

Comprehensive Proposal: Implementing the Data-SMARTS Technology Solution Using the Universal Learning Portal (ULP)

Executive Summary:

The Data-SMARTS initiative represents a strategic opportunity for the Gauteng Department of Education (GDE) to transform how foundational literacy and numeracy (FLN) data is collected, analysed, and used to drive improvement at classroom, district, and provincial levels. Universal Learning Solutions (ULS) proposes the use of its proven Universal Learning Portal (ULP)—formerly known as Jolly Monitor—as a comprehensive, end-to-end technology platform to support this vision.

ULS is a not-for-profit organisation with a strong track record of partnering with government education departments to implement scalable, sustainable, and user-friendly digital systems. The ULP has been successfully deployed across all states in Nigeria and at scale in the Western Cape, where subject advisors and district officials have been trained and supported to use the system as part of routine departmental practice.

This proposal demonstrates how the ULP meets—and in several areas exceeds—the Data-SMARTS Technology Solution Specification. The platform supports the full assessment lifecycle: intuitive digital data capture (including timed EGRA and EGMA tasks), automated data validation and cleaning, immediate analysis, clear dashboards, and actionable reporting for different user groups. It has been designed explicitly for non-technical users, operates reliably in low-connectivity environments, and scales efficiently across provinces.

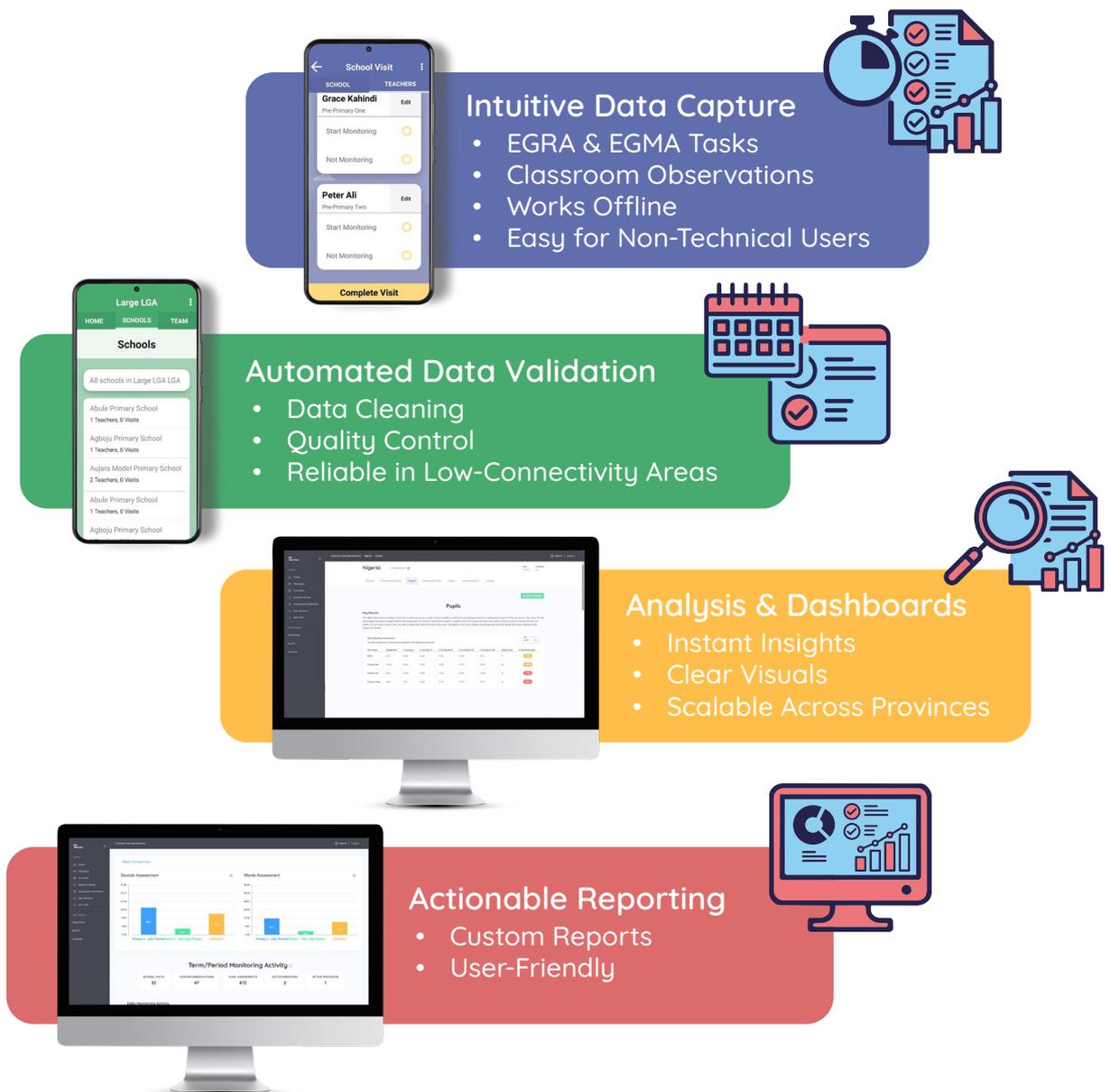
The details outlined in this proposal, in addition to more comprehensive details of how the ULP meets the DATA-SMARTS, can all be found at:

