[redacted] Automated Script Analysis System

Phase 1 Implementation Report

SHIZA Labs

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1 Executive Summary

SHIZA has successfully delivered **Phase 1** of the [redacted] Automated Script Analysis System for [redacted] This system transforms the proprietary [redacted] framework into a fully automated AI pipeline that evaluates screenplays with precision, consistency, and compliance.

1.1 Key Deliverables

Completed in Phase 1:

- Custom-branded front-end interface for script upload
- Fully automated AI evaluation pipeline
- Email delivery of comprehensive [redacted] reports
- Structured analysis across 6 pillars and 18 sub-metrics
- Custom PDF report generation with proprietary styling

System Status: Closed beta testing, restricted to [redacted] team only.

Current Capabilities:

- **Supported formats:** PDF, TXT, DOC, DOCX
- **Maximum script length:** 200 pages
- **Processing time:** 3-6 minutes average
- **Beta capacity:** 50 successful evaluations

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2 Requirements Overview

2.1 Phase 1 Objectives

[redacted] required a system that could:

1. **Accept screenplay uploads** in multiple formats (PDF, TXT, DOC, DOCX)
2. **Process and evaluate** scripts according to the [redacted] framework
3. **Generate comprehensive reports** matching [redacted] proprietary format
4. **Deliver via email** with professional formatting
5. **Maintain confidentiality** with private document processing

2.2 The [redacted] Framework

The system implements [redacted] proprietary evaluation methodology:

2.2.1 Foundational Philosophy

> *"A successful screenplay is the synergistic effect of structural discipline, profound characterization, masterful craft, thematic resonance, and commercial viability."*

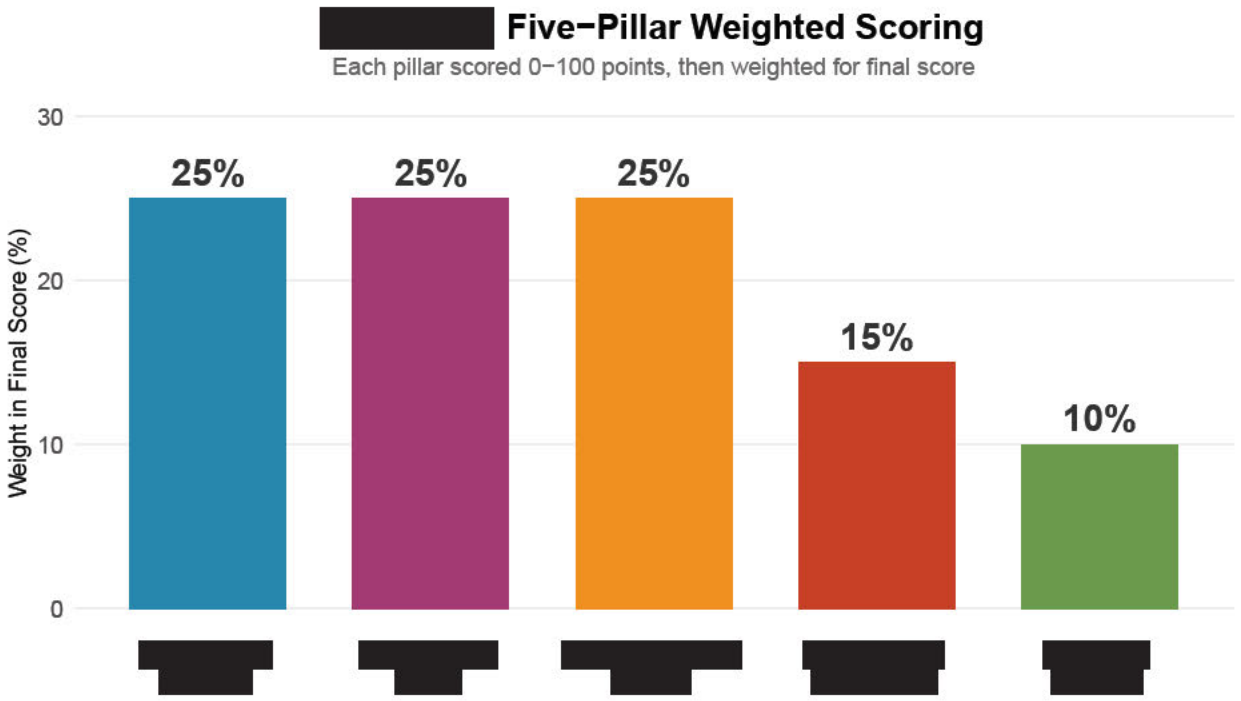

Figure 1: Weighted Pillar Architecture

2.2.2 Five-Pillar Architecture

Pillar VI: Inclusion & Representation is evaluated qualitatively and reported separately from the 100-point score.

