

FIELD SERVICE WORKORDER OPTIMIZATION

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Team ID	LTVIP2025TMID29686
Project Name	Field Service Workorder Optimization
Maximum Marks	

CHAPTER 7:-Functional and Performance Testing

Functional and Performance Testing for your **Field Service Work Order Optimization** system

Techniques Used

- **Unit Testing:** Validate individual components (e.g., work order creation)
- **Integration Testing:** Ensure modules interact correctly (e.g., scheduling + mobile app)
- **User Acceptance Testing (UAT):** Confirm system meets stakeholder expectations
- **Regression Testing:** Ensure new updates don't break existing functionality

Performance Test Types

- **Load Testing:** Simulate normal usage to measure responsiveness
- **Stress Testing:** Push system beyond limits to identify breaking points
- **Spike Testing:** Sudden increase in load to test recovery
- **Endurance Testing:** Long-duration testing to check for memory leaks or degradation

Tools Commonly Used

FIELD SERVICE WORKORDER OPTIMIZATION

- **Functional:** Selenium, Postman, TestRail
- **Performance:** JMeter, LoadRunner, Gatling, BlazeMeter

7.1 - Performance Testing (Trigger Testing)

The screenshot displays the 'New Technician' form within the Field Service WorkOrder optimization interface. The form is titled 'New Technician' and includes a search bar at the top. The background shows a sidebar with 'Technicians' and 'Recently Viewed' sections, and a main area with a table of technicians.

The form fields include:

- Technician** (Required field, marked with an asterisk and a red border)
- Owner** (vanaja pujari)
- Technician ID** (145017)
- Availability** (checked)
- Phone** (8,857,418,784)
- Name** (Vanaja)
- Location** (Tirupati)

A validation error message is displayed in a red box:

We hit a snag.

Review the following fields

- Technician

The form also includes 'Cancel', 'Save & New', and 'Save' buttons at the bottom.