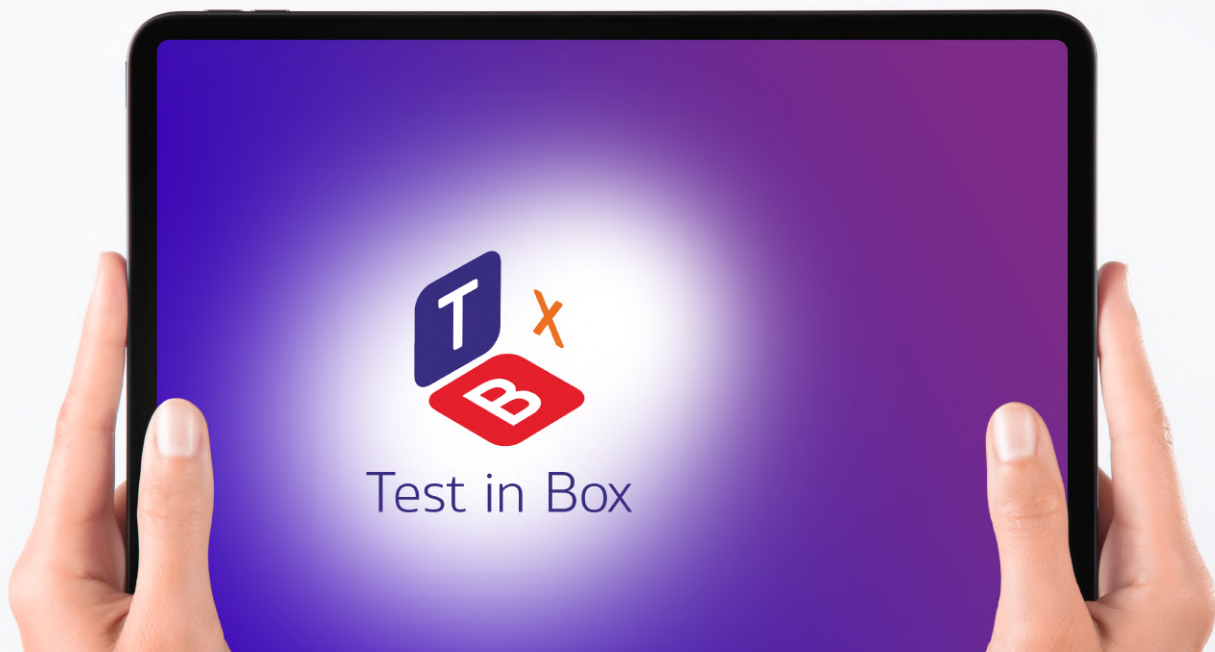# Tablet Based Exam Solution (TBX)

NSEIT DEX's solution enables its customers to conduct exams on the move...anytime, anywhere

NSEIT DEX launched its innovative tablet-based examination solutions by conducting exams for the Insurance sector in remote locations which were not easily accessible in terms of technology and had issues with IT infrastructure or there was non-availability of suitable computer test centers - this proved to be a huge success.

During the Covid-19 pandemic, NSEIT DEX helped various state government bodies to conduct their exams using TBX to reduce the inconvenience of candidates having to travel long distances as well to address the issues of social distancing & enable candidates to take the computer based online exams in locations/cities where computer IT infrastructure availability is an issue. This therefore has solved the logistics issue in cities and locations where internet connectivity is a problem or where suitable computer test venues are not available.

Key Features

- Secure exam application & hack-proof content.
- OTA provision & One touch system.
- Zero dependencies on IT infrastructure or computerized test venues-Exams can be conducted outdoors, at make shift venues, or even in regular classrooms.
- Decentralized local server.
- Robust authentication & encrypted communication.

Solution

The TBX solution involves a two-tier application structure designed to enhance both usability and security. Security checks contents pre-registration of devices so that exams can be happened on authenticated devices only.

The solution focuses on:

Installation Status Checks
Verifies that all necessary components are properly installed on the device.

Device ID Verification
Ensures that the exam is taken on a pre-registered device.

Full-Screen Mode Activation
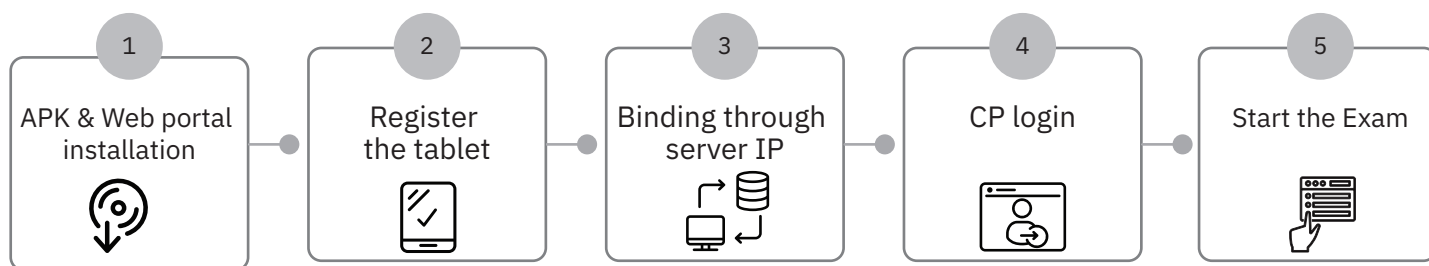To prevent access to other device functionalities during an exam.

Cross-Platform
To support various Android and iOS platforms.

Benefits

✓ Ease of conducting exams anytime, anywhere.

✓ Overcomes logistics and infrastructure issues at remote centers.

✓ Diverse applicability across government organizations, universities, educational institutes, as well as large corporates.

Process Flow

1	2	3	4	5
APK & Web portal installation	Register the tablet	Binding through server IP	CP login	Start the Exam

Future enhancements will focus on integrating artificial intelligence to detect and react to anomalies during exams, such as attempts to access unauthorized material or abnormal user behavior. With ongoing enhancements and increased adoption, TBX is expected to set new standards in exam security, offering reliable, scalable, and user-friendly solutions for educational institutions worldwide. With zero dependencies on IT infrastructure or computerized test venues-exams can be conducted outdoors, at make shift venues, or even in regular classrooms.