

# Software Configuration Management Plan

## 1. Introduction

This document defines the Software Configuration Management (SCM) activities for the **Food Delivery & Table Reservation Application** project. The purpose of SCM is to ensure that all software components, documents, and changes are systematically identified, controlled, and tracked throughout the project lifecycle.

## 2. Configuration Identification

The following configuration items will be identified and maintained:

- Source code files (frontend and backend)
- Database scripts and schemas
- Requirement documents (SRS)
- Design documents and diagrams
- Test plans and test cases

## 3. Configuration Control

- All change requests will be documented and reviewed.
- Changes will be approved by the project guide or team lead.
- Version control tools will be used to manage updates.
- Only authorized team members can modify configuration items.

## 4. Configuration Status Accounting

- All configuration changes will be recorded.
- Version history and change logs will be maintained.
- Status reports will be generated to track current versions and update.
- Documentation will reflect the latest approved changes.

## 5. Configuration Audits

- Periodic audits will be conducted to verify configuration items.
- Audits ensure that correct versions are used.
- Any discrepancies identified will be corrected.
- Final audit will be performed before project submission.