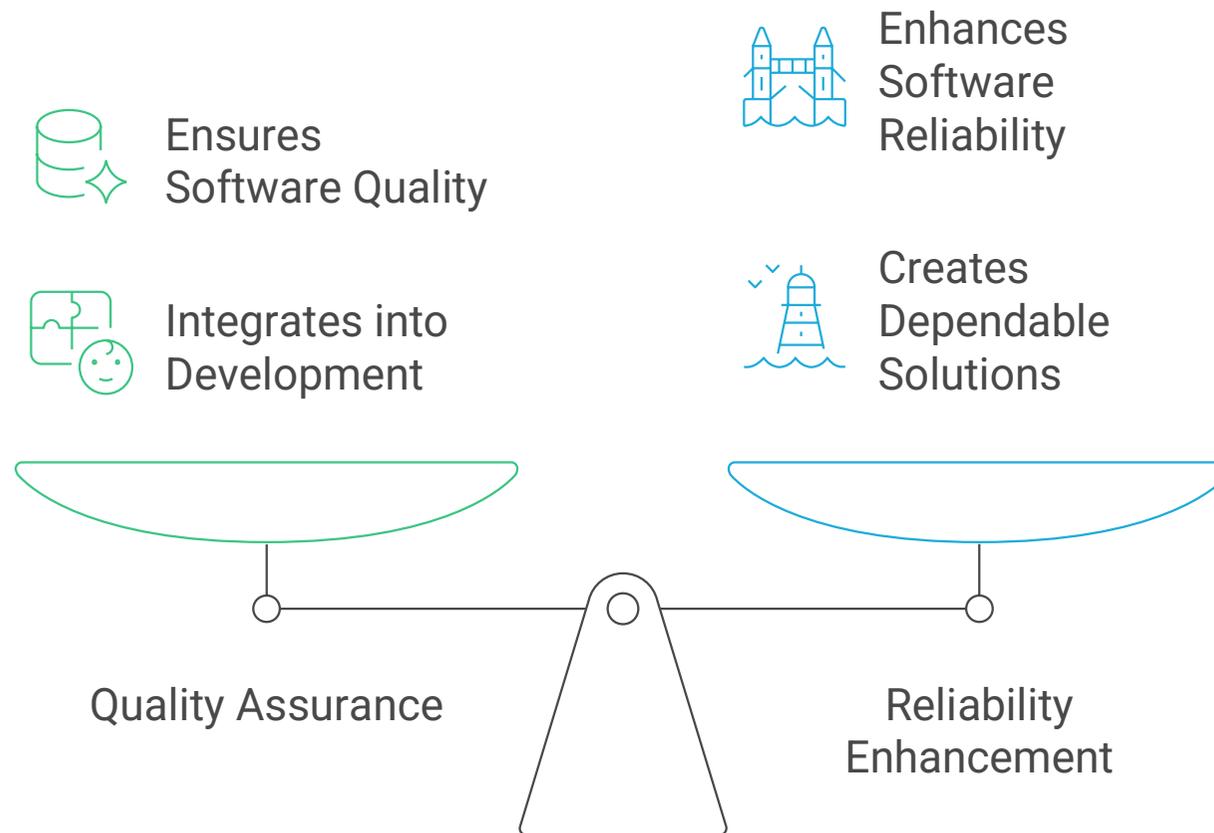
**COURSE NAME: 23ITO201- Software Testing
(OPEN ELECTIVE)**