<https://datasmarts.universallearningportal.com>.

We encourage the reader to access this website to gain a deeper understanding of how this proposal meets the outlined criteria

Assessment Lifecycle Platform

A complete solution for the full assessment lifecycle.



A central strength of the ULS approach is its emphasis on capacity building and government ownership. ULS proposes a blended training model combining face-to-face engagement with high-quality digital learning resources, alongside a structured two-year handover process to ensure the Gauteng Department of Education can independently operate, maintain, and extend the system. In addition, ULS will integrate ULP training into existing large-scale teacher training programmes in Gauteng, enabling more than 5,000 Grade 1 and 2 teachers to conduct learner assessments directly, significantly reducing long-term assessment costs.

ULS believes that the ULP offers Data-SMARTS a mature, low-risk, and cost-effective solution that aligns strongly with the project's vision of simplicity, scalability, sustainability, and public value.



1. Introduction

Universal Learning Solutions (ULS) is pleased to submit this proposal outlining how the **Universal Learning Portal (ULP)** – formerly known as Jolly Monitor – will be used to implement the Data-SMARTS Technology Solution for the Gauteng Department of Education (GDE), in partnership with the Binding Constraints Lab (BCL).

ULS is a South African registered not-for-profit organisation committed to improving foundational literacy and numeracy outcomes at scale through practical, evidence-based tools, strong partnerships with government, and a deep respect for educators working on the front line.

ULS has worked in close collaboration with the Edu-Tech company – Jolly Technologies – over the last 10 years to design, pilot and scale the ULP.

Jolly Technologies was created to build technology that scales the impact of literacy interventions globally, with systems used by government, teachers and pupils. Apps created by Jolly Technologies are on millions of devices worldwide.

We believe the ULP not only meets the requirements set out in the Data-SMARTS Technology Solution Specification, but exceeds them in a manner that is sustainable, user-friendly, and extremely cost-effective.

This proposal draws directly on ULS's proven track record of delivering large-scale education data systems across all states in **Nigeria** and in the **Western Cape, South Africa**, and demonstrates how this experience will be leveraged to support **Gauteng Province** initially in **South Africa** and subsequent Provinces upon demand.



2. Vision, Mission and Values



Vision

A world where every child achieves foundational literacy and numeracy, enabling lifelong learning and opportunity.



Mission

To support education systems with practical tools, data-driven insight, and capacity-building that enables teachers and education leaders to measurably improve learning outcomes at scale.



Core Values



Not-for-Profit

Mission comes first. All activity is driven by social impact rather than financial gain.



Family

We work with warmth, care, and mutual support, valuing long-term relationships and community.



Humility

We listen, learn, and serve - putting learners, teachers, and partners at the centre of everything we do.



Quality

We are committed to high standards in training, materials, delivery, and support.



Flexibility

We adapt to different contexts, cultures, and challenges to meet real-world needs.



Integrity

We act ethically, transparently, and honestly in all our partnerships and decisions.

Jolly Technologies



Vision

Empowering global literacy through accessible, technology-enabled learning.

Jolly Technologies envisions a world where every child - regardless of context or connectivity - can unlock the power of literacy and numeracy through intuitive and impactful digital tools rooted in the proven Jolly Phonics methodology. The company seeks to be a leading catalyst for improving learning outcomes globally by making high-quality teaching and learning experiences universally reachable.



Mission

To design and deliver high-impact, inclusive education technology that supports teachers, pupils, schools, and education systems around the world.

- Support effective phonics teaching and assessment
- Strengthen classroom practice through data and insig.ht.
- Empower implementers and decision-makers to improve learning outcomes wherever they work.

Their mission centers on bridging educational opportunity gaps by combining world-leading synthetic phonic pedagogy with thoughtful digital solutions



Core Values

These values reflect how Jolly Technologies approaches its work and community.



