

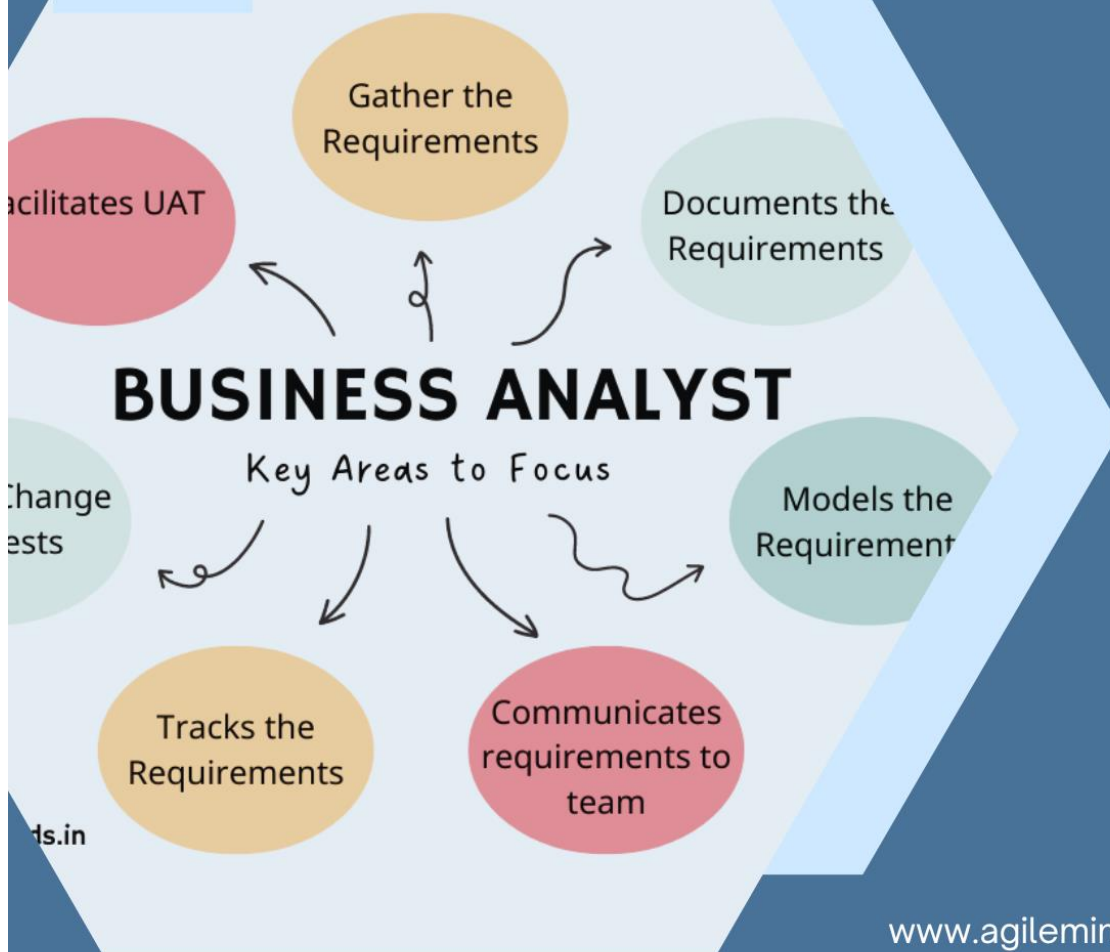
First Edition

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BUSINESS REQUIREMENT DOCUMENT

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Business Requirement Document

*Project Title: Introduction of Pediatric Ward
Module in Hospital Management System*

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1. Introduction

1.1 Purpose of the Document

The purpose of this Business Requirements Document (BRD) is to outline the business objectives, current state assessment, proposed solution, and detailed requirements for the introduction of a Pediatric Ward Module into the existing Hospital Management System (HMS) at HealthCare Hospital.

1.2 Project Scope

This project aims to enhance the existing HMS by incorporating a dedicated Pediatric Ward Module. The scope includes the development and integration of features to manage pediatric patient data efficiently.

1.3 Document Overview

This document provides a comprehensive understanding of the objectives, current challenges, proposed solution, and detailed business requirements for the Pediatric Ward Module project.

