

# **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 )**

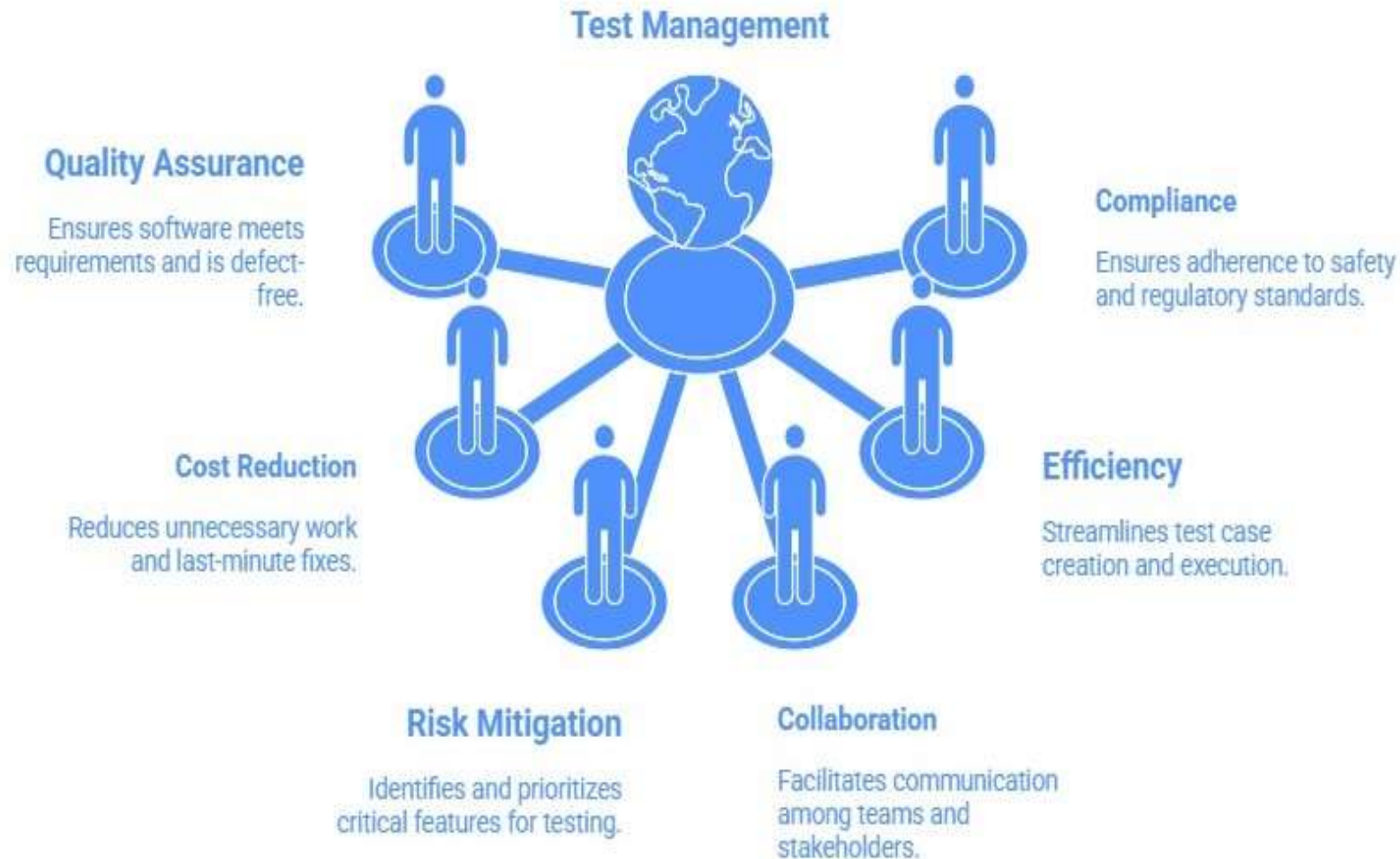
**III YEAR / VI SEMESTER**

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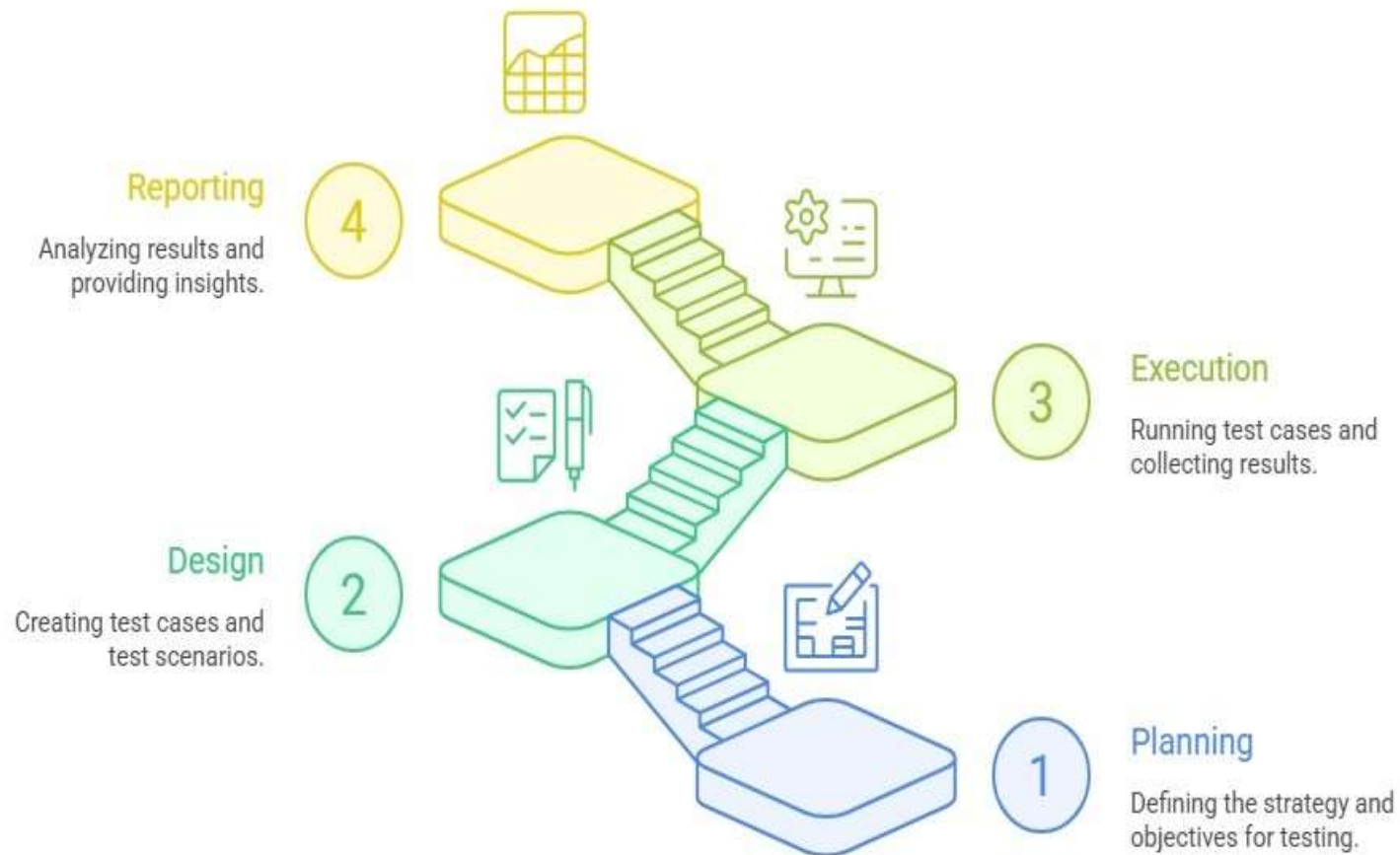
**Unit 4 - TEST MANAGEMENT**

