BrainSAIT Healthcare AI Platform - Proposal for King Fahad Medical City

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Document Type:	Business Proposal
Department:	Technology
Version:	1.0
Date:	November 07, 2025
Author:	BrainSAIT
Classification:	CONFIDENTIAL - RECIPIENT ONLY

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Introduction

BrainSAIT is pleased to present this comprehensive proposal for implementing our Healthcare AI Platform at King Fahad Medical City. Our solution delivers NPHIES-compliant, bilingual healthcare technology with proven ROI and exceptional user experience.

Our Expertise: Over 5 years of healthcare technology development, registered OID (1.3.6.1.4.1.61026), HIPAA compliance, and deep understanding of Saudi healthcare regulations.

Proposed Solution

Core Platform Components:

• DocuLINC Lite: Intelligent document processing with OCR and AI classification

• ClaimLINC Monitor: Real-time claims tracking and NPHIES integration

• Voice2Care Studio: Voice-enabled clinical documentation

• HealthBot Arabic: Bilingual patient engagement chatbot

• Compliance Dashboard: Real-time audit and compliance monitoring

Technical Specifications

Architecture: Cloud-native, microservices-based, with 99.9% uptime SLA

Security: End-to-end encryption, role-based access, comprehensive audit logs

Integration: RESTful APIs, FHIR R4 support, HL7 compatibility, NPHIES-native

Scalability: Handles 1000+ concurrent users, 50K+ transactions per day

Languages: Full Arabic and English support with RTL/LTR layouts

Implementation Timeline

We propose a phased implementation approach to minimize disruption and ensure smooth adoption.

Phase	Duration	Deliverables	Milestone
1. Discovery	2 weeks	Requirements analysis, integration planning	Signed SOW
2. Setup	3 weeks	Infrastructure setup, initial configuration	Environment ready
3. Integration	4 weeks	NPHIES integration, data migration	Systems connected
4. Training	2 weeks	User training, documentation	Staff certified
5. Go-Live	1 week	Production deployment, monitoring	System operational

Investment & ROI

Implementation Investment: SAR 450,000 (one-time)

Monthly Subscription: SAR 35,000 (includes support, updates, hosting)

Expected ROI: 6-8 months through:

• 40% reduction in claims processing time

• 25% decrease in claim rejection rates

• 50% improvement in documentation efficiency

• 30% reduction in compliance audit preparation time

Support & Maintenance

24/7 Technical Support: Bilingual support team with <2 hour response time

Regular Updates: Monthly feature releases and security patches

Training Programs: Quarterly refresher training and new feature workshops

Compliance Monitoring: Continuous compliance checks and annual audits