Automated Testing:
Enhancing Software Quality

Automated Testing revolutionizes software development by streamlining testing processes. It comprises three key types:

Unit Testing

- Validates individual code components in isolation.

- Identifies bugs early, enhances code quality.

Integration Testing

- Verifies interactions between integrated code modules.

- Ensures seamless communication and system stability.

Performance Testing

- Evaluates system responsiveness and stability under varying conditions.

- Pinpoints performance bottlenecks, optimizes efficiency.

Why Automated Testing?

- **Efficiency:** Swift and consistent testing, reducing human errors.

- **Enhanced Coverage:** Automated tests cover diverse scenarios, ensuring reliability.

- **Rapid Feedback:** Accelerates the testing process, providing quick insights.