**Topic : Test Management and Test Process**

# Empathy in Importance of Test Management



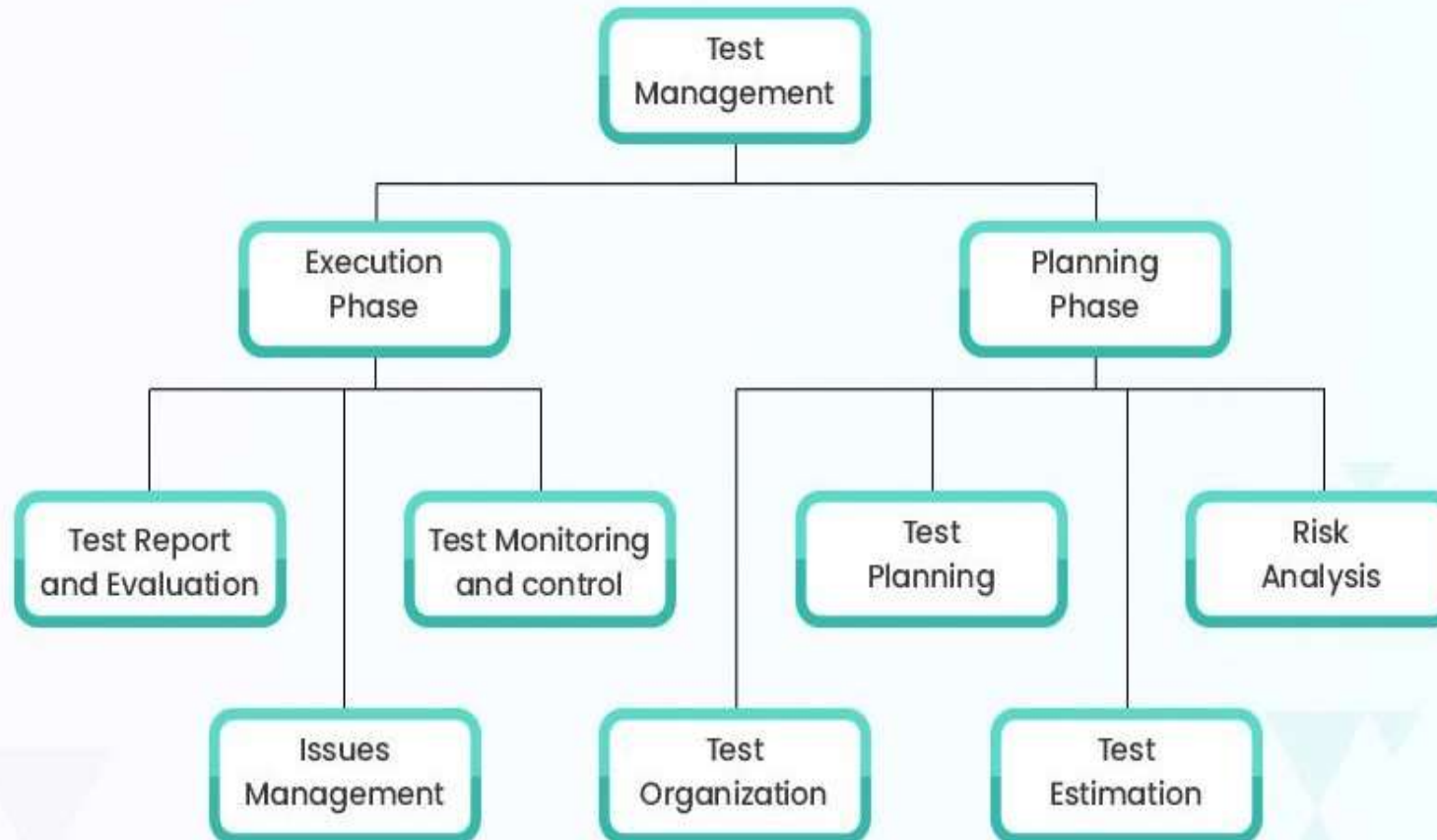
## Achieving High-Quality Software Delivery