2. Business Objectives

2.1 Objective 1: Introduction of Pediatric Ward Module

Description: To incorporate a Pediatric Ward Module into the HMS.

Priority: High

2.2 Objective 2: Enhance Pediatric Patient Record Keeping

Description: To improve the management of pediatric patient medical records and care processes.

Priority: High

3. Current State Assessment

3.1 Description of Current Hospital Management System

The current HMS lacks a dedicated module for pediatric patient management. It primarily focuses on adult patient care.

3.2 Hospital Workflow

The absence of a Pediatric Ward Module results in inefficient pediatric patient care and data management. Pediatric patients are currently managed within the same framework as adult patients.

3.3 Opportunities for Improvement

Introducing a Pediatric Ward Module would streamline pediatric patient management within the HMS, improving overall hospital efficiency and patient care quality.

4. Proposed Solution

4.1 High-Level Overview of the Proposed Solution

The proposed solution involves the development and integration of a dedicated Pediatric Ward Module within the existing HMS. This module will include features for pediatric patient registration, medical record management, and care coordination.

4.2 Rationale for the Proposed Solution

The introduction of the Pediatric Ward Module aligns with the hospital's objective to enhance pediatric patient care. It offers specialized tools to manage pediatric patient data efficiently and provide child-centric care.

4.3 Solution Benefits

The implementation of the Pediatric Ward Module is expected to yield several benefits, including improved pediatric patient care, streamlined workflows, enhanced data management, and increased patient satisfaction.

5. Business Requirements

5.1 Functional Requirements

5.1.1 FR1: Pediatric Patient Registration

Description: Develop a feature for registering pediatric patients within the HMS.

Priority: High

Acceptance Criteria: The HMS should include functionality for recording pediatric patient information accurately.

5.1.2 FR2: Pediatric Medical Record Management

Description: Implement a module for managing pediatric patient medical records within the HMS.

Priority: High

Acceptance Criteria: The Pediatric Ward Module should enable the creation, updating, and secure storage of pediatric patient medical records.

5.2 Non-Functional Requirements

5.2.1 NFR1: User Training

Description: Provide training to hospital staff for effectively using the new Pediatric Ward Module.

Priority: High

Acceptance Criteria: Hospital staff should be proficient in using the module for pediatric patient management.

5.2.2 NFR2: Data Security

Description: Ensure the security and privacy of pediatric patient data, complying with medical regulations.

Priority: High

Acceptance Criteria: Pediatric patient data should be safeguarded against unauthorized access or breaches.

6. User Profiles

6.1 Hospital Staff

Role: Hospital staff members responsible for managing pediatric patient data.

Responsibilities: Registering pediatric patients, maintaining medical records, and using the Pediatric Ward Module.

6.2 Pediatric Medical Staff

Role: Pediatricians and nurses specializing in child care.

Responsibilities: Accessing and updating pediatric patient records, ensuring quality pediatric patient care.

7. Use Cases

7.1 Pediatric Patient Registration

Actors: Hospital Staff

Description: Process for registering pediatric patients in the HMS.

Preconditions: Hospital staff have access to the HMS.

Postconditions: Pediatric patient data is recorded in the system.

Flow of Events:

Hospital staff log in to the HMS.

Hospital staff select the Pediatric Ward Module.

Hospital staff enter patient details.

HMS records pediatric patient information.

8. Constraints and Assumptions

8.1 Constraints

Constraint 1: Budget Constraint

Description: The total project budget is limited to INR 5,00,000.

Constraint 2: Timeline Constraint

Description: The project must be completed within 6 months.

8.2 Assumptions

Assumption 1: Availability of Qualified IT Resources

Description: It is assumed that qualified IT resources will be available for system development and implementation.

9. Risk Assessment

9.1 Identified Risks

Risk 1: Delays in Module Development and Integration

Impact: High

Probability: Medium

Mitigation Plan: Regular project status reviews and contingency planning.

Risk 2: Resistance to Change Among Hospital Staff

Impact: High

Probability: Low

Mitigation Plan: Comprehensive user training and change management efforts.

10. Sign-Off

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