

## OKTest: Online Knowledge Test

OKTest is a generative dynamic testing system which allows designing and administering of on-line and off-line tests. The OKTest Solution caters for the complete testing life cycle from creation of question bank, test papers to test administration and reporting for assessment. This is a web based application that can be accessed on internet or intranet. With this application, tests can be taken for any grade, any subject, and any time at any place. OKTest improves and eases student assessment process for the institution.

This system is equipped with a combination of tools to assist teachers/educators in creation of formatted tests. OKTest authenticates the candidate's identity, administers a test, evaluates the candidate's answers and keeps a record of the candidate's scores. The system also provides facilities for question analysis. There are provisions for computing statistical indices for individual questions, based on data from tests administered. These indices can be used for question evaluation and improvement

## Business Values

- Efficient online testing with automated scoring and analysis
- Allows tracking student progress using data analysis
- Reduced processing delays due to handoffs, document transportation and the speed of test paper handling
- Assist management decisions by providing better management reporting on the processing and status of complete testing cycle
- Streamlined and formal database administration, maintenance and version control
- Identifies and addresses the needs and challenges of specific students, and grades group
- Allows performing statistical and historical analysis from capture and metrics data

## Key Benefits

- Capture, gather, and analyze aggregated data over the course of the year to determine student progress relative to curriculum goals and standards i.e. to determine students strength and weakness at the beginning, during and conclusion of the semester/course
- Capture and track metrics data from year to year for statistical and historical analysis
- Identify and address the needs and challenges of specific districts, schools and grades group
- Provide better service for students through comprehensive access to all pertinent test information and history
- Reduce processing delays due to handoffs, document transportation and the speed of test paper handling
- Control and adapt teaching and learning process better through up-to-date knowledge till testing cycle end
- Assist management decisions by providing better management reporting on the processing and status of complete testing cycle
- Provide secured remote access using web browser



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## Key Features

### ■ In-built question database:

It allows creating question bank using question templates available. Questions can be created and uploaded to the database. The list of questions is available and can also be searched using the search option.

### ■ Automated test creation:

OKTest allows creating customised tests. Tests can be created by the question moderator and mapped to test papers. The published tests can be allocated to students with time and date.

### ■ Centralized administrator controls:

OKTest has complete centralized control of operations for all network systems including installation, configuration, monitoring, updating, and reports. It simplifies management of users via role-based management of user groups across entire network

### ■ Result generation:

The application has the capability to evaluate tests and generate results. The application matches the answers with the database answer to generate the test scores.

### ■ Web based application:

Being a thin-client application, it enables taking online and offline tests. With application server located at one location, tests can be conducted at remote places easily and efficiently.

## Modules

### ■ Question Bank Module:

This module allows creating Question Templates and adding questions to the question bank. Tags can be added to define the question. Further, questions can be mapped to grade level. OKTest provides for Rich GUI for content edition and allows to create dynamic question involving images, icons, super & sub scripts.

### ■ Question Paper Module:

The module provides rich GUI for Test Templates to Create Question Papers. Tests can be mapped to grades. Moderator can assign questions to Test Papers and assign Time to tests.

### ■ Test Module:

Tests are assigned to candidates with allocation of date and time. Administrator can customize look and feel of the tests. These tests are controlled at central level.

### ■ Result Module:

After submission of completed tests, OKTest evaluates papers and generate detailed results.