Learner-Centered Impact

Designing products that make a measurable difference in learning outcomes.



Accessibility & Inclusion

Building tools that function reliably in low-connectivity settings and support diverse user groups - from pupils to schools, governments & NGOs.



Simplicity for Non-Technical Users

We work with warmth, care, and mutual support, valuing long-term relationships and community.



Evidence-Driven Excellence

We adapt to different contexts, cultures, and challenges to meet real-world needs.

3. Track Record of Success with the Universal Learning Portal (ULP)

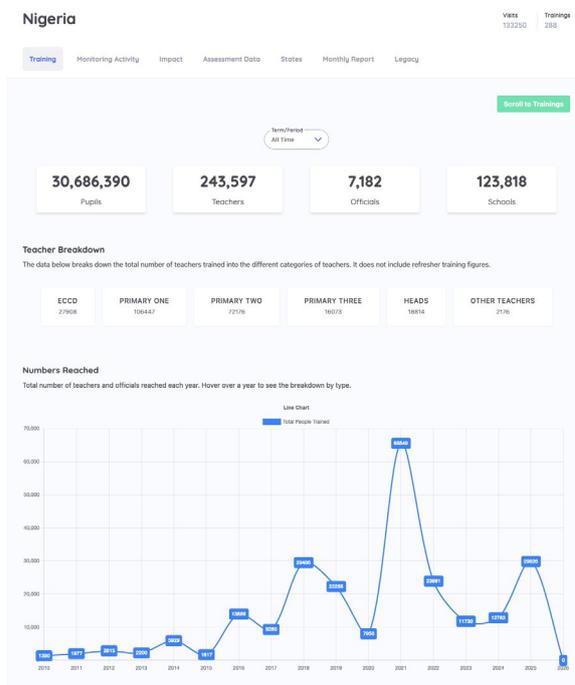
3.1 Nigeria: National and State-Level Scale

ULS and Jolly Technologies first started working together in 2017, when Gary Foxcroft (ULS CEO) and Gilbert Jolly (Jolly Technologies CEO) spent time in Nigeria assessing the needs of ULS and government partners. At the time ULS was still using a system called Kobo toolbox, with data from pupil assessments being captured in paper form before being uploaded onto the system. This was creating significant delays with assessing the data and, importantly, then acting upon it.

Having identified this as a key gap in their work, and a core strength of Jolly Technologies, the two organisations have since been collaborating intensively to develop the ULP, which we believe is now one of the more comprehensive, scalable and affordable edu-tech solutions available on the market. It has been piloted, and refined, extensively in Nigeria over the last 9 years, providing us with the current system, which has been commissioned by the Universal Basic Education Commission (UBEC) in Nigeria, along with states governments from across the country.

Indeed the ULP has now successfully deployed the ULP across all states in Nigeria, supporting early-grade literacy programmes that reaches 243,597 teachers from 123,815 schools.

The ULP has been used to conduct over 950,000 pupil assessments, in the field, making it one of the largest deployed pupil assessment systems in the developing world



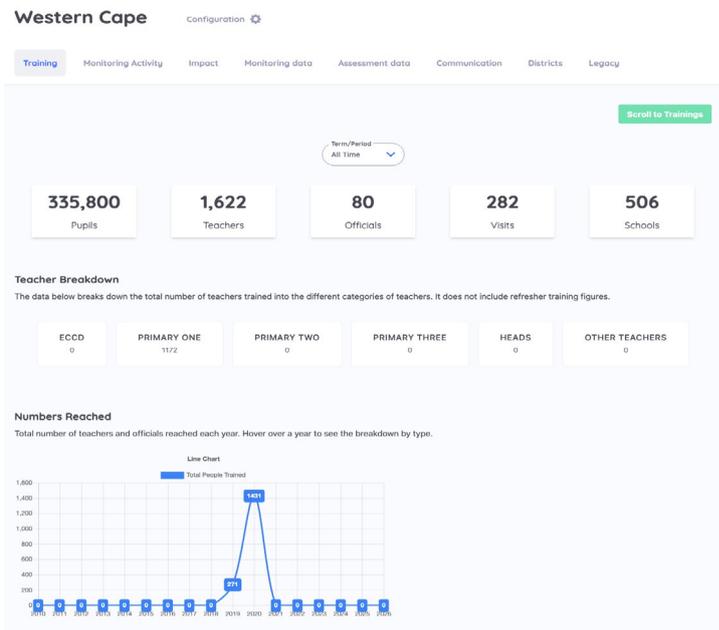
The system has been used to:

- Capture large-scale EGRA-style assessment data
- Support offline-first data collection in low-connectivity environments
- Deliver dashboards and reports to state and national officials
- Train teachers and officials with minimal digital training requirements

This experience has demonstrated the ULP's scalability, robustness, and suitability for diverse linguistic and administrative contexts.

