Saras™
Test and Assessment

Smart, Secure and Reliable

platform for your evolving assessment needs

WINNER
e-Assessment
Awards 2021

Saras™ Test and Assessment

A comprehensive Test and Assessment platform that enables educators and assessment companies to manage and deliver assessments in an effective and cost efficient manner, over a variety of assessment models.

Saras™ ensures assessment delivery as per norms, maintains test integrity, provides extensive analysis of test performance and overcomes infrastructural barriers.

20+ years | of product excellence

30+ Million | learners accessing tests annually

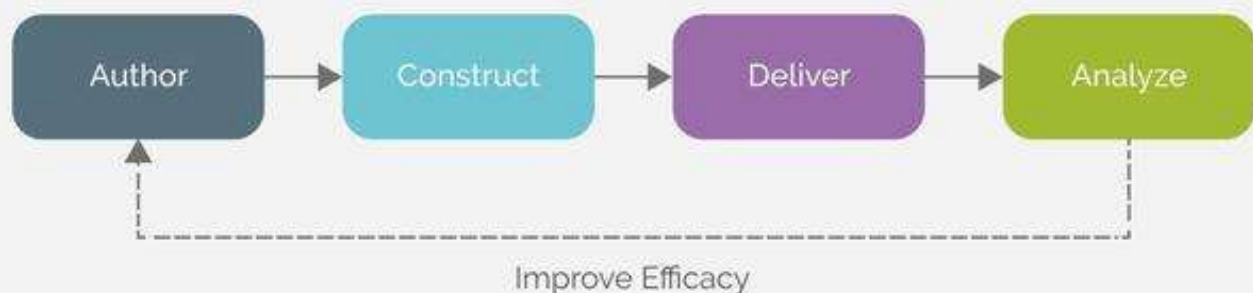**1.8+ Billion** | test submissions annually

3+ Million | high stakes test submissions annually

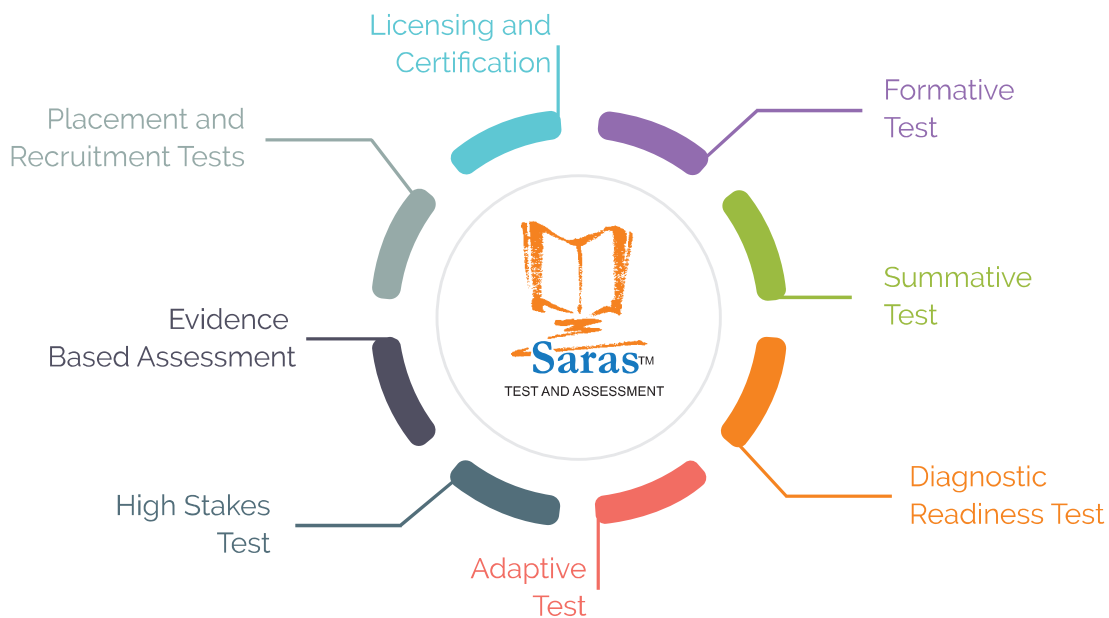**100+** | satisfied customers

Empowering educators and assessment companies to manage the entire assessment lifecycle effectively

Author → Construct → Deliver → Analyze

Improve Efficacy

Assessment Models

Saras™' comprehensive set of functionalities combined with configurability in test construction and delivery mechanism enables our customers to cater to a variety of assessment models.

Comprehensive

Provides exhaustive item & test management functionalities & supports online, offline as well as paper-based test delivery.

