

## Introduction of OneX

OneX is a robust assessment / examination management tool that empowers institutions to harness the power of technology to conduct assessment and examinations, OneX helps to evaluate performance and facilitates instant feedback or reports.

OneX is the answer to the growing demand to conduct external, internal, interim or post assessments at the shortest notice with utmost efficiency.

**The following are the features of OneX:**

→ Development of Questions Repository	→ Author the Questions
→ Question Types	→ Designing Test / Examination
→ Students Registration	→ Delivering Test / Examination
→ Data Security	→ Avoid Impersonation
→ Results / Reporting	

OneX can be deployed online or in LAN, this facilitates institutions to generate personalised questions repository and helps them to organise examinations, quizzes, tests, conduct assessments and view the results through different report types and quickly declare results.

This system is easy to use and a cost-effective tool. It allows the conduct of examinations, tests or assessments for a large number of students with minimal effort and cost.

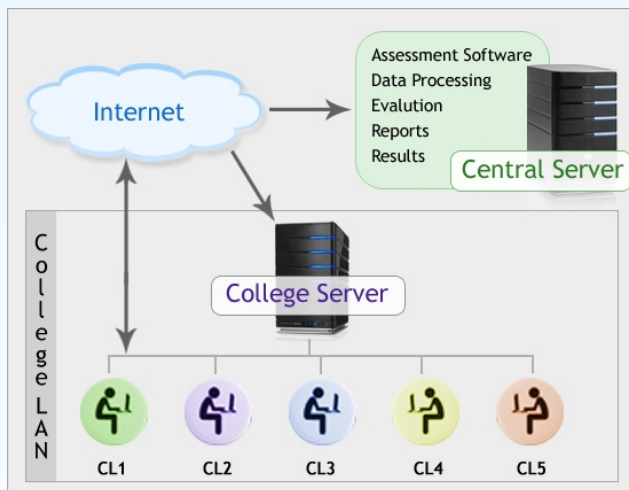
## OneX Services

### Managed service

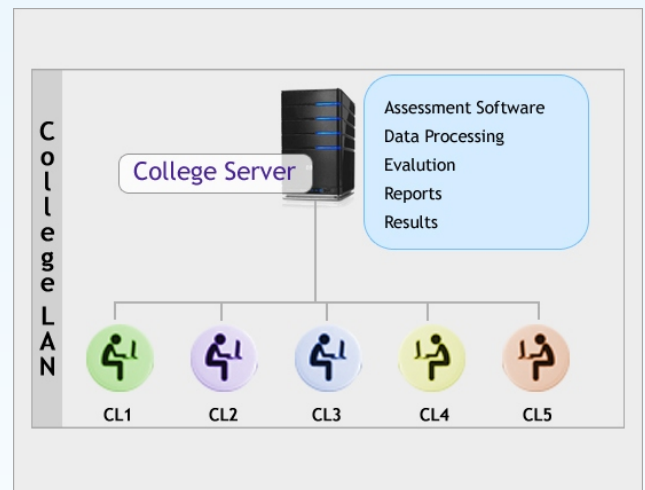
End-to-end examination management right from the conduct of examinations to declaring results. This will be done by us

### Pay per - test or examination / per student model

OneX is available online or LAN based to institutions for all their examination or test needs and is renewable every year and they may use it as per their requirements.



**OneX Architecture - WEB**



**OneX Architecture - LAN**

## Features of OneX - Detailed

### Developing Questions Repository

- ❖ Author the questions
- ❖ Add / edit / delete questions
- ❖ Create your own questions with customised feedback, marks and define difficulty level
- ❖ Select the appropriate question type from 8 different question types
- ❖ Embed multimedia files like audio, video and animations to the question.
- ❖ Organise questions based on category / subject / topic / marks.

### Question types

- ❖ Fill in the blanks
- ❖ Multiple choice (single correct option)
- ❖ Multiple choice (multiple correct option)
- ❖ True or false
- ❖ Case study
- ❖ Match the following spoken response
- ❖ Descriptive questions

### Student Registration

- ❖ OneX enables enrolment of students
- ❖ Provision to connect students with their respective test centres
- ❖ Enrolled students will be authenticated before they are provided access to the examination

### Data security

- ❖ Critical data is encrypted to ensure it is tamper proof at all the stages.

### Avoid Impersonation

- ❖ Provision to display the student's photograph and registration details as a constant factor throughout the examination or test
- ❖ Biometric authentication of all the students entering the exam hall can be administered to avoid impersonation (Value Added Service)

### Designing Tests / Examinations

- ❖ Institutions can select questions from the question bank based on requirement
- ❖ Define examination or test: max time, max marks, number of questions category wise
- ❖ Select questions to be picked randomly from the question bank to ensure that each student gets a different question paper, or opt for jumbling of question sequence of selected questions
- ❖ Students log in with Hall Ticket id or user name and password to take the test
- ❖ Questions are delivered through the PC to the authorised students (browser-based) that is connected to the server
- ❖ Clear instructions and easy navigation facilitates ease use for students
- ❖ Tracks the time consumed and the time remaining for each student to help students manage time
- ❖ In case of any unforeseen interruption like power failure, students can start from the question that they have last attempted and their responses to the earlier questions are retained

### Results / Reporting

- ❖ On completion of the examination, the answers are stored in the database of the local server
- ❖ Data is uploaded to the central server through the Internet or by taking backup in secure mode
- ❖ Authorised persons alone will have access to this data through the OneX framework
- ❖ Answer scripts of students can be stored along with the scores achieved for future reference in HTML format as soft copies
- ❖ Results are compiled and can be published on the web site after approval by authorised persons

### OneX Advantages to Institutions

- ❖ Easy and user friendly framework for students, institutions or examination body; also necessary training will be provided to nominated subject matter experts, faculty and the technical team to use OneX effectively
- ❖ If the institution or the examination body decides to outsource the examination work, we can provide end-to-end execution service
- ❖ It is easy to use the framework. If the institution wishes to outsource the responsibility of execution, Globarena will be glad to provide end-to-end execution services
- ❖ Fair conduct of the examination by eliminating paper leakage, malpractice and impersonation
- ❖ Questions repository option helps to add, edit or delete questions based on subject, topic, difficulty level and marks - this will empower the institution to randomly conduct personalised examinations or Tests (internal/ external), quizzes and self assessments
- ❖ Secure and automated evaluation to eliminate unauthorised usage
- ❖ Automation of administrative processes minimises manual intervention and is paperless Backup of results and user data for future reference is taken

### Usage of Onex to Institutions

- ❖ Entrance examinations
- ❖ Internal examinations
- ❖ Terminal examinations
- ❖ Quizzes
- ❖ Tests for self assessment

### System Requirements

#### SERVER

- ❖ P IV or above
- ❖ Sound card
- ❖ Windows 2000/2003 or Linux Server
- ❖ 2GB RAM
- ❖ Java JDK 1.5 / Springs 2.5 / Hybernet 3.0 / Struts 1.2
- ❖ Apache Tomcat 6.0 Web server
- ❖ MySQL5.0 database
- ❖ 5 GB free space in C drive
- ❖ HDD: 160GB

#### CLIENT

- ❖ P/IV or above
- ❖ Sound card
- ❖ 1 GB MB RAM
- ❖ With headphone (mike)
- ❖ Windows 2000 / XP
- ❖ Computers to be in LAN
- ❖ Antivirus Software installed
- ❖ IE 6.0 or above
- ❖ HDD: 40GB

**ENSURE THAT THE SYSTEMS ARE FREE FROM VIRUS**