

E-TESTER

E-Tester provides a web-based platform independent online e-learning solution which can be deployed on a server and can be accessed by various users through the Internet or through the Intranet if used in a single location. E-Tester is very robust and entirely customizable according to the user's need. This product reflects the drive of the company to provide the users with a very dynamic user environment where all the aspects of learning are taken care. A highly robust CMS supports the user interface with enhanced features like multilevel course creation, facility of bulk uploads etc. Blogs, Forums, bookmarks are some of the advanced features that have been incorporated in this product.

ENHANCED ADMIN CONTROL

- ✍ Content Management
- ✍ Multi-level course creation
- ✍ Addition of Learning objects.
- ✍ Creation of question bank
- ✍ Facility of bulk uploads of contents (Test, Audio, Video etc.)
- ✍ User Management
- ✍ Administrative module (User creation, Passwords, Course Management etc)
- ✍ Role based access for read / writes / modify

The screenshot shows a web application interface for 'Material Management'. The browser address bar displays 'http://localhost:8080/etestester/start.do'. The interface includes a navigation menu with 'User Role', 'Material', 'Assign', and 'Manage Test'. Below the menu, there is a section titled 'Material Management' with a prompt 'Select a Product to start navigation'. The main content area is divided into four columns: PRODUCT, SUBJECT, TOPIC, and MATERIAL. Each column contains a list of items and a set of action icons (add, edit, delete, and a vertical line icon). Callouts point to these icons: 'Edit Subject' points to the edit icon in the SUBJECT column; 'Add Product' points to the add icon in the PRODUCT column; 'Add Test' points to the add icon in the PRODUCT column; 'Cancel Topic' points to the delete icon in the TOPIC column; and 'Add Question' points to the 'Q' icon in the TOPIC column.

PRODUCT	SUBJECT	TOPIC	MATERIAL
mca	Finance	Topic1	Material1
vaibhav MISHRA	Marketing1	Topic2	Material2
abc1232 gvg	Human Resource	Topic3	Material3
dfbhbsfdbn	Data Modeling	Topic4	
M B A	HH	Topic5	
p7		Topic6	
P10		Topic7	
P11			
P12			
P13			
drfbsb			
QProduct			
vaibhav shukla			
Q1			

DYNAMIC USER ENVIRONMENT

- ✍ Learning Management (Anytime & Anywhere Learning).
- ✍ Competency Management (Online Assessments / Tests / Examinations)
- ✍ Self assessments using practice tests.
- ✍ Performance Management
- ✍ Reports (Attendance, Progress, assessment etc)
- ✍ Digital Library (For download / review purpose).
- ✍ Virtual Classroom

The screenshot displays a test interface with several callouts pointing to specific features:

- Section-wise Division:** Points to the 'Section I' and 'Section II' tabs at the top of the question list.
- Collapsible Answer sheet for more clarity:** Points to the 'Answer Sheet' tab on the right side of the interface.
- Help & Time-line Controls:** Points to the top right corner containing 'Directions | Remaining Time | 00:59:54 | Hide | Pause'.
- Section-wise Answer sheets:** Points to the grid of questions and answer options, which is organized into 'Section I' and 'Section II'.
- Various View Modes:** Points to the 'Default View' button at the bottom of the interface.
- Facility to Save, Submit the test:** Points to the 'Submit' and 'Save' buttons at the bottom right of the interface.

The interface shows a list of multiple-choice questions (Q6, Q7, Q8, Q9) on the left and a corresponding answer sheet grid on the right. The answer sheet grid has columns for 'Star', '1', '2', '3', '4', and 'Clear', and rows for questions 1 through 16. The bottom of the interface includes a 'Done' button, a status bar with 'Internet | Protected Mode: On', and a zoom level of '100%'.

ADMIN MODULES

User Management

Multiple roles - Users can have different roles like administrator, examinee, evaluator, auditor, system administrator etc.

Role based menu - Every user who have different roles will have different privileges and available menus. Administrator will have the facility to modify privileges for any user.

Create users - Complete user management application is incorporated in the e-tester application. The admin can create a new user and define its roles and privileges. Furthermore; the admin can modify and delete a user also. This application incorporates the summary page facility with search and filter.

Learning Material Management

Create/Manage Category/Subject/Course/chapters – A test or question may belong to one the following; a category, subject, course, chapter or it may be a generic type. The Admin Module has features to create and manage chapters, subjects and courses and even creation of a new category altogether.

In current scenario chapter is the maximum level of normalisation. A chapter belongs to a subject and subject belongs to course (e.g. If MBA is a course then HR is a subject and compensation can be a chapter).

Test Management

Define Test - Admin can create and define a test and its parameters like number of questions, passing score, number or percentage, bracket of different (intermediate/beginners/expert) levels of questions etc. Here admin can also define test activation date and date range during which test will be activated.

Manage Test - Admin can activate, deactivate and redefine the test and its parameters.

Test Summary - Admin can view the status of all the defined tests, like test activation status and period, number of questions defined for test and number of question assigned to the test for both overall and level wise questions, also whether test is ready to be active or not.

Create questions - Admin can create a question and define its parameters like score attached to the question, type of question, level of questions, and whether question is a generic one or attached to a course/subject/chapter.

View questions – Admin and view all questions and can filter result by question type/level/grade etc.

Assigned questions to test – Admin can assign one or multiple questions to a test.

Assign test to user – To conduct a test multiple user will be assigned to a test.

Password generation and auto email sending options to user – Once users are attached to the test, admin can send user's credentials and other important test information like URL, time and locations etc.