# Test Management Process Funnel



# Process of Test Management



## Key Outcomes of Test Reporting

### Software Quality Insights

Provides understanding of software quality

### Transparency and Accountability

Informs relevant parties about testing

### Defect Summary

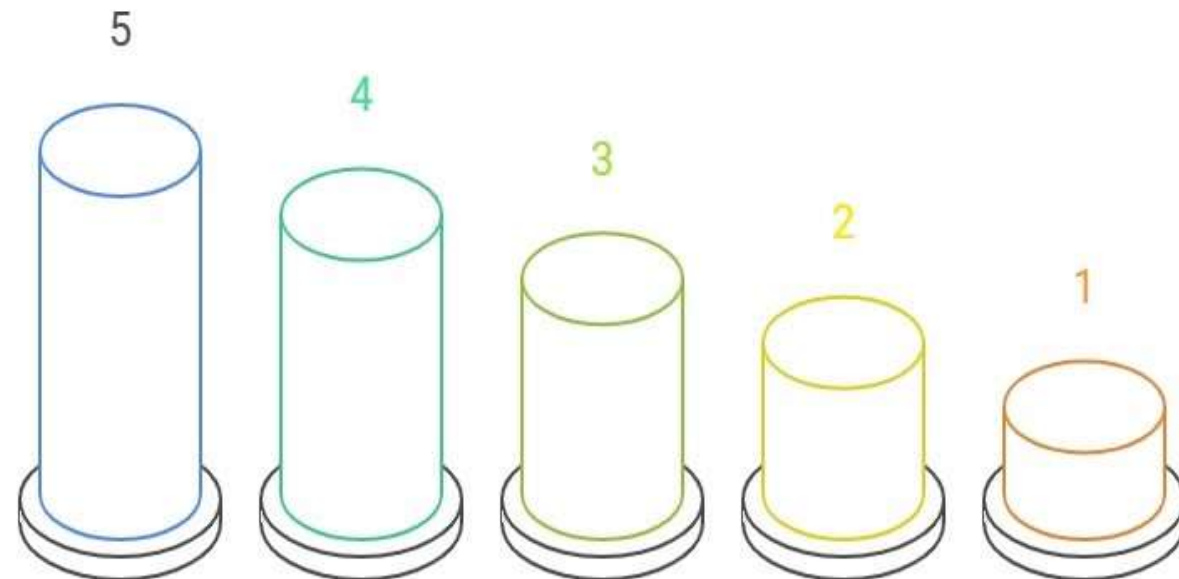
Documents identified defects and their status

