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ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C),GSAS CGP,GCP,ISO 14001

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MODULE 9L4

Record Documentation of Tests

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Record documentation is a crucial component of functional testing in software development and quality assurance. It involves the systematic collection, organization, and analysis of data generated during testing processes to ensure the software behaves as expected. Record documentation serves multiple purposes, including traceability, communication, quality assurance, and regulatory compliance. It typically includes test cases, test execution results, defect records, and trend data records.

Learning Objectives

- Record documentation of tests
- Airside, water, and control system troubleshooting
- Required O&M paperwork and training Preventive maintenancetems
- Retro-commissioning
- Commissioning professional certification & its importance.
- Point-to-point calibrate MEP & sensor systems.
- Green building rating systems & commissioning
- Summary and Resources
- CxCT Practice Exam: Test Your Knowledge!

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INTRODUCTION

- Record documentation is a crucial part of functional testing in software development and quality assurance.
- It involves systematic collection, organization, and analysis of data generated during testing processes.

IMPORTANCE OF RECORD DOCUMENTATION

- Provides traceability: Provides a clear trail of what was tested, how it was tested, and the outcomes.
- Facilitates communication: Facilitates understanding among stakeholders about the functionality and performance of the software.
- Ensures Quality Assurance: Identifies patterns, anomalies, and trends over time that might indicate underlying issues with the software.
- Helps demonstrate regulatory compliance: Well-documented tests can help organizations demonstrate compliance with regulatory requirements.

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Components of Record Documentation

- Test Cases: Details of the input, execution steps, and expected results.
- Test Execution Results: Documentation of the actual results obtained during the testing process.
- Defect Records: Documentation of any issues identified during testing.
- Trend Data Records: Aggregate data over time that shows how the software's performance and functionality evolve with each release or sprint.

Collecting Trend Data Records

- Defect Density: The number of defects identified per unit of functionality.
- Test Coverage: The percentage of the application’s features that have been tested.
- Pass/Fail Rates: The ratio of successful test executions to the total number of tests run.

PERFORMING SIMPLE PASS/FAIL TESTS

- Test Setup: Define the environment and prerequisites for the test.
- Execution: Execute the test case as per the documented steps.
- Result Assessment: Compare the actual outcome to the expected result.

Understanding Trend Reviews

- Identifies patterns: Reveals recurring issues or areas of improvement.
- Impact Analysis: Helps assess the effectiveness of testing strategies.
- Continuous Improvement: Forms the foundation for iterative improvements in testing processes and software quality.

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