END-TO-END QUALITY ASSURANCE TESTING

RedMarker Systems Delivers End-to-End Quality Assurance Testing for Punjab Education Initiatives Management Authority (PEIMA)

CHALLENGE:

The Punjab Education Initiatives Management Authority (PEIMA) required a comprehensive Quality Assurance Test (QAT) for selected students across all districts of Punjab, Pakistan. The project demanded high-quality test items, efficient exam administration, secure marking, and insightful reporting.

SOLUTION:

RedMarker Systems was chosen to conduct the pilot testing and full-scale QAT 2023 for PEIMA, leveraging its expertise in assessment development, e-marking, and data analysis.

KEY PROJECT HIGHLIGHTS:

- **Item Development:** Expert subject specialists crafted high-quality items aligned with Student Learning Outcomes (SLOs), encompassing different difficulty levels and cognitive skills.
- **Pilot Testing:** A rigorous pilot test involving 5% of the target population ensured item efficacy and identified areas for improvement.
- **Exam Administration:** 749 exam centers were established, and 16 unique answer booklets accommodated various subjects and grades. Secure printing and distribution procedures further guaranteed exam integrity.
- **E-marking:** State-of-the-art technology and 756 trained subject specialists ensured accurate and efficient marking of student responses.
- **Data Analysis and Reporting:** Comprehensive reports provided detailed insights by grade, subject, district, school, and SLOs, enabling data-driven decision-making.

BENEFITS:

- **Improved assessment quality:** High-quality items and rigorous methodology produced reliable data for informed decision-making.
- **Data-driven insights:** Granular analysis empowered PEIMA to target interventions and address specific learning needs.

- **Enhanced transparency:** Secure processes and detailed reporting ensured fairness and accountability.
- **Sustainable improvement:** The established framework allows PEIMA to conduct future assessments with efficiency and accuracy.

CONCLUSION

This case study demonstrates RedMarker Systems' successful implementation of a comprehensive QAT program for PEIMA. By delivering high-quality assessments, secure operations, and insightful data, RedMarker helped PEIMA gain valuable insights into student learning and pave the way for continuous improvement in Punjab's education system.

RESULTS:

- 85% of schools met performance criteria, indicating an overall positive impact on educational quality.

- Actionable data empowered PEIMA to identify areas for improvement and foster continuous progress.

- Transparent and efficient process ensured data integrity and student fairness.