

Drill-Computer Based Test for DAMS Delhi Pvt. Ltd.

Background

Dams Delhi is one of the top most coaching institutes in India for the PG medical entrance examinations like NEET, AIIMS, PGI, UPSC, DNB & MCI screening. DAMS provide specialized courses which are designed by experts in the respective fields lead by Dr. Sumer Sethi, a radiologist and pervious topper in AIPG/ AIIMS. With more than 20,000 registered students in various courses, Dams Delhi is the leader in market for the preparation of PG entrance examination.

Delhi Academy of Medical Sciences is known as the most specialized institution of its type in the country, performing consistently at high levels and has acquired the rare distinction of achieving the highest success-rate in the PG Medical Entrance Exam.

Ginger Webs is providing its services to DAMS since 2009.

Challenge

The groundbreaking goal in the first year of computer-based administration was to deliver “All India Centre Based Test” for more than 10,000 students at 43 Centers in 27 Cities throughout India in 1 day.

As only a narrow window of time was available before the test had to be offered, program planning and design had to be careful, detailed and speedily implemented. Since this program was newly transitioning to computer, there was no existing testing infrastructure in place to make this an easy task. The team would need to consider every detail, from registration and scheduling to test center recruitment, site readiness and security.

Strategy

The team needed to ensure a number of things for the successful delivery:

- + The exam would need to be available to everyone who wished to take it, regardless of logistical challenges.
- + The exam would be offered on one day across the whole country with 2 sessions making the test more accessible and flexible.
- + A chain of events would need to be created to identify candidates throughout their exam lifecycle.
- + Management of candidate applications online would maintain the integrity of the exam by electronically capturing all necessary demographic and candidate profile data. With online scheduling, candidates would use a unique identification number to specify not only a convenient testing location, but also a preferred date and time.



Solution

Candidates were required to have a voucher, with a unique identifier, in order to register for the exam. By early June, nearly 10,000 specially prepared vouchers, each featuring a serial number and Drill-CBT Features.

At the request of the DAMS, 27 cities were identified to offer one or more testing locations. This led to the establishment of 43 test centers, all located with nearly 5,000 computers. ID verification and sign-in procedures were used to identify the candidates.

Ginger Webs designed a physical candidate flow and check-in procedure that was tested extensively in computer labs prior to the first day of testing. The exam was also load-tested to ensure that the system could support more than 10,000 tests in a 1 day period. These simulated testing flows and conditions were used to produce all final training materials and procedure manuals for the test center staff that that would be on site during the exams.

Together with a local partner, Ginger Webs trained over 40 proctors, technical support and test center staff. These trained technicians set up the 43 venues in which staff was trained on installing and managing the test delivery software, requirements for proper site set up and proper hardware and software configuration. In addition, a proctor training and certification program was designed around two key areas: 1) policy, security and managing the test center flow of candidates with a strong emphasis on protecting the test and keeping the test environment secure; and 2) Some of the security measures employed by Ginger Webs for the PG Entrance were designed to protect content while others were designed to validate student identities. To ensure that content exposure was minimized; Ginger Webs established a series of unique exam launch codes and provided these to test center staff just prior to each testing session. Without these session-specific codes, the exam could not be launched on any computer. For physical security, each test lab had two security check points manned by guards, each candidate was physically examined for materials prohibited from the testing labs, candidates' IDs were checked and images captured.

Outcome

In September 2013, Ginger Webs has successfully conducted "All India Centre Based Test" for more than 10,000 students at 43 Centers in 27 Cities of India and published the results on DAMS website within a week time.

About Ginger Webs Pvt. Ltd

Established in 2008 by a group of highly creative, innovative and competent IT professionals dedicated in developing and designing unique and advanced software products and services.



The company is based in the capital city of Delhi, offering excellent working environment to its employees. Ginger Webs has gained a reputation in the market of a company constantly contemplating to explore new horizons of advanced technologies and ways to benefit its customers. We understand our client's business objectives intensely before providing them with successful and customized business applications; all at an economical rate. We specialize in customized software development, mobile application development, OMR based software solution and online examination software application.