

SMART QE - AI-LED QUALITY ENGINEERING PLATFORM



Tata Consultancy Services' Smart Quality Engineering Platform is the industry's first platform that uses artificial intelligence to deliver quality engineering services.

THE CONTEXT

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KEY CHALLENGES

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THE INNOVATION

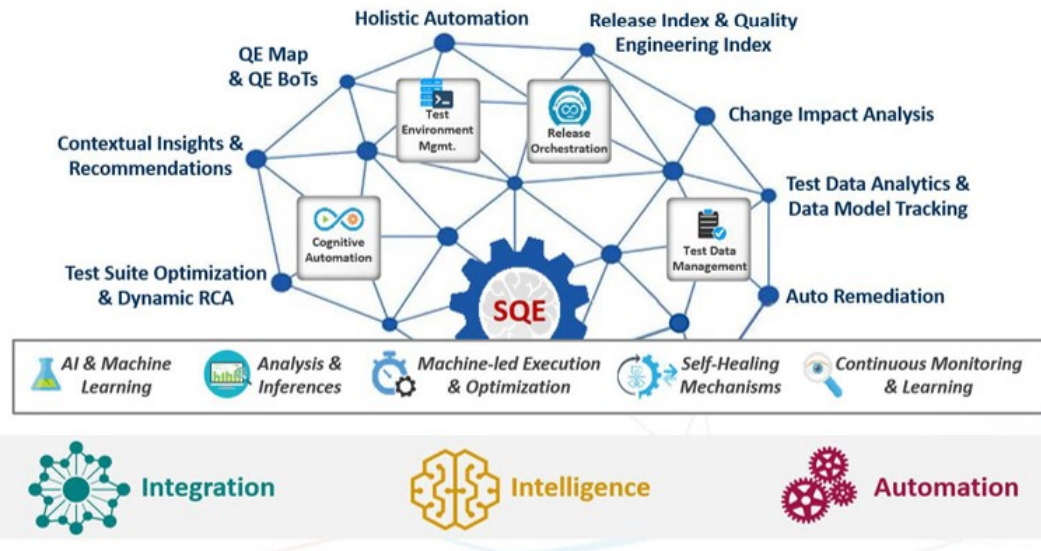
Smart Quality Engineering (Smart QE) is an industry-first platform that uses artificial intelligence (AI) to deliver quality engineering services. It is built on the principles of 'Integration, Intelligence and Automation'. The solution optimises the QE lifecycle by maximising automation in order to deliver contextual insights and actionable outcomes on a project. The platform does this through the following features:

COGNITIVE AUTOMATION: This enables the prediction of defects, test suite optimisation, identification of application hot spots and code traceability, and it also automates quality tests.

RELEASE ORCHESTRATION: This intuitive dashboard provides a change impact analysis on test scripts, and tool-agnostic pipeline services for continuous delivery.

TEST ENVIRONMENT MANAGEMENT (TEM): This orchestrates the effective and efficient provisioning and tracking of testing environments.

SMART QE | Interconnected Neurons to deliver accelerated Value



THE IMPACT

too big