2.2.3 Comprehensive Sub-Metric Coverage

The system evaluates **18 distinct sub-metrics** across all pillars:

Table 1: Complete Sub-Metric Structure

Pillar	Sub-Metric	Weight
I: (25%)		5%
		5%
		5%
		10%
II: (25%)		10%
		10%
		5%
III: (25%)		7%
		15%
		3%
IV: (15%)		5%
		10%
V: (10%)		5%
		3%
		2%

Pillar	Sub-Metric	Weight
VI: [redacted] (Qualitative)	[redacted]	Pass/Fail Qualitative 1-5 Scale

2.2.4 The Master Scoring Rubric

Each sub-metric is scored on a **1-10 scale** using standardized anchors:

- **1-3 (Poor):** Significant deficiencies
- **4-6 (Average):** Competent but unremarkable
- **7-10 (Excellent):** Exceptional craft and execution

2.2.5 Final Score Calculation

[redacted] $\text{Score} = (P_I \times 0.25) + (P_{II} \times 0.25) + (P_{III} \times 0.25) + (P_{IV} \times 0.15) + (P_V \times 0.10)$

2.2.6 Four-Tier Recommendation System

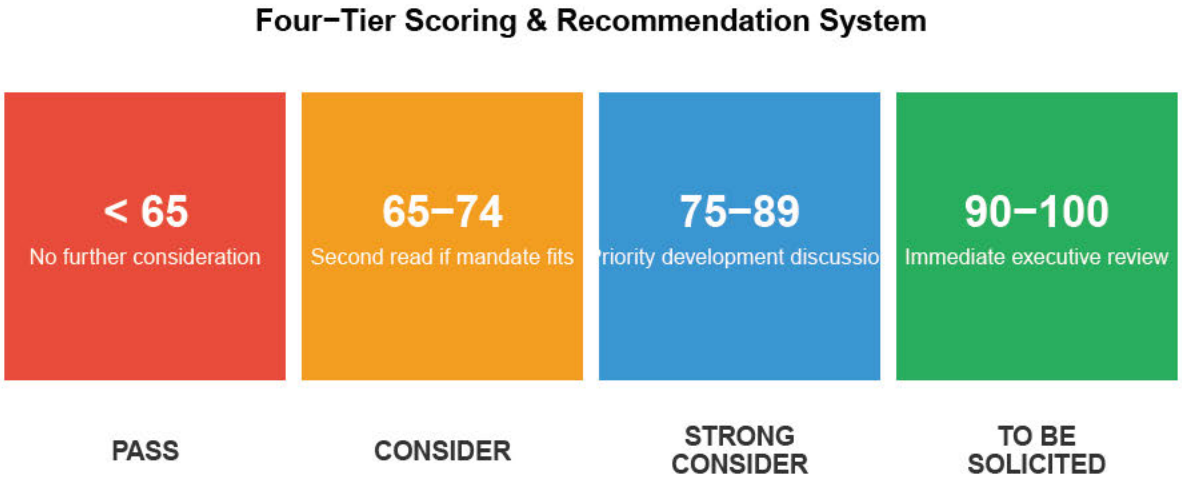

Figure 2: [redacted] Four-Tier Decision Framework

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3 Technical Implementation

3.1 System Architecture

Our implementation follows a **modular AI automation pipeline** designed for accuracy, consistency, and compliance.