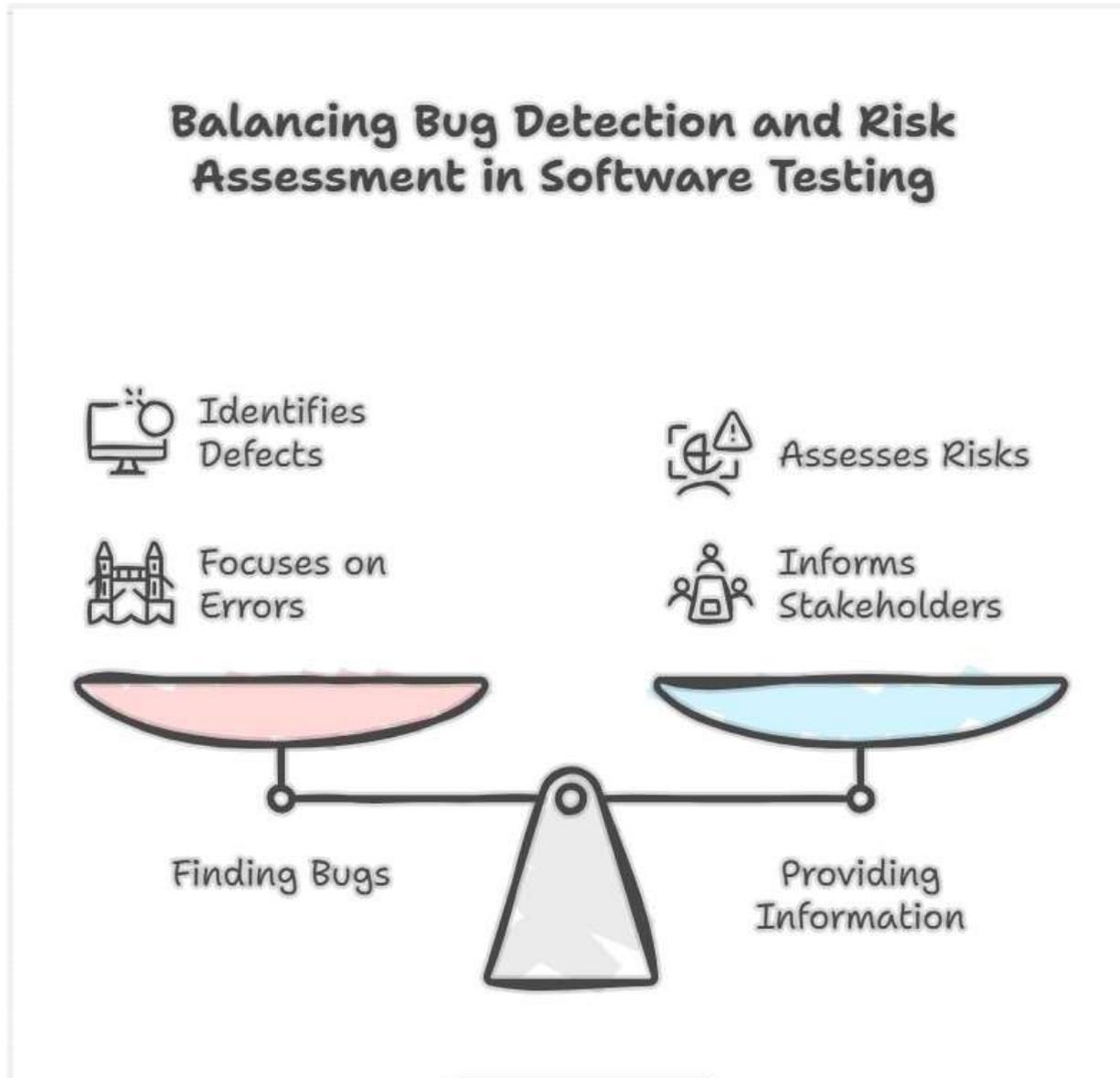
III YEAR / VI SEMESTER

Unit 1 - INTRODUCTION

Topic 1: Testing as an Engineering Activity

Recall in Balancing Quality and Reliability in Software Testing