3.2 Western Cape, South Africa

In the Western Cape, ULS has worked closely with the Western Cape Department of Education (WCED) to deploy the ULP as a core monitoring and support tool for foundational learning.



Key achievements include:

- Training and support of subject advisors and district-level officials across the province
- Successful use of the ULP for learner assessment, data aggregation, and reporting
- Embedding the system into routine departmental processes
- Demonstrated improvement in data quality, timeliness, and usability

This partnership provides a strong, relevant foundation for the proposed Data-SMARTS work in Gauteng and other provinces.

4. Building on Western Cape Success for Gauteng Province and Beyond



The proposed Data-SMARTS implementation will explicitly build on the systems, processes, and training models refined in Nigeria and in the Western Cape, South Africa.

Key elements include:

- Reusing a tested system architecture already familiar to South African education officials
- Applying a proven subject advisor training and support model
- Leveraging lessons learned around change management, rollout sequencing, and data use

By doing so, Gauteng and future provinces will benefit from a mature platform and delivery partners with demonstrated local experience, reducing implementation risk and cost.

5. Alignment of the ULP with the Data-SMARTS Technology Solution Specification

The ULP has been intentionally designed as a one-stop platform, closely mirroring the purpose and language of the Data-SMARTS specification: enabling robust data collection, automated cleaning and analysis, and the rapid delivery of actionable insights to stakeholders at all levels of the education system.

End-to-End Data-SMARTS Workflow Supported by the ULP



The ULP supports the end-to-end lifecycle described in the Data-SMARTS specification: data capture, automated cleaning, analysis, visualisation, reporting, and action.

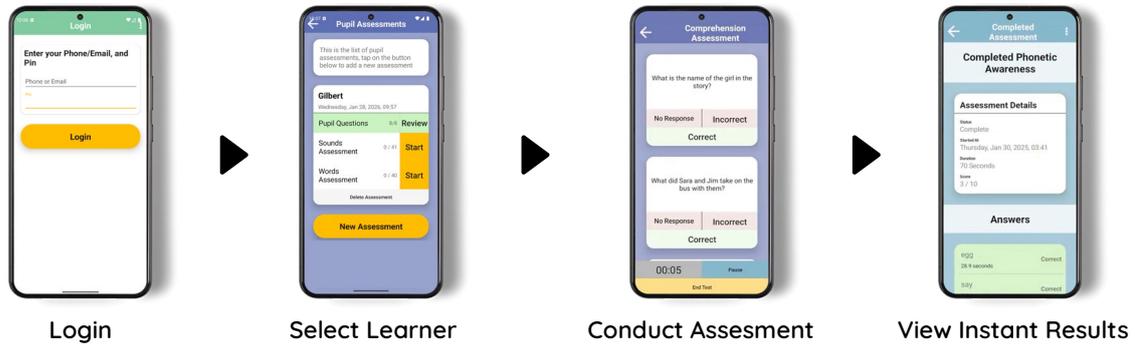
5.1 Assessment and Data Capture

The ULP fully supports EGRA and EGMA-style assessments, including:

- Timed oral reading fluency tasks with configurable timers and stopping rules
- Positive and negative marking per word or item
- Multi-language assessment content can be uploaded via the admin backend
- Audio recording with noise suppression
- Geolocation capture for validation
- Offline-first functionality with secure syncing
- Bulk upload of schools, classes, and learners
- Unique learner IDs enabling longitudinal tracking
- Sampling tools for district and provincial assessments

Example User Journey - Teacher or Subject Advisor Using the ULP

User-friendliness, Testing and Implementation Experience



5.2 Data Cleaning and Validation

The ULP incorporates multiple layers of automated data quality assurance:

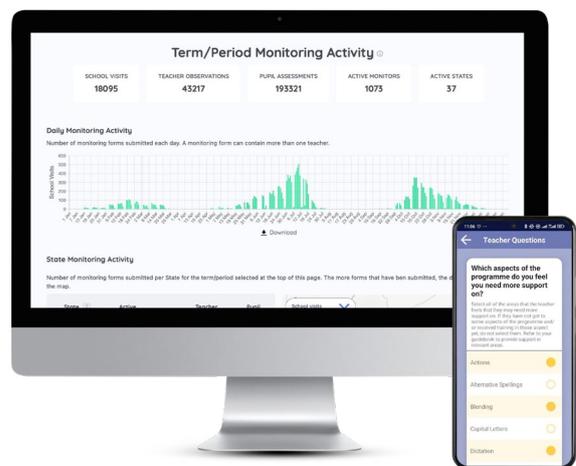
- Real-time validation during data entry
- Configurable skip logic and required fields
- Automated post-collection cleaning rules aligned with standard EGRA/EGMA practices
- Flagging of outliers and inconsistencies for administrator review

This significantly reduces the manual effort currently required after data collection.