[redacted] Processing Pipeline

3.2 Key Technical Decisions

3.2.1 1. Hybrid AI Architecture

Generative + Rule-Based System:

We implemented a hybrid approach combining:

- **Generative AI** for understanding narrative intent and nuanced evaluation
- **Rule-based retrieval** for exact [redacted] framework compliance
- **Deterministic scoring** to eliminate hallucination in calculations

Why This Matters:

- Pure rule-based systems cannot understand storytelling nuance
- Pure generative systems hallucinate scores and lose framework precision
- Hybrid approach ensures both accuracy and narrative intelligence

3.2.2 3. Custom PDF Report Generation

Private, Proprietary Styling:

We developed a **custom PDF generation pipeline** that:

- Applies [redacted] proprietary report formatting
- Maintains exact [redacted] structural requirements
- Processes documents entirely within SHIZA infrastructure
- **Does not use external PDF services** (preserves confidentiality)

Key Features:

- Multi-column tables with precise alignment
- Hierarchical section headers with proper spacing
- Italic screenplay quotes with page citations
- Superscript reference markers
- Consistent typography and branding

Privacy Advantage:

By implementing PDF generation in-house, screenplay content **never leaves SHIZA servers** and is not exposed to third-party APIs or services.

3.2.3 4. Validation & Quality Control

Three-Layer Validation:

1. **Ingestion Validation:** LLM verifies no content loss during PDF extraction
2. **Framework Validation:** All 18 sub-metrics present and properly weighted
3. **Output Validation:** Reports conform to Section 9 compliance directives

4 Performance Metrics

4.1 Processing Speed

Current Performance Metrics:

- **Average processing time:** 4.45 minutes
- **Fastest analysis:** 3.05 minutes
- **Longest analysis:** 6.03 minutes
- **Success rate:** 100% (8/8 test runs)

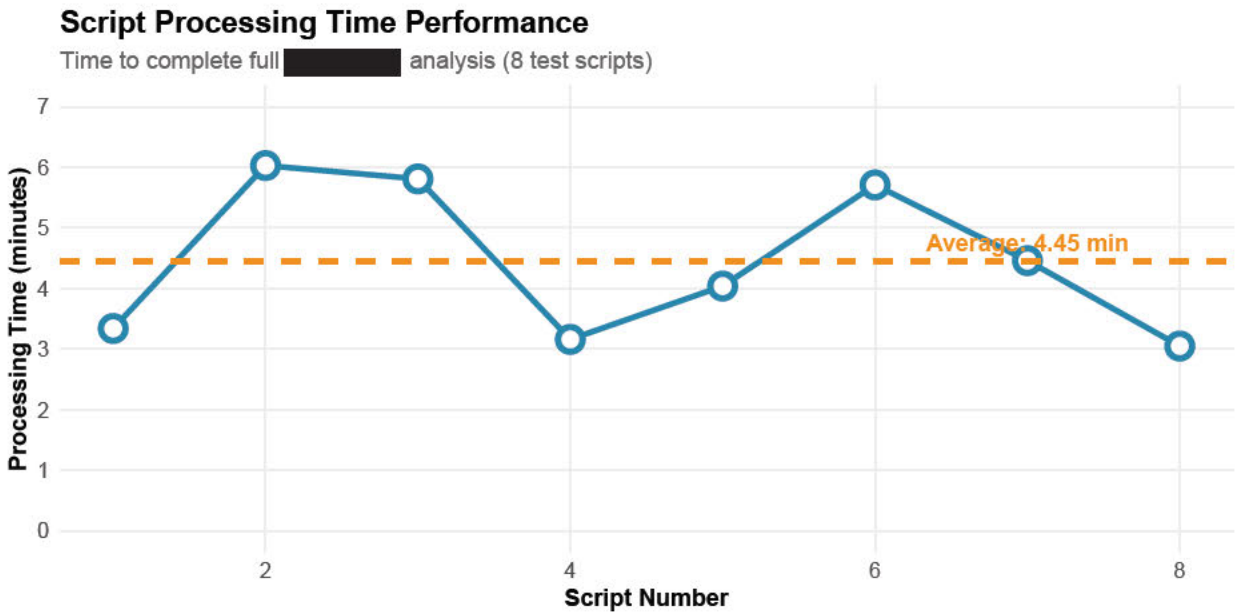

Figure 3: Processing Time Distribution

Performance Notes:

- Processing time scales primarily with script length (page count)
- Shorter scripts (< 100 pages): ~3-4 minutes
- Standard features (100-120 pages): ~4-6 minutes
- All runs completed successfully with zero failures

4.2 System Reliability

Table 2: System Reliability Metrics (Beta Testing)

