HILINKS NETWORK SOLUTIONS LTD.

Computer Based Test Application

Secure and Scalable Online Examination Platform

A complete digital assessment platform for academic examinations, recruitment tests, professional certifications, aptitude tests, and large-scale assessments.

Secure Exams. Faster Results. Smarter Assessments.

CBT Application Overview

The Hilinks Network Solutions Ltd. Computer Based Test Application is a comprehensive, secure, and scalable digital examination platform designed to help educational institutions, recruitment agencies, professional bodies, government organizations, training centres, and enterprises conduct assessments electronically.

The platform simplifies the complete examination lifecycle - from candidate registration and question-bank preparation to scheduling, test delivery, real-time monitoring, automated grading, result generation, analytics, and certificate issuance.

It is suitable for both small internal assessments and large-scale examinations involving hundreds or thousands of candidates.

One platform for question management, candidate registration, secure test delivery, monitoring, grading, results, analytics, and certificates.

Complete Digital Examination Management

Use the system for academic exams, entrance tests, recruitment aptitude tests, staff promotion exams, certification tests, training assessments, scholarship exams, mock exams, competency assessments, licensing exams, and internal evaluations.

Online Test Creation & Scheduling

Configure examination title, subject, instructions, date, start and closing time, duration, eligibility, number of questions, passing score, attempt limits, result-release settings, randomization, and security rules.

Question Bank Management

Organize questions by subject, course, category, topic, difficulty level, academic level, question group, and examination type.

Questions can be reused across different assessments where permitted.

Multiple Question Formats

Support multiple-choice, multiple-answer, true/false, yes/no, fill-in-the-blank, short-answer, essay, matching, image-based, and passage-based questions.

Candidate Registration & Authentication

Register candidates individually or in bulk with names, candidate numbers, contact details, photographs, departments, classes, examination categories, and credentials.

Authentication options can include passwords, PINs, OTPs, email/SMS verification, QR codes, smart ID cards, biometrics, and examination access codes.

Secure Examination Interface

Provide a focused examination screen with candidate details, countdown timer, question number, answer options, navigation controls, question palette, answer status, flagged questions, and submission controls.

Examination Timer & Auto-Submission

Display a real-time countdown timer and automatically submit the candidate's answers when the configured examination time expires.

Save, Skip, Previous & Review

Automatically save answers, allow candidates to skip or return to questions where permitted, navigate to previous questions, and flag uncertain questions for later review.

Question Navigation Palette

Show the status of answered, unanswered, current, skipped, and flagged questions so candidates can clearly track examination progress.

Automated Grading & Instant Results

Grade objective questions automatically and calculate correct answers, incorrect answers, unanswered questions, total score, percentage, grade, and pass/fail status.

Results can be released instantly, scheduled for later, held for moderation, sent by email/SMS, or published through the candidate portal.

Essay & Manual Grading

Allow authorized examiners to review subjective responses, assign marks, add comments, and combine manually graded scores with objective results.

Result Management

View candidate name, number, examination, score, percentage, grade, pass/fail status, attempt date, duration, and result status from a centralized dashboard.

Examination Analytics

Analyze candidate count, completion, pass rate, failure rate, average score, highest and lowest scores, score distribution, question difficulty, subject performance, and completion time patterns.

Question Performance Analysis

Identify questions most often answered correctly or incorrectly, frequently skipped questions, unusually difficult questions, and potentially ambiguous items.

Real-Time Examination Monitoring

Monitor candidates currently online, candidates who started or completed, disconnected candidates, time remaining, progress, suspicious events, and active sessions.

Anti-Cheating & Examination Security

Use configurable controls such as question randomization, answer-option randomization, unique sessions, timeout, automatic logout, access restrictions, attempt limits, IP monitoring, device tracking, fullscreen mode, copy/paste restrictions, right-click restrictions, tab-switch detection, window-focus monitoring, and access codes.

Fullscreen & Browser Activity Monitoring

Detect fullscreen exits, tab changes, page refreshes, application switching, and repeated disconnections. Events can be logged, warned, reported, or used to terminate an exam based on configured rules.

Camera Monitoring & Identity Verification

Where legally and institutionally appropriate, support candidate presence checks, remote proctoring, periodic image capture, smart-card verification, QR verification, biometric verification, or camera-assisted identity verification.

Examination Access Control

Restrict access by candidate eligibility, date, time, group, department, class, location, access code, IP address, or approved device.

Multiple Sessions & Candidate Allocation

Divide large assessments into morning, afternoon, evening, or batch-based sessions and allocate candidates according to centre capacity and operational needs.

Random Question Selection

Select a configured number of questions randomly from a larger question bank so different candidates may receive different question combinations.

Candidate Attempt Management

Configure single attempts, multiple attempts, unlimited practice attempts, or attempts within a specified period while maintaining full attempt history.

Practice & Mock Examination Mode

Create practice tests that simulate the live CBT environment without affecting official results.

Certificate Generation & Verification

Generate certificates containing candidate name, examination title, score, grade, date, certificate number, organization details, signatures, verification code, and QR code.