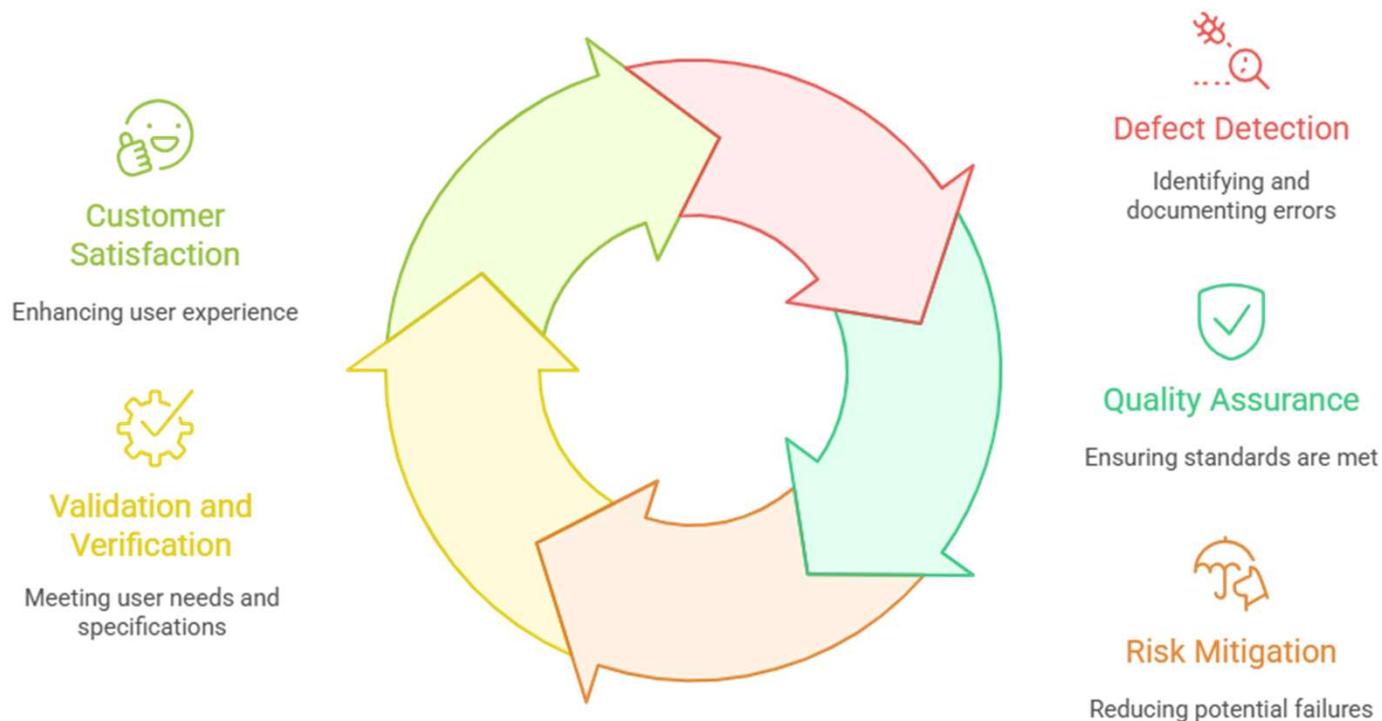




Objectives of Software Testing

- The primary objectives of software testing are multifaceted and contribute to the overall quality of the software product. These objectives include:

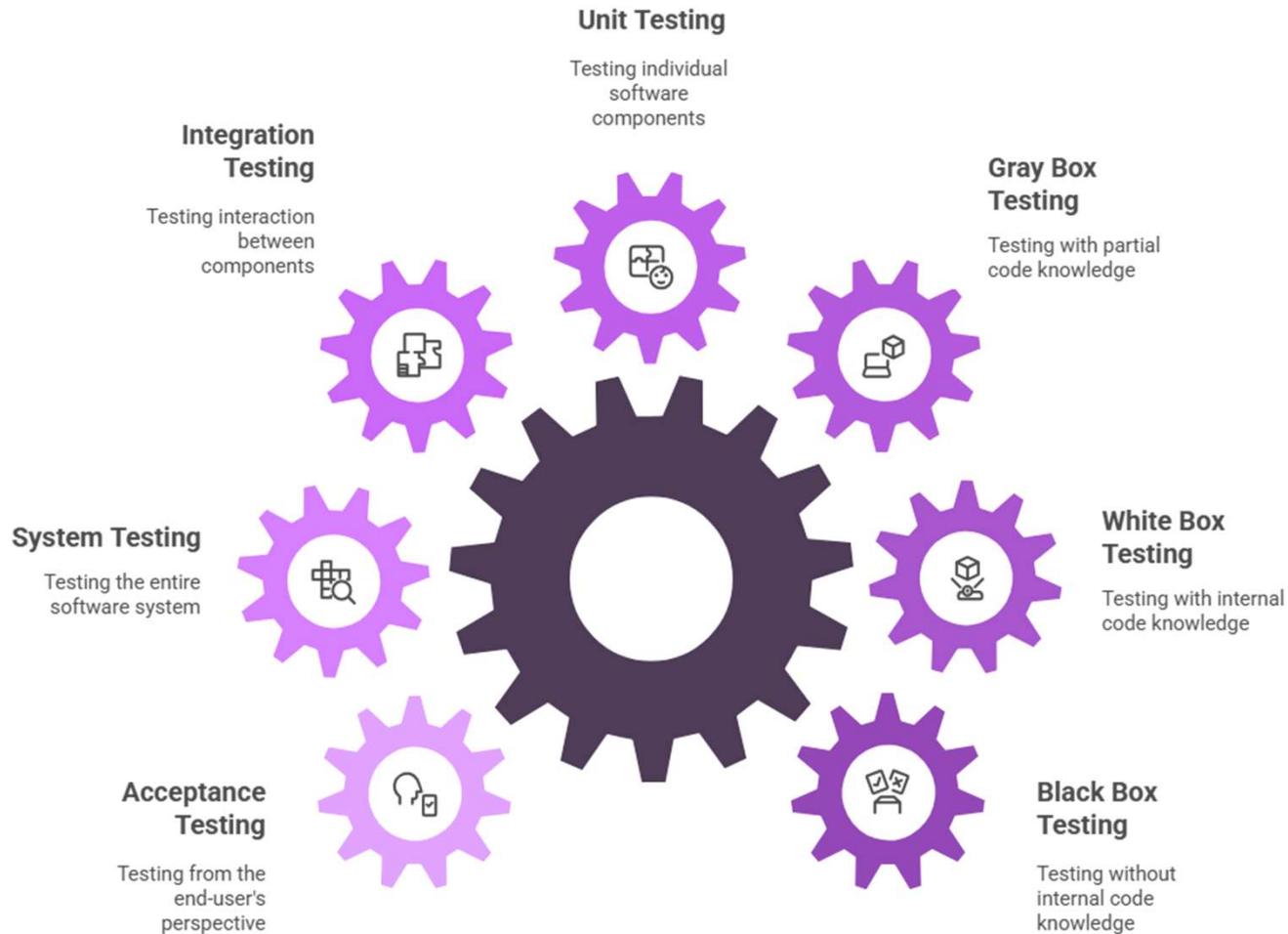
Objectives of Software Testing Cycle



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Testing Methodologies

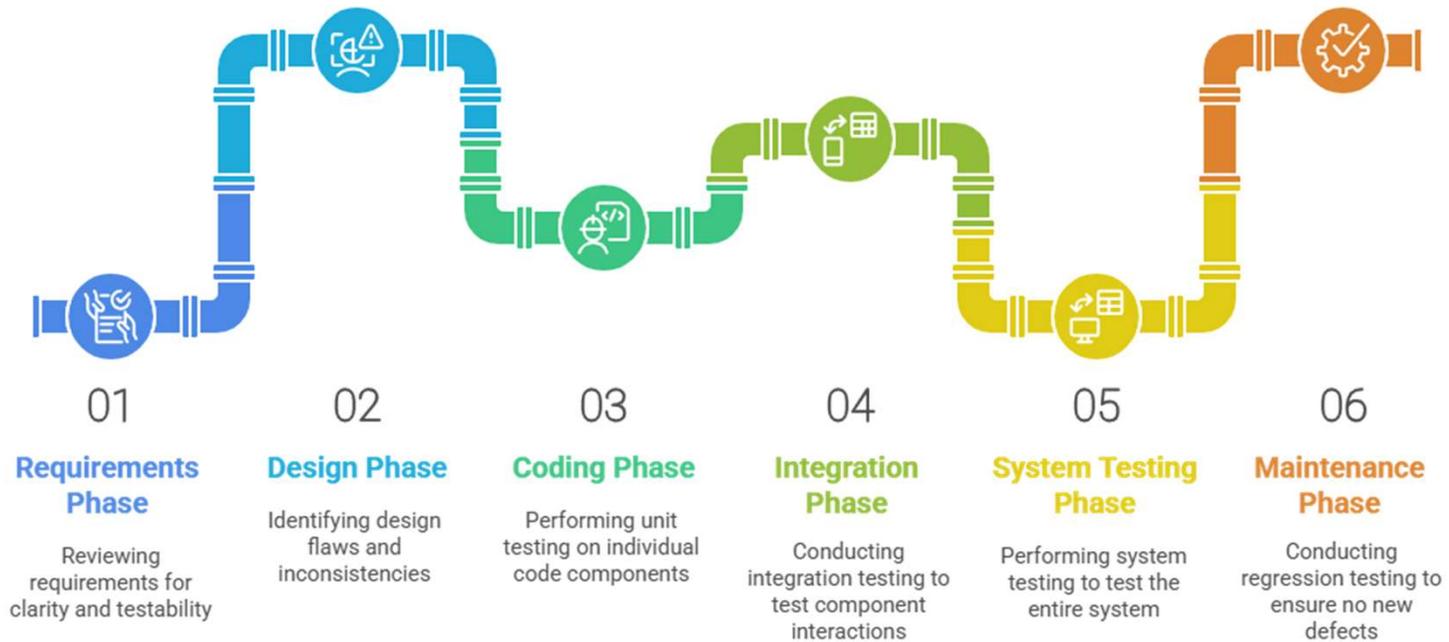
Software Testing Methodologies



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Testing in the Software Development Lifecycle (SDLC)

