PARKVIEW HEALTH

PROJECT PROPOSAL

Hospital Management Dashboard Overview

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Agenda

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Project Overview

This project aims to modernize hospital data management through a powerful, **real-time dashboard.** It enhances operational efficiency, improves patient care, and supports data-driven decision-making across departments.

OBJECTIVES

- Hospital Management Dashboard
- Enhance Hospital Efficiency
- Enable Real-Time Monitoring
- Support Data-Driven Decisions

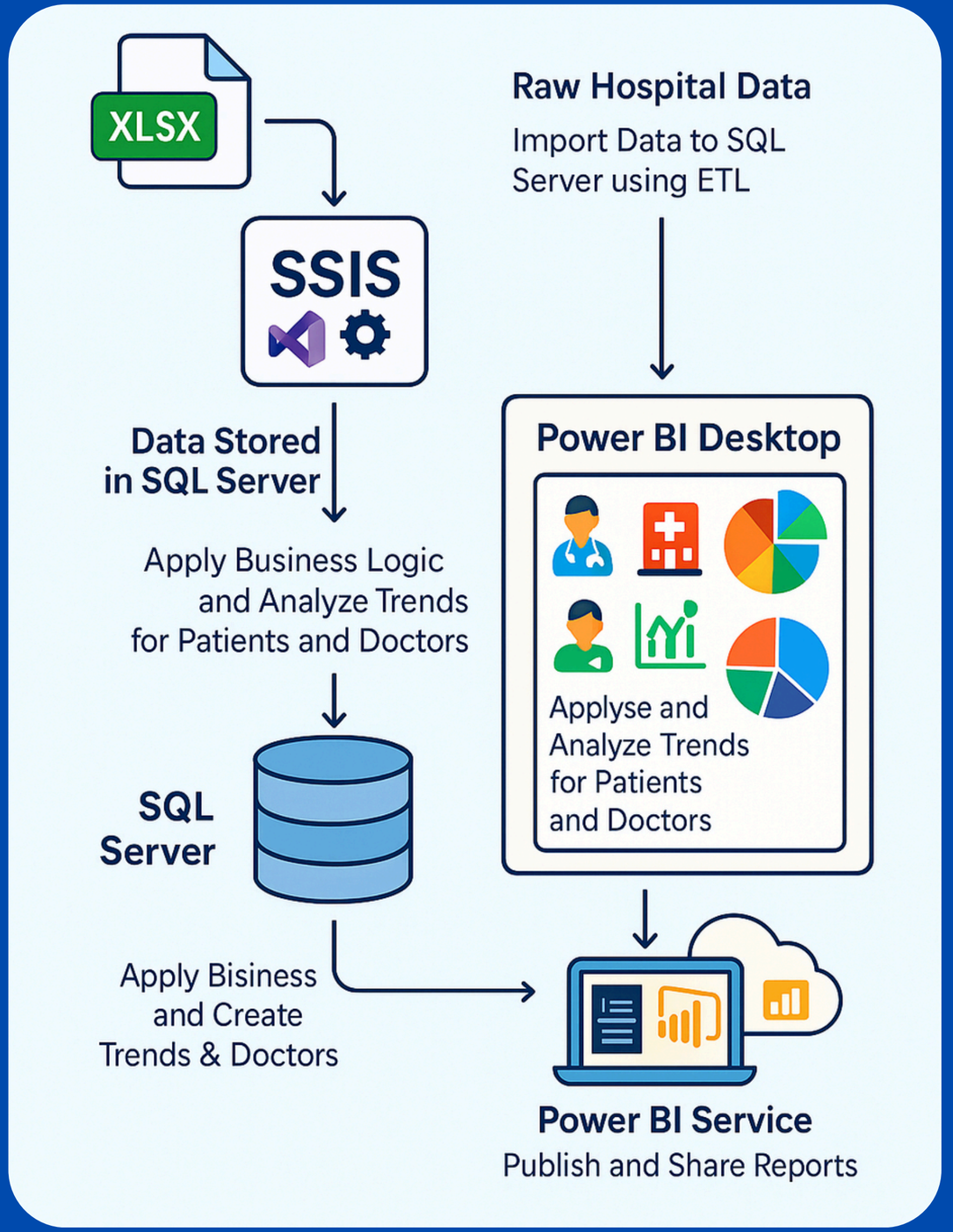
GOALS

- Improve Patient Outcomes
- Design Interactive Dashboards
- Deploy to Power BI Service
- Ensure Scalability & Flexibility

Hospital Management Dashboard Overview

This page outlines the workflow for the entire project. This project follows a structured ETL and analysis pipeline to transform raw hospital data into meaningful insights. From data collection to final dashboard sharing, each step ensures accuracy, efficiency, and clarity for healthcare decision-making.

- Data Source: Raw hospital data is collected from Excel files.
- ETL Process: SSIS is used to extract, transform, and load data into SQL Server.
- Data Storage: Cleaned data is stored in SQL Server with applied business logic.
- Data Analysis: Power BI Desktop connects to SQL Server to analyze trends for patients and doctors.
- Report Sharing: Final dashboards are published to Power BI Service for easy sharing and real-time access.