5.3 Analysis, Visualisation and Reporting

The ULP automatically generates:

- Immediate learner-level metrics (e.g. CWPM, benchmark status)
- Aggregated school, district, and provincial statistics
- Simple, intuitive dashboards with no more than ten key indicators
- Comparisons to national or provincial benchmarks
- Actionable insights and instructional suggestions
- One- to two-page PDF reports for different stakeholder groups
- Data exports (CSV) and API-based integration with systems such as Power BI or DDD dashboards



5.4 Administration, Security and Sustainability

The ULP fully supports EGRA and EGMA-style assessments, including:

- Multi-province architecture with strict data partitioning
- Role-based access control
- Secure hosting within South Africa
- POPIA-compliant data protection
- Scalable performance for thousands of schools
- Multi-device support (phones, tablets, laptops)
- Open-source or co-ownership model enabling government ownership and avoiding vendor lock-in

6. Training Model Aligned to Data-SMARTS Requirements

6.1 Blended Training Approach

ULS proposes a blended training model combining:

- Face-to-face training for subject advisors, senior managers, teachers, and district officials
- Short, targeted video tutorials embedded in the platform
- Printable guides and quick-reference materials

This model minimises training time while maximising confidence and adoption.

6.2 Groups

- Provincial and district officials
- Subject advisors
- School leadership
- Teachers

6.3 Training

- Conducting assessments using the ULP
- Understanding dashboards and reports
- Using data to inform instructional support
- Admin and configuration functions for designated users

7. Two-Year Capacity Building and Handover Plan

ULS will intentionally design the Gauteng implementation, and future provisional roll-outs, as a capacity transfer process.

Over two years:

- Jolly Technologies leads system configuration
- ULS leads rollout and training
- Gauteng officials increasingly co-facilitate training and support
- Comprehensive documentation is developed and refined
- Technical and operational ownership is gradually transferred to the GDE

By doing so, Gauteng and future provinces will benefit from a mature platform and delivery partners with demonstrated local experience, reducing implementation risk and cost.

8. Integration with Existing Teacher Training in Gauteng (2027–2028)

In addition to training subject advisors and school management teams, ULS will integrate ULP training into the existing teacher training programmes delivered in Gauteng during 2027 and 2028.

This includes:

- Training 6,000+ Grade 1 and 2 teachers to use the ULP for learner assessment
- Enabling large-scale, teacher-led data collection
- Dramatically reducing the need for separate assessment budgets
- Supporting more frequent, classroom-based assessment cycles

This approach significantly improves cost-effectiveness while strengthening instructional practice.

9. User-Friendliness, Testing and Implementation Experience

The ULP is:

- Designed for users with limited digital experience
- Field-tested across multiple countries and contexts
- Continuously refined through real-world use
- Supported by an experienced ULS implementation team with deep education sector expertise

Quality assurance includes piloting, user acceptance testing, and ongoing monitoring.

10. Ownership and Sustainability

In line with the Data-SMARTS preference for open-source or co-ownership models, Jolly Technologies proposes an approach that treats the ULP as a public good.

This includes:

- Individual Provincial government co-ownership of the platform, with full access to source code and documentation
- No per-user or per-assessment licence fees
- Hosting within South Africa, with transparent and costed hosting and support arrangements
- Freedom for the GDE, and other provincial government departments of education, to modify, extend, or contract third-party providers without vendor lock-in
- Comprehensive technical and administrative documentation to support long-term sustainability

This approach has already been successfully applied in ULS partnerships with government, including the Western Cape, and ensures a low total cost of ownership over the full lifecycle of the system.

11. Data-SMARTS Compliance Matrix

The table below summarises how the Universal Learning Portal addresses each core requirement of the Data-SMARTS Technology Solution Specification.