### Test Coverage Metrics

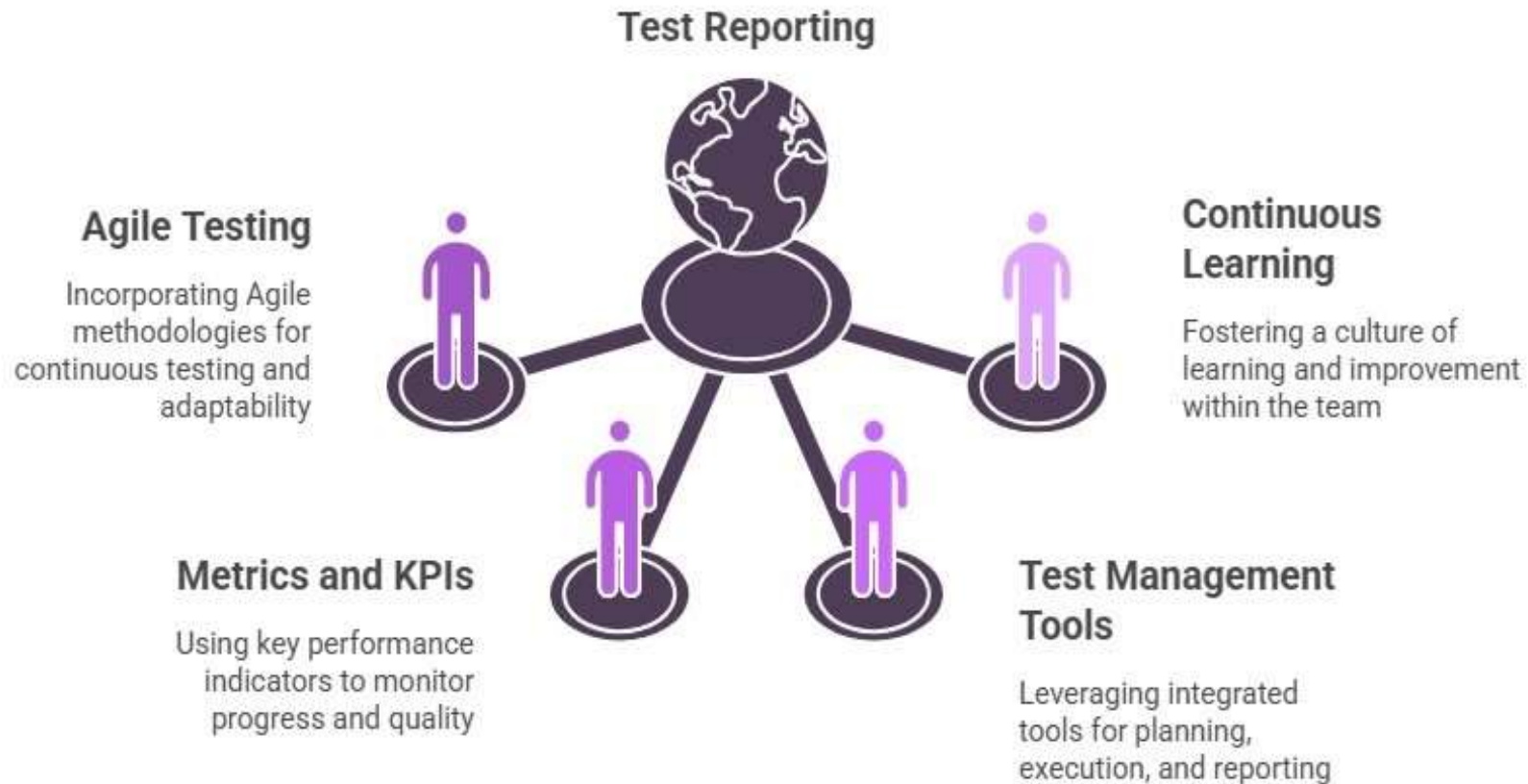
Summarizes test coverage achieved

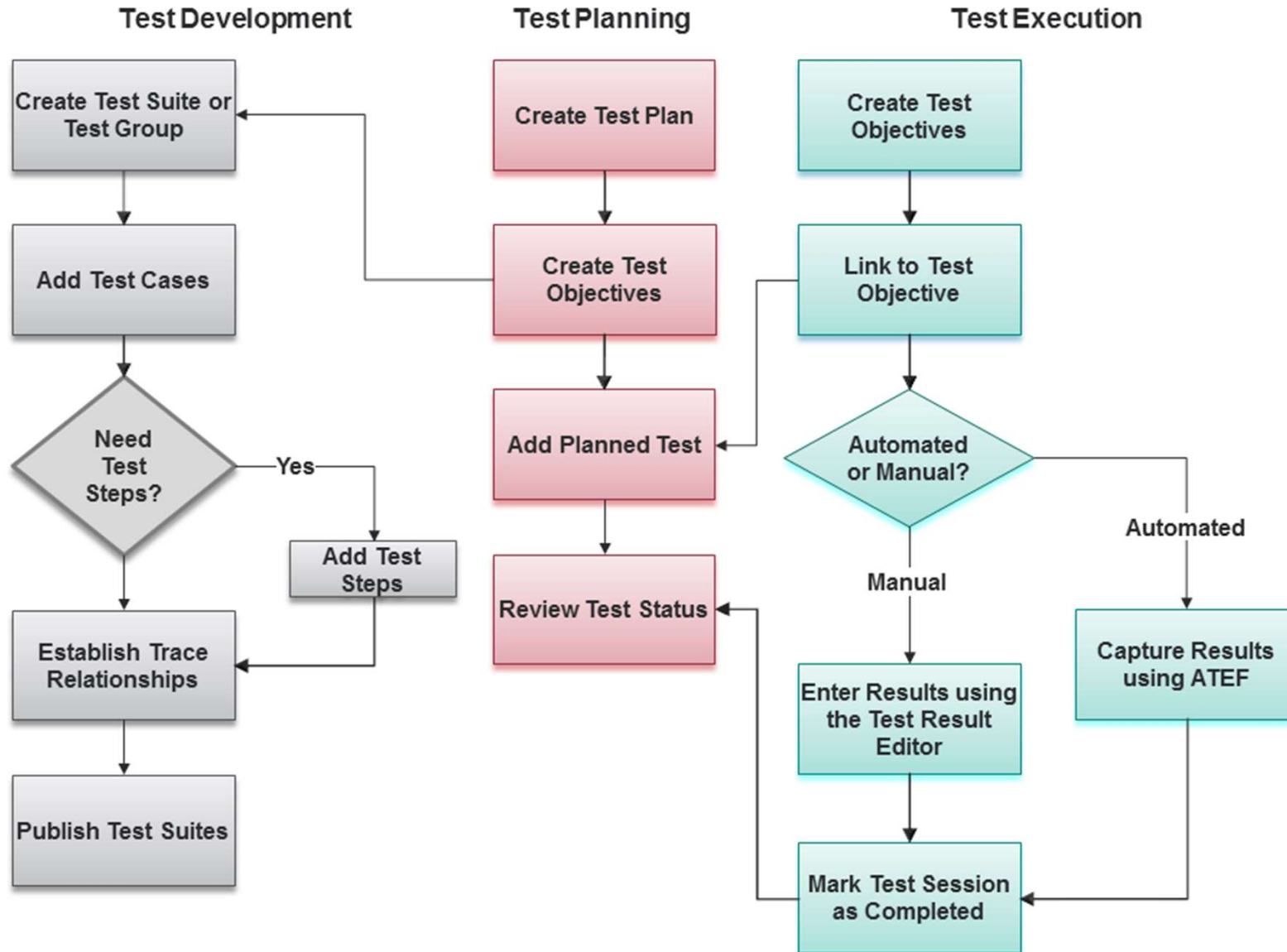
### Test Execution Results

Records outcomes of test execution



# Strategies for Effective Test Reporting





# Activity

## Activity: Understanding Test Management & Test Process

### Objective

To understand how software testing is planned, managed, and executed step-by-step in a real-world scenario.




