

## **Abstract**

The definition or selection of standards that should apply to intelligent systems (ISs) is a crucial component of quality assurance, and standards play a significant role in regulating the quality of Intelligent Systems. Quality Measurements of Intelligent Systems (QMIS) can be defined in a specific context using the standards' framework. International intelligent systems standards are typically developed over an extended period of time, during which stakeholders gather, Intelligent Systems drafts for feedback, and ultimately reach a consensus on the standard. National and international organizations, including the IEEE, ANSI, BSI, NATO, and the U.S. Department of Defense, support standards creation. Intelligent systems are now in charge of many aspects of our modern lives and are considered a key factor in success or failure. One major issue that prevents organizations from successfully utilizing Intelligent Systems is the absence of standards and quality that determine the systems' effectiveness. Through research, induction, and analysis of prior studies and research, as well as analysis of global and common standards related to the quality of intelligent systems (QIS).

This study aims to determine the standards for measuring the quality of Intelligent Systems. The researcher reviews the key guidelines and practices that can be used to develop a framework for evaluating intelligent systems' quality requirements.

After defining each criterion and its significance in evaluating various intelligent systems within the framework of current international standards, these standards will be combined for overall quality (ISs). After that, it will be decided how each criterion affects quality standards.

To accomplish the research goal, first look for intelligent system standards before creating the suggested framework that will be used to test a selection of intelligent systems drawn from the worldwide system community. Organizations may efficiently measure system performance by comparing the framework with the standards of various systems thanks to its integration of qualitative and quantitative evaluation methodologies. This study emphasizes how crucial it is to include users in procedures for ongoing improvement to increase accountability and dedication to professional ethics. To arrive at a final conclusion for assessing the quality of intelligent systems and obtaining results and evaluations that assist users in their work on these systems, the framework ultimately seeks to improve the development and deployment of intelligent systems and guarantee that they satisfy the changing expectations of users and regulatory bodies in a global context.