Batch: A1	**Roll No.: 16010123012**
Experiment / assignment / tutorial No.: 08	
Grade: AA / AB / BB / BC / CC / CD /DD	
Signature of the Staff In-charge with date	

Configuration & Change Management
Project: MediSlot - Smart Medical Appointment Scheduler

Configuration Management (CM) Plan
1. Introduction to Configuration Management
As outlined in the Software Project Management Plan (SPMP), Configuration Management (CM) is the process of identifying, organizing, and controlling all project artifacts including software code, documentation, and design models throughout the development lifecycle. The goal is to ensure that every team member works on the correct version, all updates are properly tracked, and any changes are documented and traceable for quality and reliability.

2. Chosen CM Tool: Git
Version Control: Git keeps detailed version histories for all files, from code to diagrams and documentation.

3. CM Process for MediSlot
All Software Configuration Items (SCIs) including frontend code, backend code, database scripts, SRS, SPMP, UML diagrams, and UI mockups are stored in a central Git repository.

Software Requirements Specification (SRS) Change Log
1. Purpose of Change Management
Change is a normal and necessary part of software development. A formal change management process ensures that all new feature requests or modifications to the approved SRS are reviewed, approved, and documented properly. This prevents confusion, maintains system stability, and ensures that all project members are aligned with the latest requirements.

2. Change Request: CR-001 (Payment Gateway Integration)
Change Request ID: CR-001
Submitted By: Development Team
Reason for Change:
To make the appointment process smoother and more complete, a UPI-based payment gateway has been proposed. This allows patients to pay consultation fees online during the appointment booking process, eliminating the need for cash payments.
Status: Approved

3. Change Request: CR-002 (Document Upload & Health History View)
Change Request ID: CR-002
Submitted By: Doctor Team / QA Team
Reason for Change:
During testing, it was noted that doctors could view appointment details but not access detailed patient history or past medical documents. To improve diagnosis accuracy, a feature was proposed allowing patients to upload health documents (e.g., prescriptions, lab reports) and for doctors to view past medical history and

uploaded files during appointments.
Status: Approved

4. SRS Amendments (Original vs. New)

Original Requirements:

REQ-9: The system shall allow patients to book appointments with available doctors.

REQ-10: The system shall display appointment confirmation and details.

Amended / New Requirements:

REQ-9 (Amended): The system shall allow patients to book appointments and make payments securely via UPI gateway.

REQ-9.1 (New): The system shall generate a digital payment receipt and store it with the appointment record.

REQ-11 (New): The system shall allow patients to upload health documents (PDF, images, or reports) under their profiles.

REQ-12 (New): The system shall allow doctors to view past appointments, patient medical history, and uploaded health documents.

5. Impact Analysis

This change affects multiple parts of the MediSlot system:

System Design: Update Use Case Diagram to include "Make Payment" and "Upload Documents". Modify Class Diagram and ER Diagram to include entities for Payment and HealthDocument.

Database Schema: Add tables for Payment (payment_id, amount, method, status) and Documents (document_id, file_name, file_path, patient_id).

Test Plan: Add new test cases such as MS-PAY-001, MS-PAY-002, MS-DOC-001, MS-DOC-002 to verify payment and document upload functionality.

UI Design: Add payment section in booking flow and upload documents option in the patient dashboard.

User Documentation: Update help guide to include steps for payment and document uploads.

Conclusion:

The new UPI Payment and Document Upload & History Viewing features enhance MediSlot's usability and practicality. They make appointment booking faster, more reliable, and more informative for doctors and patients alike. The configuration and change management process ensures every update is implemented systematically, tested thoroughly, and documented clearly for future maintenance.