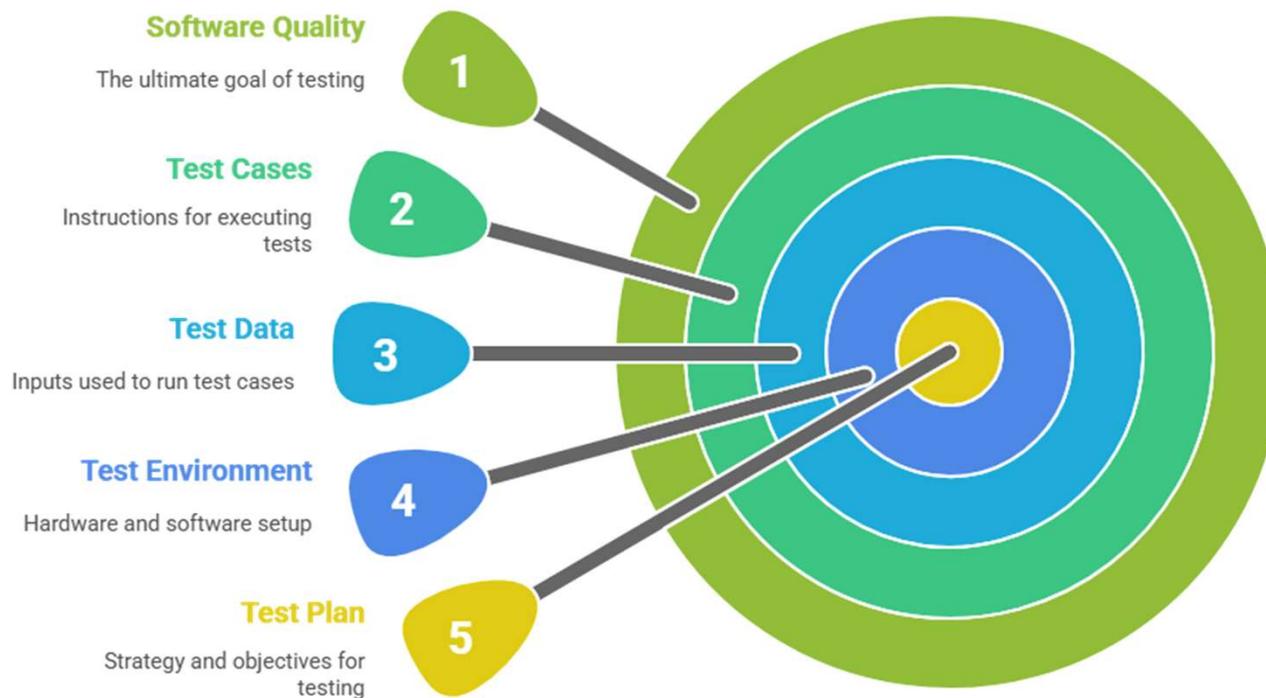
Testing Phases in Software Development



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Test Planning and Design