### Scenario (Activity Setup)

Imagine you are part of a testing team working on an **Online Shopping Application**.

### Part 1: Test Management Activity

#### Task 1: Identify Test Management Responsibilities

Divide students into groups and assign them roles:

-  Test Manager
-  Test Lead
-  Test Engineer






#### Activity Questions

Each group should discuss and answer:

1. What are your responsibilities?
2. What decisions will you make?
3. What challenges might you face?

### Expected Outcomes

#### Test Management Includes:

-  Test Planning
-  Resource Allocation
-  Risk Management
-  Test Monitoring & Control
-  Test Reporting

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# MCQ

## Test Management & Test Process – MCQs

### ◆ Section A: Test Management

**1. What is the primary goal of Test Management?**

- A) Writing code
- B) Managing testing activities
- C) Designing UI
- D) Fixing bugs

**Answer: B**

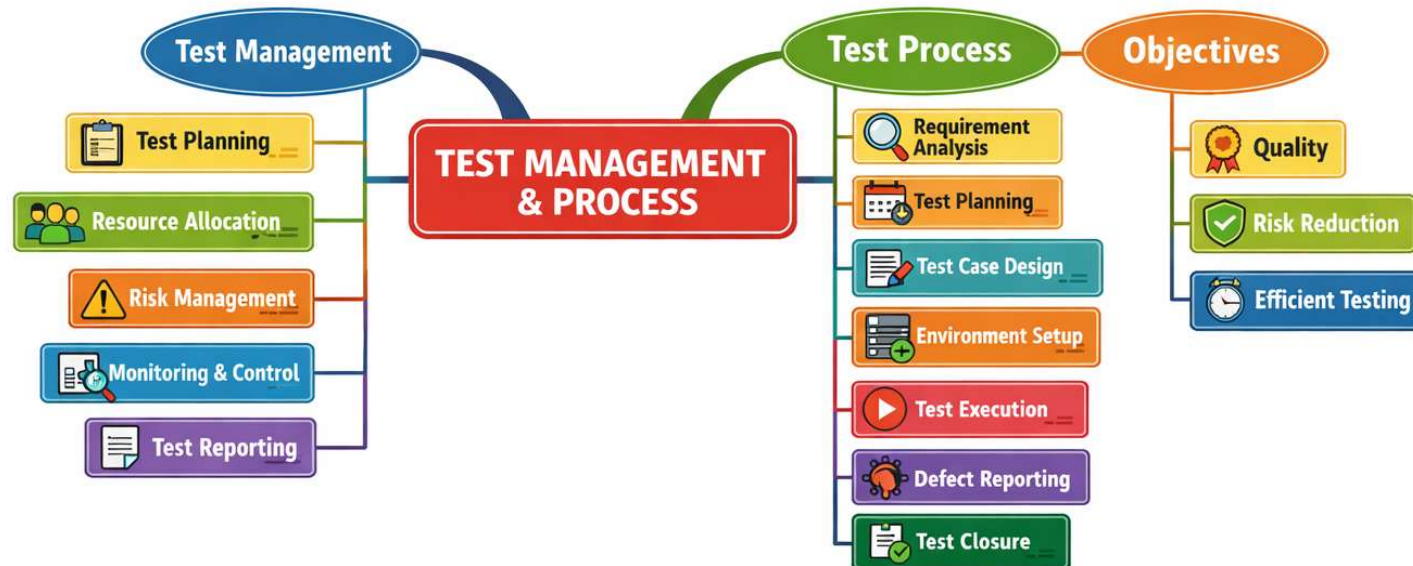
**2. Who is responsible for overall test planning and control?**

- A) Developer
- B) Test Engineer
- C) Test Manager
- D) Client

**Answer: C**

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# MINDMAP



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!

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