

SILICON™-QT (Ver.1.6) – is part of the SILICON™ suite of eLearning Application suite offered by Sankhya. SILICON™-QT is an Authoring, Publishing, Delivery and Analysis product for administering online **Q**uestions and **T**est. This product is fully web based and can be run as an intranet or internet application and is best suited for even low bandwidth infrastructure. Complying with the IMS QTI Ver.1.2 specifications and the US Federal Rehabilitation Act Section 508, SILICON™-QT has virtually no comparable product in the market place in terms of features and technology. SILICON™-QT can be launched either independently or in combination with any of the AICC Level-3 or SCORM compliant Learning Management System (ex: SILICON™-LMS from Sankhya).

Features

- Excellent Authoring tool for creation of Question Bank
- Questions can be launched on any Hand Held Device
- Advanced ASP.net Security
- Assessment delivery system
- Assessment tracking
- Student Enrollment & Management
- Assessment Management
- Import or Export Standard Question Banks
- Graphical Report Generation
- Configurable Assessment types
- Open Architecture
- Fully browser based
- Cross browser compatibility (IE 6.0+ & Netscape 7.0+)

Benefit

SILICON™-QT has a number of benefits that directly contribute to the Return on Investment. Quick to author, launch and deliver assessment on any device, features help organizations to configure assessment needs at short notice at low costs and to conduct comprehensive analysis of the results using highly powerful graphic display systems. SILICON™-QT is an excellent tool for high performance assessment needs.





Technical Description

SILICON™ - QT Ver 1.6 is compliant to:

- IMS QTI Ver.1.2 specifications for Question and Test Interchange
- US Federal Rehabilitation Act Section 508

SILICON™ - QT Ver 1.6 functions for Test Administrators:

- **Participant Registration Module** has the features for easily registering several participants and conveniently classifying them into groups with "**Group Management**" functionality and batches with specified number of participants can be easily created and supervised.
- **Question Management System** – Using **Question Bank Authoring Wizard**, question banks having a variety of assessment types such as - true/false, yes / no, fill in the blanks, multiple choice, multiple response, drag & drop and image hot-spot can be easily authored. Questions can be easily added, modified and deleted through the wizard. Negative marks can be assigned for incorrect responses.
- **Assessment Management System - "Assessment Generation Tool"**, helps to build assessments based on several variables such as assessment title, duration, pass-score, fixed duration or open ended, with or without immediate feedback etc, for individual participants or for groups of participants.

Randomize Question Sequence Option and "**Shuffling**" option (Randomizing the sequence of responses for a single question, while creating the question) help to generate assessments with high degree of complexity including - Question responses in different order, Questions in different sequence, Random assessment selection, and a combination of above options.

- **Tracking System** - Administrator can check number of participants assigned to a particular assessment, number of participants passed / failed in the same. While the online assessment is going on, access to other windows applications can be disabled, so that the participant does not attempt to manipulate the questions or copy the same to other windows based applications.

- **MIS Reports** include printing the question paper with answers, report on individual participant's performance in an assessment, report on a group of participant's performance in an assessment, consolidated report on participants' performance in several assessments and participant's responses to individual questions etc.

SILICON™ - QT Ver 1.6 functions for Test Takers:

- **Assessment Launching Module** - Participant can launch assessments, using the login and password assigned to him by administrator and take part in the assessment. Features also include - easy navigation with "**Go To Question**" tool, choosing the most suitable response and "Saving" the response, provision to "Change" already attempted questions and update the same with a new response, instant feedback for the attended assessment etc.

System Requirements for Server:

1. **Minimum hardware requirements**
133 MHz Pentium Processor, 256 MB RAM, 50 MB disk space
2. **Operating System Requirements** - Microsoft Windows 2000 Professional / Server / Advanced Server with Service Pack 2.0 or Microsoft Windows 2003 Server
3. **Software Requirements** -
 - Microsoft .net Framework 1.1
 - Microsoft Data Access Components (MDAC) 2.7
 - Microsoft Internet Information Services (IIS) 5.0 / 6.0
 - Microsoft SQL Server 2000
 - IE Web Controls
 - Crystal Reports 9.x

Minimum System Requirements for Client

1. **Hardware Requirements**
Pentium Processor 90 MHz or faster
64 MB RAM
2. **Software Requirements**
IE 5.01+ or Netscape 7.0+

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