Smart

Supports Computer Adaptive Tests (CAT), remediation and Item Response Theory (IRT) based analytics.

Secure

Supports multi-factor authentication, lock-down browser, proctoring & monitoring.

Reliable

Optimized for cloud and has been tested for high-concurrency of 30,000+ .

Assessment Lifecycle

Customers choose Saras™ Test and Assessment due to the breadth as well as depth of features and functionalities that it offers across the entire assessment lifecycle.

1 Item Authoring and Banking

- 40+ simple and complex item types
- Online authoring, Offline authoring using Word and Excel based templates
- Collaboration workflow for distributed authoring
- Structured banking with digital assets and extensible meta data
- Learning outcomes

2 Test Construction and Scheduling

- Item selection – manual, random, template based
- Test structure and preferences
- Grade schemes
- Test scheduling preferences
- Test Center management
- Test registration and logistics

Other Highlights

Paper Based Assessments

- Eliminates dependency on proprietary equipment and supplies
- Provides flexibility to use Mobile App for scanning bubble sheets
- Supports processing of more than 250,000 bubble sheet scans in less than 24 hours
- Streamlines complex and tedious testing process
- Comprehensive Analysis reports

IRT Analytics

Saras™ incorporates Item Response Theory (IRT) based item and test calibration and psychometric analysis. This enables our customers to deliver assessments that are consistent, reliable and adaptive.

3 Delivery and Monitoring

- Delivery on PCs, Macs, tablets and smartphones
- Online, offline and standalone
- Paper based assessments
- Secure browser
- Real-time test monitoring
- On-premise and remote proctoring

4 Reporting and Analytics

- Rich reporting dashboard
- Detailed audit trail
- Assessment overview, score list, transcript, grade report
- Outcome-based performance analysis
- IRT based Item and Test calibration
- IRT enabled psychometric analysis

Proctoring Solution

Online Image-Based

AI-Based Intelligence feature to identify exam takers using unfair methods by analyzing user images captured after system configurable time interval.

Online Video-Based

Exam monitoring through live streaming video for identifying exam takers using unfair methods, with the option of cloud storage for further processing and validation.

Offline Video-Based

Identify which student are at risk and need action through analyzing offline videos of exam which are shared with proctors after the exam delivery.

Architecture & Design

Saras™ is built upon SOA/Microservices based architecture that provides flexibility, scalability and extensibility to cater to the current and future assessment needs of our customers. Standards such as Question and Test Interoperability (QTI) and Learning Tools Interoperability (LTI) ensure that Saras™ is interoperable with the existing technology landscape of our customers to provide a seamless end-user experience. Various security measures combined with a scalable, high-performance architecture, ensure reliable delivery of tests for an ever increasing number of test takers.

Modular

Scalable

Standards Compliant
(QTI, LTI)

Interoperable

Responsive

Deployment Models
(Centralized, Distributed, Hybrid)

Test Center Readiness

A secure USB device based standalone set-up significantly reduces the time for test center readiness by eliminating complex set-up procedures, need for dry runs and tedious security audits.

Multilingual

Unicode based design that supports multiple languages, including right-to-left. This ensures that tests can be authored and delivered in multiple languages.

Multi-factor Authentication

Accommodates biometrics and other security protocols for candidate verification.

Optimized Test Delivery

For low bandwidth and flaky network scenarios, particularly useful in developing markets.

Saras™ empowers educators and assessment companies to cater to their unique assessment needs

Benefits

- **Comprehensive:** With end-to-end assessment lifecycle functionalities built on a modular architecture, Saras™ addresses distinctive needs of educators and assessment companies.
- **Aligns to evolving assessment models:** Saras™' flexible and configurable design, combined with constant product innovation ensures that our customers align and cater to the ever evolving assessment models.
- **Ensures test efficacy:** IRT based reporting and analytics ensures test consistency, reliability and efficacy.
- **Secure and reliable:** Inbuilt security features, detailed audit trails and support for proctoring and monitoring ensure secure and reliable test delivery.
- **Cost effective:** Saras™ helps achieve cost and administrative efficiencies while managing and conducting assessments.

Professional Services

With a combination of technology and eLearning domain expertise, Excelsoft aligns with the unique business goals of our customers to help them design, develop and implement the right assessment strategy on top of Saras™ Test and Assessment platform. Our professional services include:

- Assessment strategy and consulting services
- Product customization and integrations
- Item and test development services
- Infrastructure and hosting services
- Maintenance and support services

EXCELSOFT

Excelsoft provides innovative technology-based solutions catering to the needs of corporations, educational publishers, schools, universities, government & defense sectors. We architect, design and develop learning environments, assessment tools and digital content and product solutions for some of the best known companies and academic institutions worldwide.

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