Figure 11: Data-SMARTS Compliance Matrix - Universal Learning Portal

Data-SMARTS Requirement	ULP Response
EGRA / EGMA digital data capture	Full support for timed, oral and written tasks with configurable rules
Offline functionality	Offline-first design with secure synchronisation
Automated data validation	Real-time and post-sync validation rules
Automated analysis	Immediate calculation of learner and aggregate metrics
Dashboards and reporting	Role-specific dashboards and PDF report generation
Multi-language support	Backend upload of pre-translated content
Sampling tools	Randomised school and learner sampling
Longitudinal tracking	Unique learner IDs and historical records
Role-based access	Granular permissions by role and geography
Secure local hosting	POPIA-compliant hosting within South Africa
Scalability	Proven deployment across provinces and countries
Open-source / co-ownership	Government-aligned, non-profit co-ownership model



12. Conclusion

Universal Learning Solutions and Jolly Technologies bring a rare combination of proven technology, deep implementation experience, strong alignment with government priorities, and a not-for-profit ethos.

The Universal Learning Portal is a mature, well-tested platform that directly addresses the vision and requirements of the Data-SMARTS initiative, while offering a sustainable and cost-effective path to scale across Gauteng and beyond.

ULS looks forward to partnering with the Gauteng Department of Education and the Binding Constraints Lab to strengthen the production and use of foundational learning data in service of improved outcomes for all learners.

We are confident that the Universal Learning Portal not only meets the Data-SMARTS Technology Solution Specification, but does so in a way that is sustainable, scalable, and genuinely supportive of educators and officials.

We look forward to partnering with the Gauteng Department of Education and the Binding Constraints Lab to strengthen foundational learning outcomes for all learners.

13. Detailed, Numbered Response to the Data-SMARTS Technology Solution Specification

This section provides a line-by-line response, aligned exactly to the numbering and headings of the Data-SMARTS Technology Solution Specification, to support ease of evaluation.

13.1 Assessment and Data Capture

Capability	ULP Implementation
Support for EGRA and EGMA	Full support for oral reading fluency, comprehension, letter naming, word reading, number identification, and basic arithmetic. Configurable and extensible for questionnaires and observation forms.
Adjustable Assessments and Languages	Assessment content, instructions, and scoring logic updated centrally and deployed instantly. Multiple pre-translated language versions selectable by assessor.
Flexible Scoring	Positive and negative marking configurable per assessment, item, or word level.
Timing and Stopping Rules	Configurable timers and EGRA stopping rules embedded into assessment flow to ensure consistency and reduce assessor error.
Audio Capture	Secure audio recording with noise suppression, designed for future automated scoring integration.
Geolocation Capture	Automatic capture of geolocation data to support data validation and reporting.
User Experience	Streamlined, intuitive interface designed for assessors with limited digital experience and minimal training.
Offline Data Collection	Full offline functionality with secure synchronisation when connectivity is restored.
Bulk Data Input	Schools, classes, and learner data uploadable via CSV or Excel templates.
Sampling Tools	Randomised sampling of schools and learners with stratification options and documented sampling logic.
Unique Learner IDs and Longitudinal Tracking	Each learner assigned a unique identifier enabling longitudinal tracking over time.
Future AI Integration for Scoring	System architecture designed to integrate with external AI speech recognition engines.

13.2 Data Cleaning

Capability	ULP Implementation
Real-Time Validation	Real-time validation checks prevent missing fields, invalid values, and logic errors during data capture.
Automated Data Cleaning Rules	Post-collection automated rules flag inconsistencies and outliers in line with standard EGRA and EGMA data-cleaning practices, with administrator review workflows.
Automated Data Cleaning Rules	Post-collection automated rules flag inconsistencies and outliers in line with standard EGRA and EGMA data-cleaning practices, with administrator review workflows.

13.3 Analysis, Visualisation, and Reporting

Capability	ULP Implementation
Automated Analysis	Key learner-level and aggregate metrics are calculated automatically immediately after assessment and synchronisation.
Visualisation and Dashboards	Role-specific dashboards present no more than ten key indicators aligned to foundational learning benchmarks.
Actionable Insights	The platform provides practical, rule-based instructional guidance linked to assessment results.
Report Generation	One- to two-page PDF reports can be generated for different stakeholder groups.
Integration with External Dashboards	APIs and data exports support integration with systems such as Power BI and the Data Driven Districts dashboard.
Export Data	Cleaned source data can be exported in standard formats such as CSV.

13.4 Administration, Security, and Sustainability

13.4.1 Multi-Province Architecture

The ULP supports multiple provinces within a single system, with strict data partitioning and per-province configuration.