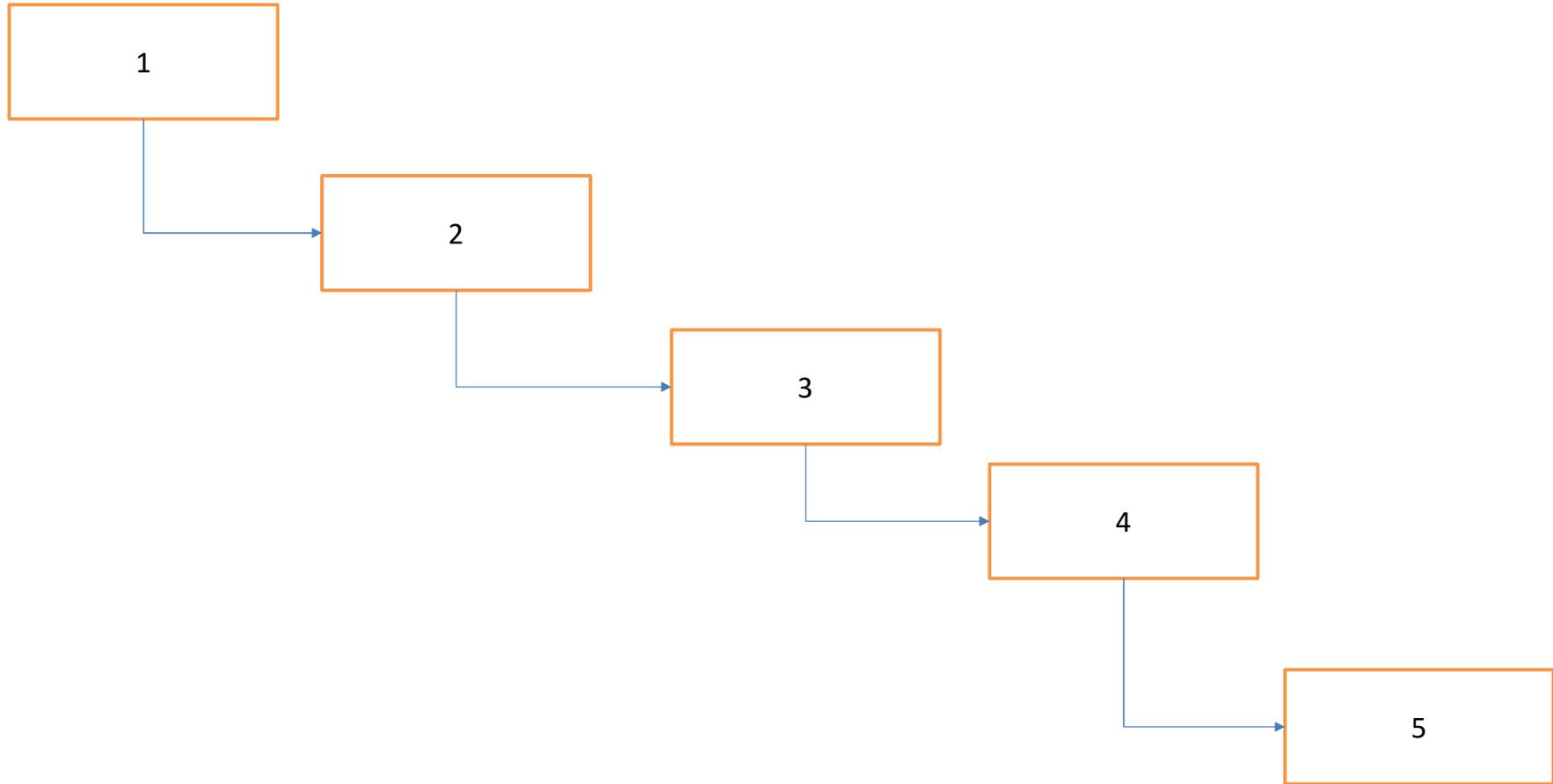
Software Testing Components



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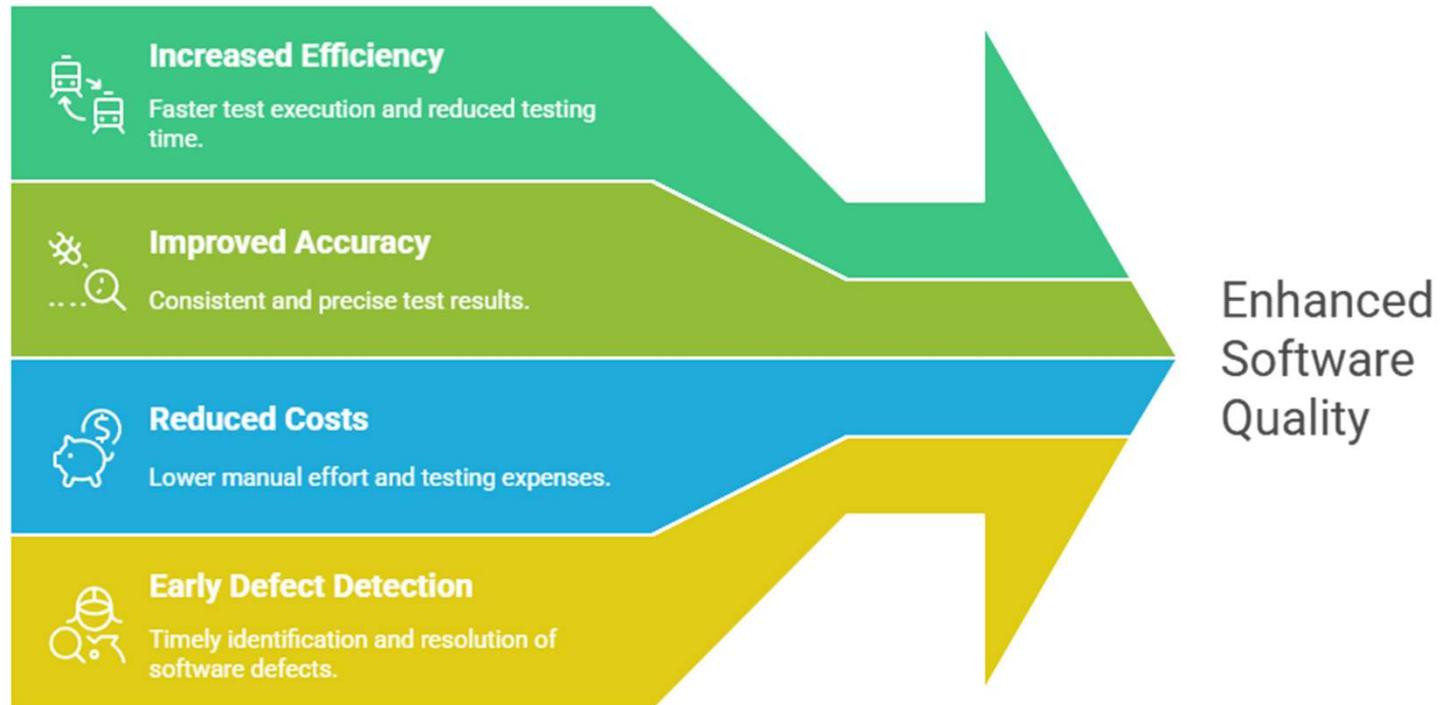
Activities