Provide verification using certificate number, QR code, or other supported validation methods.

Examination Reports & Result Export

Generate candidate result, examination summary, pass/fail, score distribution, attendance, session, question analysis, subject performance, department performance, attempt history, and security incident reports.

Export results to PDF, Excel, CSV, or printable formats where required.

Multi-Device Accessibility

Support desktops, laptops, tablets, and supported smartphones, while allowing institutions to restrict high-security exams to approved devices.

Examination Centre & Seat Management

Manage centres, computer laboratories, rooms, seat allocation, candidate allocation, invigilators, session schedules, and centre capacity.

Invigilator & Incident Management

Assign invigilators to examinations, centres, rooms, or sessions and allow restricted access to candidate verification, monitoring, and incident reporting.

Record misconduct, technical problems, authentication issues, device failures, network interruptions, suspected cheating, illness, and other examination incidents.

User Roles & Permissions

Support roles such as Super Administrator, Examination Administrator, Examination Officer, Question Setter, Moderator, Examiner, Invigilator, Institution Administrator, and Candidate.

Question Approval & Moderation Workflow

Allow question setters, reviewers, moderators, and examination administrators to review accuracy, correct answers, marks, duration, instructions, candidate eligibility, and security settings before publication.

Audit Trail & Activity Logs

Maintain records of user logins, question creation and editing, examination changes, candidate registration, result changes, certificate generation, permission changes, and security events.

Data Security

Support secure authentication, role-based permissions, encrypted communications, secure sessions, password policies, activity logging, backups, controlled administrative access, and secure deployment.

Cloud & Local Network Deployment

Deploy securely in the cloud for multi-location access or within a controlled local network where internet reliability is limited and local infrastructure is preferred.

Scalable Examination Infrastructure

Scale from classroom tests to school-wide assessments, university exams, recruitment exercises, professional certification exams, and other large institutional assessments based on deployed infrastructure.

Integration Capability

Integrate with school management systems, learning management systems, HR systems, recruitment platforms, payment gateways, student databases, identity systems, email/SMS services, certificate verification systems, and external APIs.

Payment Integration

Support paid registration, examination access, certificate issuance, or result access, with payment status linked to candidate eligibility where required.

SMS & Email Notifications

Notify candidates about registration confirmation, schedules, reminders, centres, credentials, results, certificate availability, and important announcements.

Candidate Portal

Give candidates access to upcoming examinations, instructions, examination history, results, certificates, notifications, personal information, and practice tests.

Administrator Dashboard

Display total candidates, examinations, active and scheduled tests, completion status, participation, average scores, pass rates, failures, certificates issued, and security events.

Major Benefits

Eliminates Paper-Based Examination Challenges

Reduces dependence on printed question papers, answer sheets, manual distribution, and physical storage.

Faster Result Processing

Objective examinations can be graded immediately after submission.

Reduced Operational Costs

Helps reduce printing, photocopying, storage, transportation, and manual marking costs.

Improved Examination Integrity

Authentication, monitoring, randomization, and security controls help reduce malpractice.

Consistent Examination Standards

All candidates follow the same configured timing, scoring, and assessment rules.

Large-Scale Examination Capability

Supports large candidate populations when deployed on suitable infrastructure.

Better Examination Analytics

Provides insights into candidate performance, question quality, pass rates, and trends.

Improved Candidate Experience

Provides a modern, organized, and straightforward assessment interface.

Reduced Administrative Workload

Automates registration, grading, result compilation, reporting, and certificate preparation.

Greater Transparency

Digital records provide better visibility into attempts, scores, activity, and administrative actions.

Faster Certificate Issuance

Successful candidates can receive digitally generated certificates promptly.

Supports Remote & Physical Exams

Can support controlled CBT centres or remote assessments where organizational policy permits.

Ideal For

- Primary and secondary schools
- Colleges, polytechnics and universities
- Professional examination bodies
- Recruitment agencies
- Government ministries and agencies
- Private companies and financial institutions
- Training centres and professional institutes
- Certification organizations
- Scholarship bodies
- NGOs
- Military and paramilitary recruitment exercises
- Staff promotion examinations
- Employee competency assessments
- Licensing organizations
- CBT examination centres

Why Choose the Hilinks CBT Application?

The Hilinks Computer Based Test Application is designed as more than a simple online quiz platform. It provides a complete digital examination infrastructure covering candidate registration, question management, scheduling, test delivery, authentication, security monitoring, grading, result processing, reporting, analytics, certificate generation, candidate portals, and examination centre management.

Built for Secure Digital Assessments

Examinations require trust, accuracy, consistency, and security. The Hilinks CBT Application combines automation with candidate authentication, activity monitoring, controlled access, question randomization, and structured reporting to create a more reliable assessment environment.

Built for Growth

As examination requirements grow, the platform can support more candidates, institutions, centres, subjects, question banks, user roles, examination formats, integrations, analytics, and enhanced security tools.

Transform the Examination Experience

The Hilinks Network Solutions Ltd. CBT Application provides the digital infrastructure needed to conduct examinations faster, more securely, and more efficiently.

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