13.4.2 Performance and Scalability

The platform is optimised for large-scale deployment and low-spec devices, and has been proven at provincial and national scale.

13.4.3 Secure Data Storage and Privacy

All data is securely hosted within South Africa and managed in compliance with POPIA.

13.4.4 User Roles and Permissions

Granular role-based access control ensures users only see authorised data.

13.4.5 Local Hosting Requirements

Local hosting includes regular backups and disaster recovery protocols.

13.4.6 Multi-Device Functionality

The ULP operates reliably across smartphones, tablets, and laptops.

13.4.7 Ownership and Licensing

The platform is offered under an open-source or co-ownership model aligned with public-good principles.

13.5 Documentation, Training and Support

13.5.1 Technical Documentation

Comprehensive technical and administrative documentation is provided.

13.5.2 Training Materials

Blended training resources include face-to-face materials, manuals, and video tutorials.

13.5.3 Open Source Documentation

Developer-facing documentation supports independent operation and extension.

13.5.4 Ongoing Support

Helpdesk support and update management are included.

13.6 Documentation, Training and Support

13.6.1 Testing

The platform undergoes usability testing, field pilots, and user acceptance testing.

13.6.2 Monitoring

Built-in monitoring tools track usage, data quality, system performance, and security.

Annex A: Project Team – Please see website

Annex B: Backend and data architecture – Please see website

Annex C: AI Readiness and Responsible Integration

ULS and Jolly Technologies recognise the potential of AI-based speech recognition to reduce administrative burden and improve consistency in early-grade assessments. The ULP has therefore been designed with AI readiness in mind, while adopting a cautious and responsible approach.

Jolly Technologies is in a uniquely strong position to build AI reading as it has developed a commercial AI reading product, currently in testing. A video demonstration is on the proposal website.

Key principles include: - Modular system architecture that allows external AI engines to be integrated without disrupting core functionality - Secure storage and cataloguing of learner audio data suitable for future model training - Alignment with ethical, privacy, and child-protection requirements - A partnership-based approach, working with specialist AI providers selected in collaboration with the Binding Constraints Lab.

Initial AI integration would focus on limited pilot implementations in a small number of schools and languages, with careful validation against human scoring before any scale-up. ULS does not propose AI as a replacement for educators, but as a supportive tool to enhance efficiency and data quality over time.

Annex D: Implementation Plan Implementation Plan and Phasing

The implementation of the Data-SMARTS technology solution will follow a structured, phased approach designed to minimise risk, ensure strong user alignment, and support long-term sustainability and scalability. The approach emphasises early clarity on workflows and user needs, iterative development and testing, and progressive institutionalisation and capacity transfer.

The work is organised into two main implementation years, each with clearly defined objectives, milestones, and deliverables.

Overall Implementation Principles

- **Human-centred design:** All technical development will be grounded in real, end-to-end, human-led workflows for data collection, verification, analysis, and use.
- **Phase-gated delivery:** No major development will begin before workflows, requirements, and wireframes are fully specified and approved.
- **Iterative refinement:** The platform will be continuously improved based on real-world use.
- **Capacity transfer:** From the outset, the approach will prioritise documentation, skills transfer, and institutional ownership.
- **Scalability and sustainability:** All design decisions will support multi-province, multi-language, and multi-country deployment.

Data-SMARTS Platform Roadmap (Years 1-2)

Year 1: Design, Build, Pilot & Initial Scale

Objective: Develop and deploy the Data-SMARTS platform, tested and ready for scale.

Phase	Focus	Timeline (Months)	Core Activities	Key Deliverables
Phase 1: Discovery, Workflow Mapping & Specifications	Define user needs, workflows, and system specs.	1-3	Workflow mapping; user engagement; technical design	<ul style="list-style-type: none">• Workflow maps• Specifications• System architecture• Wireframe pack
Phase 2: Wireframing, UX Design & Approval	Design platform interfaces and obtain sign-off.	2-4	Wireframes for all roles; design validation	<ul style="list-style-type: none">• UX standards• Design approval
Phase 3: Platform Development & System Integration	Build and integrate the platform.	4-10	Module development, integration, QA, and POPIA compliance	<ul style="list-style-type: none">• Beta platform• Dashboards• Hosting setup
Phase 4: Pilot Deployment & Field Testing	Deploy and test in real contexts.	8-12	Train users; field deploy; feedback cycle	<ul style="list-style-type: none">• Pilot report• Improved platform• Production-ready version
Phase 5: AI Partnership Setup (Parallel)	Establish AI collaboration (voice & automated marking).	1-12 (parallel)	Partner selection; integration and ethics plan	<ul style="list-style-type: none">• MoU• AI roadmap• Ethical framework
End of Year 1 Milestones				<ul style="list-style-type: none">• Platform live in Gauteng• AI partner onboarded• Ready for scaling

Year 2: Scale, Enhance & Institutionalise

Objective: Strengthen and scale the platform, pilot AI, and embed sustainability.