Examinee Module

Credential / e-hall ticket – User/examinee needs to enter correct credentials. Upon successful login the examinee will navigate to test start page. Here after reading or skipping the test guideline the examinee can start the test.

Login possible on test time only - Examinee can login to a test in pre-defined time only.

One time login - Examinee can be login/enter to a test only once, ensure accomplishment of requirement of physical test.

Different examinee different question paper –For a particular test and same venue different examinee will have questions in different serial. Furthermore; for a question the order of options will be different.

Evaluator Module

Evaluator can evaluate the answer of the subjective type questions and can mark score against it, which will automatically be added to the final score of user.

Learning Module

Online Learning – In this module the user will have access to all the material pertaining to a topic. The user will have the facility to download certain materials on a topic.

Notes – The users can save and retrieve notes on each individual topic or slides.

Blogs and Forums – Students can directly interact with their professors and other fellow students on various topics.

FEATURE LIST

Functional Features

MATERIAL

Multiple format file upload – The basic version of the application supports the following formats –

- ✍ MS Excel
- ✍ Office 2007 formats
- ✍ PDF
- ✍ Images
- ✍ Videos
- ✍ Flash Content

Support for more formats can be provided as per the requirement.

QUESTIONS

All operations related to question viz. addition, deletion and editing are using a Rich Text Editor, enabling multiple image and other MS Word similar activities.

Multiple level of questions - There are three levels of questions

- ✍ Intermediate
- ✍ Beginners
- ✍ Expert

Furthermore, the above can be modified to more questions levels.

Multiple type of questions - There are four question types

- ✍ Single/multiple choice
- ✍ Subjective
- ✍ Comprehensive/paragraph based
- ✍ Linked

Furthermore, the above can be modified to more questions types.

Multiple grades of questions - Admin can assign different values to different questions.

Multiple images in a question - A question can have multiple images in question itself or in options of question. Also the images can be placed on the required/desired positions in the questions output page.

Mass question upload - Mass upload of questions using MS Excel files.

TEST/EXAMINATION

Various types of tests – Admin can define test/questions to be of the following types

- ✍ Subject wise
- ✍ Full length
- ✍ Combined full length test of multiple courses (e.g. Entrance Tests)
- ✍ Practice

Complete Randomness- Random output in both question sequence and options of a question.

Security Features

Role based privileges - Different users will have different roles, and every role have different privileges, makes this application safeguard to misuse by unauthorized person.

Database Persistency - Ensure persist database and guarantee data synchronization as desire.

Data backup and restore - To tale data backup and restore is a complex task and required good understanding of SQL, E-tester application offers data backup and restore on a click only make it operational even for computer illiterate person.

Special Features

Auto suggest - We have used auto suggest in place of drop-down for efficient and faster operation in addition to pleasant look and feel.

Smart pick list - Even though all account pick list fetches from a one database table in all the cases. The final list (output on the screen) contains

Multi format reporting - Same report in MS-Excel, PDFs, MS-Word and text formats and above all Fusion **Chart**.

AJAX based - The page does not refreshes upon any activity gives user a feel of seamless operation.

ADVANCED FEATURES

- ✍ Blog/Forum
- ✍ Search, notes, assignments & bookmarks
- ✍ Groups & teams with document sharing, e-mail, self correcting tests with instructor comments & link to related topics.
- ✍ Announcement Board, Online help
- ✍ Registering request for help and reply by appropriate domain expert (Subject Matter Experts)

Subject wise test - Economics

Report Card

Test Details		Test Time Details		Test Composition	
Test Name	Economics	Date	05/05/2009	Beginner	35
Number Of Questions	50	Test Start - Test End Time	20:28 - 20:29	Intermediate	10
Allocated Time	60 min	Total Time Taken	1	Expert	5
Attempt No	1	Test Taken In	Multiple Session	Total Question	50

Standing		Accuracy Analysis			Time Utilisation		
Total Student	3	My Score	Max Score	Min Score	Time Taken	1	
Rank	1	Correct	16	16	0	Time/Question	0.02
Percentile	100.00%	Incorrect	34	34	5	Time Utilisation	32.0 %
My Score	16.0	Not Attempted	0	0	45	Time Taken Max	1
Max Score / Min Score	16.00 / 0.00	Accuracy	32%	32%	0%	Time Taken Min	0

Graphical Analysis

Student distribution/ Percentile Analysis

Attemptwise performance chart

Test positive/negative chart

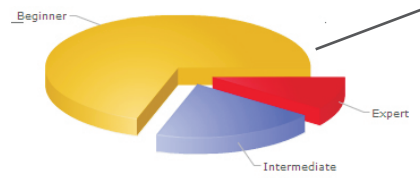
Test difficulty level Analysis

Accuracy Analysis

View top 50 Ranker

Difficulty Level

(Click to slice out or right click to choose rotation mode)



Q No	Star	Question	Level	Time Spent	Correct/Wrong Answer	Solution	Ask a Doubt
1	☆	Which of the following is not an assumpt...	Beginners	0:00:04	✘	solution	Ask a Doubt
2	☆	Which of the factor is responsible for t...	Beginners	0:00:00	✔	solution	Ask a Doubt

Statistical Representation of Score Card

Graphical Representation of Score Card

Facility to Store for Future Reference

Online Help

Online Help

“E-Tester has 3-tier architecture with a web server, application server and database server. E-Tester can be installed at a central level. All the users can then access the application through the Internet through web browser based on the user access level requirement.”

For more information

206, Time Tower, M.G Road, Gurgaon – 122 002, Haryana, India
 Mobile No: - +91 (0) 9953 621 000, Tel - +91 (124) 4680 800, Fax - +91 (124) 4680 810, sales@qonta.com