Activity 1: Software Testing Life Cycle



Test Automation

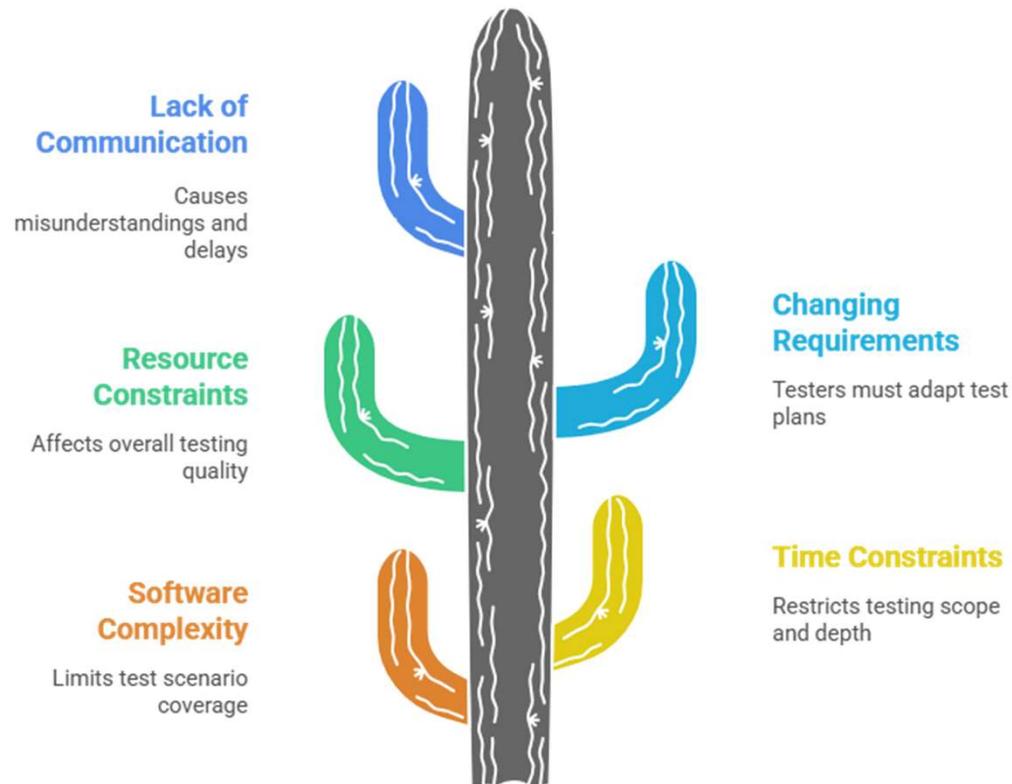
The Power of Test Automation



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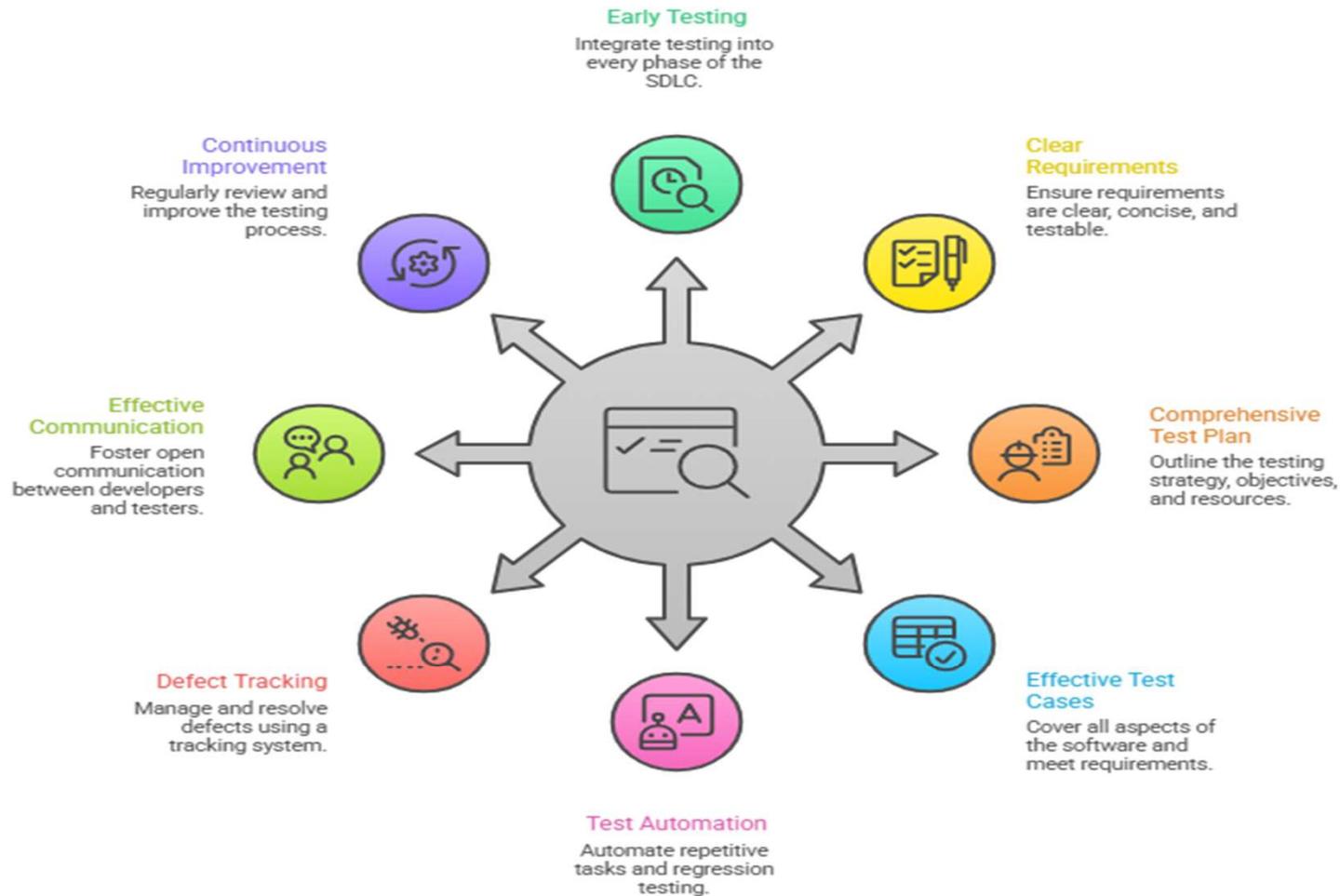
Navigating Software Testing Challenges