Metric	Result	Status
Successful completions	8/8 (100%)	
Failed attempts	0/8 (0%)	
PDF extraction accuracy	100%	
Score calculation precision	100%	

Metric	Result	Status
Format compliance rate	100%	

5 How to Test the System

5.1 Access Information

Testing Portal: https://[redacted]

Current Limitations (Phase 1 Beta):

- **Access:** Restricted to [redacted] team only
- **Script length:** Maximum 200 pages
- **Capacity:** 50 successful evaluations allowed in first version
- **Supported formats:** PDF, TXT, DOC, DOCX

5.2 Testing Workflow

Step 1: Access the Portal

Navigate to the testing URL and verify the custom [redacted] branding is displayed.

Step 2: Upload a Screenplay

- Click the upload button
- Select a screenplay file (Must not exceed 200 pages)
- Provide a title and your email address
- Select script type (Feature Film or TV)

Step 3: Processing

- System validates and extracts content
- AI pipeline analyzes across all 6 pillars

Step 4: Receive Report

- Comprehensive [redacted] report delivered via email
- Report includes all 18 sub-metric scores
- Final tier recommendation provided
- Pillar VI qualitative assessment included separately

Step 5: Validation Checklist

When reviewing outputs, verify:

- ☐ All 5 pillar scores present (0-100 scale)
- ☐ Weighted calculation correct
- ☐ Tier assignment matches score range
- ☐ Report uses [redacted] terminology only
- ☐ Pillar VI assessment is qualitative (not scored)
- ☐ PDF formatting matches [redacted] standards

5.3 Recommended Test Cases

For comprehensive validation, test with:

1. **High-quality published script** (expected: [redacted] tier)
2. **Average professional script** (expected: Consider/Strong Consider tier)
3. **Experimental structure script** (validate Framework Innovation metric)
4. **Genre-specific script** (validate Genre Adherence metric)

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6 Future Development Roadmap

6.1 Phase 2: Enhanced Delivery & Presentation

Planned Features:

6.1.1 1. In-Chat Report Display

- Real-time report preview in chat interface
- Interactive navigation between sections
- Clickable pillar breakdowns

6.1.2 2. PDF Download Capability

- Direct download button in interface
- Formatted PDF matching email version
- Optional report customization

6.1.3 3. Gamma Presentation Integration

Deliverable: Shareable presentation link [redacted]

Features:

- Automatically generated slide deck from analysis
- Visual score breakdowns and tier visualization
- Key strengths and development notes highlighted
- Shareable URL for team collaboration

6.1.4 4. Multi-Delivery Options

- Email delivery (current)
- PDF download (new)
- Gamma presentation link (new)
- Optional Slack/Teams notification (future consideration)

6.2 Phase 3: Conversational AI Interface

Chat-Based Interaction: Under Consideration (Pending Feedback)

Transform the current upload-only interface into a full conversational experience:

Planned Capabilities:

- **Pre-Upload Consultation:** Chat about script before submitting
- **Clarification Questions:** AI asks about genre, target audience, etc.
- **Post-Analysis Discussion:** Interactive Q&A about report findings
- **Development Guidance:** Specific improvement recommendations
- **Comparative Analysis:** Compare multiple script versions

6.3 Long-Term Enhancements

Additional considerations for future versions:

- **Batch processing:** Multiple script evaluation
- **Comparison mode:** Side-by-side analysis of revisions
- **Custom templates:** Genre-specific evaluation emphases
- **Integration APIs:** Connect with [redacted] internal systems
- **Analytics dashboard:** Track submission trends and score distributions

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7 Conclusion

SHIZA has successfully delivered a **closed-beta production-ready testing Phase 1 system** that:

Automates the complete[redacted] evaluation process
Maintains framework precision and compliance
Processes scripts in 3-6 minutes with 100% reliability
Generates professionally formatted reports
Preserves document confidentiality throughout

Current Status: Closed beta, ready for [redacted] team testing.

Next Steps: Gather feedback, refine edge cases, prepare Phase 2 implementation.

7.1 Contact & Support

For technical questions, feature requests, or issue reporting:

SHIZA Labs
Email: [tech@shiza.ai]

This document is confidential and proprietary to [redacted] *and SHIZA.*