Phase	Focus	Timeline (Months)	Core Activities	Key Deliverables
Phase 6: Feature Enhancement & Hardening	Improve and stabilise system.	13-18	Analytics, user tools, scalability	<ul style="list-style-type: none">Enhanced dashboardsHardened platform
Phase 7: Multi-Province Expansion	Scale to more provinces.	14-24	Expansion, localisation, training	<ul style="list-style-type: none">Multi-province deploymentExpanded user base
Phase 8: AI Pilot Implementation	Deploy and test AI-assisted marking.	15-24	Pilot AI marking in two languages; evaluate	<ul style="list-style-type: none">Pilot liveEvaluation report
Phase 9: Sustainability, Handover & Replication	Build local capacity and prepare for wider use.	18-24	Documentation; training; support handover	<ul style="list-style-type: none">Government-operated systemReplication toolkit
End of Year 2 Milestones				<ul style="list-style-type: none">Operational in multiple provincesAI pilot completedFull handover completed

Timeline Overview

Phase	Year 1 (Months 1-12)	Year 2 (Months 13-24)
Discovery & Specifications	☑ Completed	
Wireframing & Design Approval	☑ Completed	
Core Platform Development	☑ Completed	
Pilot & Initial Rollout	☑ Completed	
AI Partnership Setup	☑ Completed	
Feature Enhancement & Hardening		☑ Ongoing
Multi-Province Expansion		☑ Ongoing
AI Pilot Implementation		☑ Ongoing
Sustainability & Handover		☑ Final

Annex D: Project Budget

Core project budget requested: USD 300,000

Post-project support period: 3 years (separately costed)

VAT: To be charged at the prevailing South African rate

Table 1: Summary of Core Project Budget (24 months)

Budget Category	Year 1 (USD)	Year 2 (USD)	Total (USD)	% of Total
Technology Development & Platform	110,000	70,000	180,000	60%
Implementation, Training & SupportCore	70,000	50,000	120,000	40%
Total Core Project Budget	180,000	120,000	300,000	100%

Table 2: Detailed Budget — Technology Development & Platform

Cost Item	Year 1 (USD)	Year 2 (USD)	Total (USD)
Core platform configuration & customisation	45,000	10,000	55,000
Assessment tools, workflows, dashboards & reporting development	25,000	10,000	35,000
Data architecture, security, roles & permissions	10,000	5,000	15,000
Quality assurance, testing, piloting & refinement	10,000	10,000	20,000
Hosting, backups, monitoring & DevOps	10,000	15,000	25,000
Technical documentation & handover preparation	5,000	10,000	15,000
Subtotal — Technology	110,000	70,000	180,000

Table 3: Detailed Budget – Implementation, Training & Support

Cost Item	Year 1 (USD)	Year 2 (USD)	Total (USD)
Project management & coordination	15,000	15,000	30,000
Training design & materials (manuals, videos, guides)	10,000	5,000	15,000
Training delivery (face-to-face & blended)	20,000	10,000	30,000
Ongoing user support & helpdesk	10,000	10,000	20,000
Change management & system embedding	10,000	8,000	18,000
Monitoring, learning & documentation	5,000	2,000	7,000
Subtotal – Technology	70,000	50,000	120,000

Table 4: Total Core Project Cost (24 Months)

Cost Item	Year 1 (USD)	Year 2 (USD)	Total (USD)
Technology	110,000	70,000	180,000
Implementation & Support	70,000	50,000	120,000
Total Core Project Costs	180,000	120,000	300,000

Table 5: Ongoing Support & Maintenance Costs (Post-Project)

Cost Item	Annual Cost (USD)	Number of Years	Total (USD)
Platform hosting, monitoring, backups & technical maintenance	10,000	3	30,000
Total Core Project Costs	10,000 per year	3 years	30,000

The core project budget of USD 300,000 covers full system configuration, development, rollout, training, and institutional handover over a 24-month period. Thereafter, the platform can be sustainably operated at a modest cost of approximately USD 10,000 per year to cover hosting, monitoring, backups, and technical maintenance. These post-project costs are not included in the requested budget and are presented separately to demonstrate long-term affordability and sustainability.