1. Project Background
   1. Project Management
      1. Business Case
         1. Executive summary
            1. Issue
            2. Anticipated Outcomes
            3. Recommendation
         2. Business case analysis team
         3. Problem definition
            1. Problem statement
            2. Organizational Impact
            3. Technology Migration
         4. Project Overview
            1. Project description
            2. Goals and objectives
            3. Project overview
            4. Project assumption
            5. Major project milestones
         5. Strategic Alignment
         6. Cost benefit analysis
         7. Approvals
      2. Project charter (with Gantt Chart)
      3. Stakeholder Strategy
         1. Introduction
         2. Identify stakeholders
         3. Key stakeholders
         4. Stakeholder analyst
   2. Project Planning
      1. Project management plan
         1. Introduction
         2. Project management approach
         3. Project scope
         4. Milestone list
         5. Schedule baseline and WBS
         6. Change management plan
         7. Cost management plan
         8. Project scope management plan
         9. Schedule management plan
         10. Quality management plan
         11. Risk management plan
         12. Cost Baseline
      2. Risk management plan
         1. Introduction
         2. Top three risk
         3. Risk management approach
         4. Risk identification
         5. Professional evaluation
         6. Risk analysis
         7. Risk analysis gathering
         8. Historical assessment or related projects
         9. Risk qualification and prioritization
         10. Risk monitoring
         11. Risk mitigation and avoidance
         12. Risk register
      3. Scope management plan
         1. Introduction
         2. Scope management approach
         3. Roles and responsibilities
         4. Scope definition
         5. Project scope statement
         6. WBS
         7. Scope verification
         8. Scope control
   3. Project Execution plan
      1. Implementation and migration plan
         1. Purpose
         2. Description of implementation
         3. Points of contact
         4. Major task
         5. Implementation Schedule
         6. Security
         7. Implementation Support
         8. Listing of hardware, software and facilities
         9. Performance Monitoring
         10. Implementation Requirements (Hardware/Software0
         11. Personnel
         12. Facilities
         13. Back Out Plan
         14. Post Implementation Verification
   4. Project Closure
      1. Transition-out plan
         1. Executive Summary
         2. Transition Approach
         3. Transition Team Organization
         4. Work Transition
         5. Work Execution during Transition
         6. Subcontracts
         7. Property Transition
            1. Government Furnished Equipment (GFE)
            2. Incumbent Owned Equipment
            3. Intellectual Property
            4. User Accounts and Passwords
         8. Knowledge Transfer
         9. Schedule
         10. Handover and Acceptance
      2. Project acceptance
      3. Post project review
         1. Project Summary
            1. Project Team and Staffing
            2. Project Deliverable (Planned vs. Actual)
            3. Transition to Operations
         2. Project Costs
         3. Project Schedule
         4. Recommendations
   5. Technical solution design
   6. System architecture (Top level1 -> EIS, Top level 2 -> Group)
      1. Business Process Architecture
      2. Application Architecture
      3. Data Architecture
      4. Technology Architecture
2. Product Backlog
   1. Product backlog (user stories) Table
      1. User Story number
      2. User Stories
      3. User Story Priority
      4. Requirements Reference
      5. Revise Priority
      6. Status
   2. Product Backlog for EIS Information Security
   3. Product Backlog for EIS Standards
      1. UI/UX (Icons, color, etc.)
   4. Product Backlog for integration
   5. Product Backlog for analytics
      1. Application System Analytics
      2. EIS Analytics
3. Sprint backlog
   1. Sprint backlog table
      1. User stories
         1. User Story Number
         2. User Stories
         3. Task (1…n)
         4. User Story Points (Hours)
         5. Responsible team member
      2. Information security
         1. IS Number
         2. IS Description
         3. Task (1…n)
         4. EIS Standard Points
         5. Responsible Team Member
      3. EIS standard
         1. Standard Number
         2. Standard Description
         3. Task (1...n)
         4. Integration Points
         5. Responsible Team Member
      4. EIS integration
         1. Integration Number
         2. Integration Description
         3. Task (1…n)
         4. Integration Points
         5. Responsible Team Member
      5. Analytics
         1. Analytics Number
         2. Analytic Description
         3. Task (1…n)
         4. Analytics Points
         5. Responsible Team Member
4. EIS Implementation Model
   1. Information and Data Management
      1. Data Integration Model
      2. Data Migration Strategies
      3. Data Analytics (Business Intelligence Framework)
      4. Privacy and Security
      5. Backup, Retention, and Disposal
   2. Information Security
      1. Application Security
      2. Infrastructure Security
      3. Cloud/ Web Service Security
      4. Cryptography
      5. incident Response
      6. Vulnerability Management
      7. Disaster Recovery
   3. Network Design and implementation Model
      1. Design Architecture
      2. implementation Framework
      3. Prototype Application
5. Recommendations and conclusion

Appendices:

Appendix A Detailed System Architecture/ Reference requirements

A.1 Business Process Architecture (Business Process Model)

A.2 Application Architecture

A.2.1 UML- Use Case Diagram

A.2.2 UML- Detailed Diagrams

A.2.3 UI Navigation Diagram

A.2.4 UIs (Design Layout)

A.3 Data Architecture

A.3.1 ERD

A.3.2 Class Diagram

A.3.3 Data Dictionary

A.4 Technology Architecture

Appendix B Deployment Diagram

Appendix C Adviser Acceptance (Functional)

Appendix D Sprint Burndown Charts (per sprint) Signed by the adviser

Appendix D.1 Individual burndown charts per member

Appendix B Deployment Diagram

Appendix E Requirements Traceability Matrix (PB, Test Scenarios, status

Appendix F Panel Evaluation and Signature (Plus photo ops during defense)

Appendix G Pilot Companies Background with proofs of interviews

Appendix H USB Copy of the codes (reliable USB)

Appendix I IMRAD Format Summary

Appendix J Comparison of the EIS to existing EIS’s (5 Pages)

Appendix K Operation Manual (10 Pages max, 5 Pages min)