Navigating Software Testing Challenges

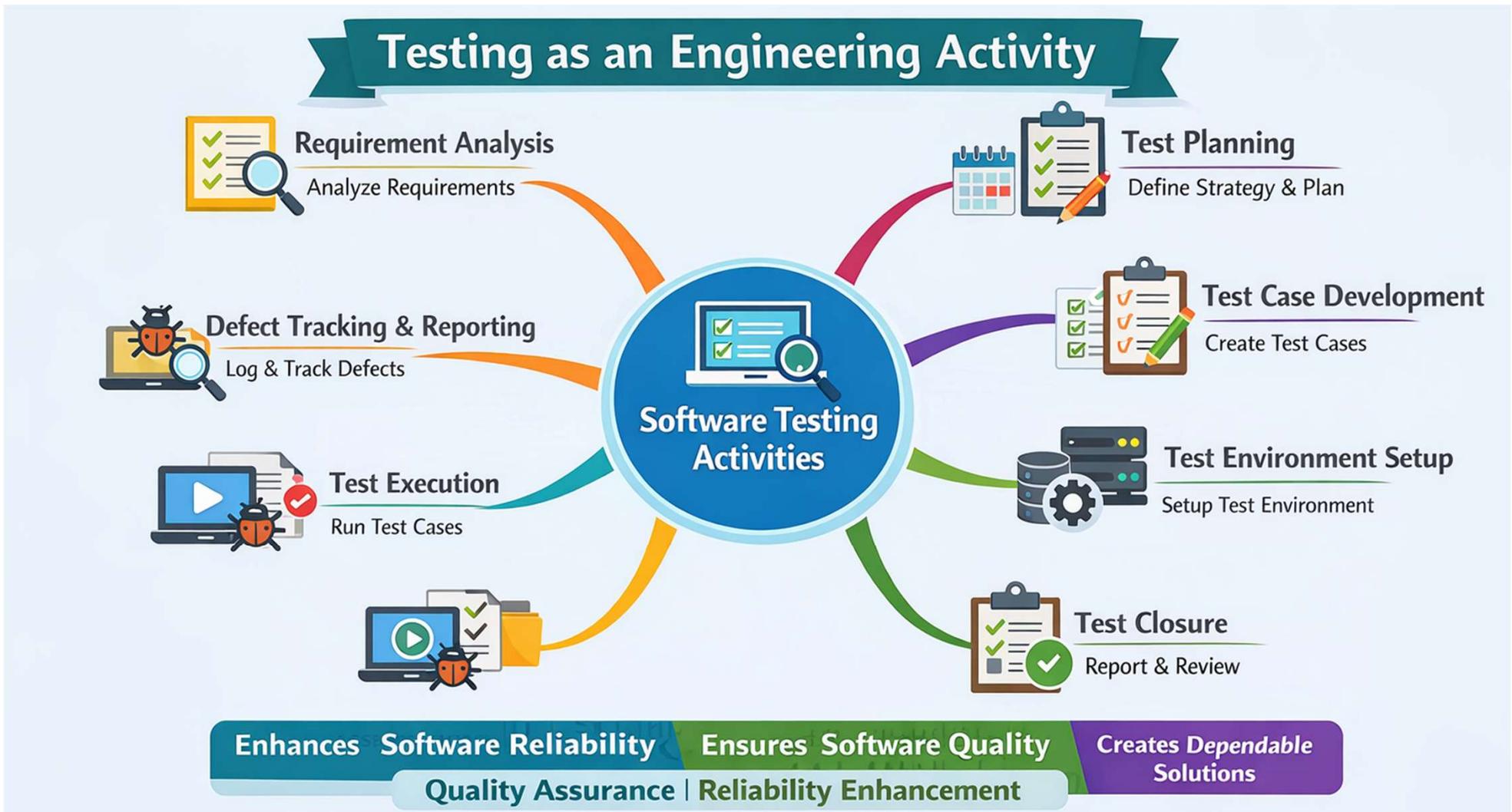


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Best Practices for Software Testing



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ASSESSMENT

Software Testing Activities (With Answers)

1 Which activity identifies what needs to be tested?

- A. Test Execution
- B. Requirement Analysis
- C. Test Closure
- D. Deployment

Answer: B — Requirement Analysis

2 In which activity is the test strategy and schedule prepared?

- A. Test Planning
- B. Test Execution
- C. Defect Tracking
- D. Maintenance

Answer: A — Test Planning

TEXT BOOKS	
1.	Srinivasan Desikan and Gopaldaswamy 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