Scope

Requirements Gathering

Data Source Discovery

Data Pipeline Setup

Power BI Dashboard Development

Tools & Technologies

This project leverages a set of powerful data and business intelligence tools to ensure efficient data integration, modeling, and visualization. Each tool is selected to handle specific phases of the ETL and dashboard development process.

Tools Used:

- **Microsoft Excel**
- Raw data source – Patient, doctor, and treatment records.
- **SSIS (SQL Server Integration Services)**
- ETL tool – Extracts data from Excel, transforms it, and loads into SQL Server.
- **SQL Server**
- Data storage – Stores cleaned data with applied business logic.
- **Power BI Desktop**
- Dashboard development – Connects to SQL Server to create interactive visuals.
- **Power BI Service**
- Report publishing – Shares dashboards online for real-time access.

Project Timeline

Week 1

REQUIREMENTS GATHERING

Collecting essential needs from stakeholders and users

Week 1-2

DATA SOURCE DISCOVERY

Identifying relevant data sources for the project

Week 2-3

DATA PIPELINE & MODELING

Establishing Data Flow for Processing and Schema Design

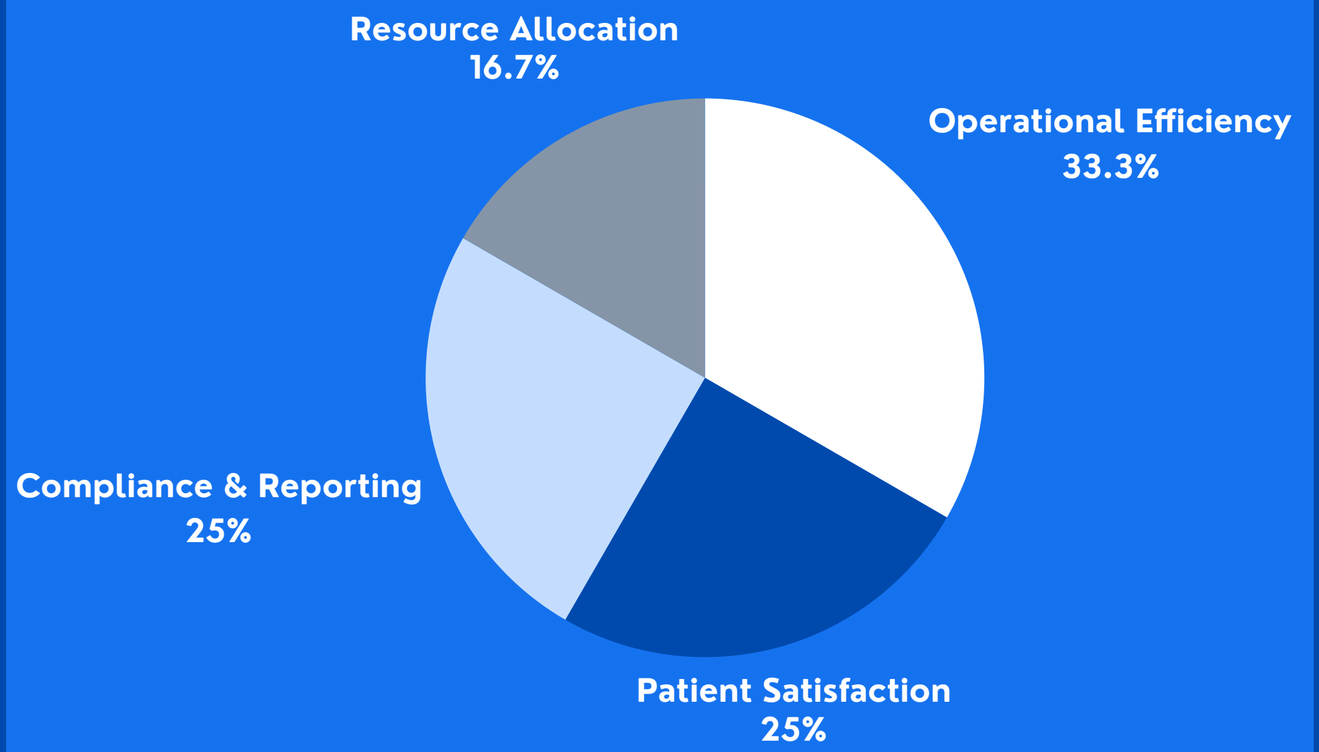
Week 3-4

DASHBOARD DEVELOPMENT & HANDOVER

Create and upload an interactive Power BI dashboard to the Power BI Service.

Expected Business Outcomes

The data shows significant improvements in operational efficiency. The dashboard implementation is expected to streamline workflows, enhance decision-making, increase patient satisfaction, and ensure compliance through accurate, automated reporting.



Expected outcomes for 2025

Get in Touch for Inquiries

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PARKVIEW HEALTH

Thank you!

Thank you for your time and consideration.
Looking forward to collaborating on data-driven healthcare solutions!