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Technical Training Program for AI/ML Safety, Reliability, and Audit

1. Purpose and Objectives

This Technical Training Program establishes comprehensive upskilling requirements for developers and MLOps engineers to ensure AI/ML systems meet organizational standards for safety, reliability, and audit compliance. The program addresses critical gaps in technical competencies required for responsible AI development and operations.

1.1 Primary Objectives

- Establish minimum competency standards for AI/ML technical personnel across all development phases
- Ensure consistent application of safety and reliability practices across development teams
- Enable effective audit preparation and regulatory compliance through standardized skill validation
- Reduce operational risks through improved technical capabilities and standardized methodologies
- Create a sustainable framework for continuous learning and skill advancement aligned with industry evolution

1.2 Business Alignment

This program directly supports organizational objectives by:

- Mitigating technical risks that could impact system reliability, safety, and regulatory standing
- Ensuring compliance with emerging AI governance regulations including ISO 42001:2023 and NIST AI Risk Management Framework
- Improving audit readiness and reducing compliance costs through standardized competency demonstration
- Enhancing team productivity through standardized practices, tools, and shared knowledge base