College of Engineering
Software Engineering Department

Title: Intelligent parking management system

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Configuration Item (CI) Register – IPMS

Purpose of the CI Register

This Configuration Item (CI) Register provides a formal record of all configuration items identified for control under the Software Configuration Management Plan (SCMP) for the Intelligent Parking Management System (IPMS). The register ensures visibility, traceability, ownership, and status tracking of all controlled artifacts throughout the project lifecycle. This document itself is a controlled configuration item.

Scope and Applicability

This CI Register applies to all project-level artifacts produced during the IPMS project, including planning documents, technical documents, source code, data files, change management records, baselines, releases, and audit reports. All items listed in this register are subject to configuration control as defined in the SCMP.

CI Identification Principles

Configuration items are selected based on the following principles:

- Impact on system functionality or documentation integrity
- Requirement for version control and traceability
- Inclusion in baselines or releases
- Susceptibility to change

Each CI is uniquely identifiable through its name, version, category, and repository location.

CI ID	CI Name	Version	Category	owner	status
CI-01	SCMP	V1.0	Documentation CI	Meron Kassahun	Approved
CI-02	CI Register	V1.0	Documentation CI	Meron Getaneh	Approved
CI-03	Requirements Specification	V1.0	Documentation CI	Meron Getaneh	Approved
CI-04	UI Mockups	V1.0	Document CI	Hilina Fiseha	Draft

CI-05	index.html (Login Page)	V1.0	Source code CI	Hilina Fiseha	Active
CI-06	dashboard.html / main.html	V1.0	Source code CI	Kaleb Demisse	Active
CI-07	parking.js	V1.0	Source code CI	Kaleb Demisse	Active
CI-08	style.css	V1.0	Source code CI	Hilina Fiseha	Active
CI-09	parking.json (Simple Database)	v1.0	Data CI	Kaleb Demisse	Active
CI-10	README.md	v1.0	Documentation CI	Meron Getaneh	Approved
CI-11	Change Request Form	v1.0	Change Management CI	Mesud Ahmed	Approved
CI-12	Change Log	v1.0	Change Management CI	Mesud Ahmed	Active
CI-13	Baseline Record – BL1	v1.0	Baseline CI	Meron Kassahun	Approved
CI-14	Baseline Record – BL2	v1.0	Baseline CI	Meron Kassahun	Planned
CI-15	Release Notes v1.0	v1.0	Release CI	Meron Kassahun	Planned
CI-16	Release Notes v1.1	v1.0	Release CI	Meron Kassahun	Planned
CI-17	Configuration Audit Report (PCA & FCA)	v1.0		Kirubel Eskinder	Planned

Versioning and Status Control

Each CI version is incremented in accordance with the versioning rules defined in the SCMP. CI status values include Draft, Active, Approved, Planned, and Retired. Changes to any CI require an approved change request once the CI has been baselined.

Ownership and Responsibility

Each configuration item has a designated owner responsible for maintaining its accuracy, initiating updates, and ensuring compliance with SCM procedures. Ownership assignments support accountability and traceability.

Maintenance of the CI Register

This CI Register is maintained by the Documentation Owner under the oversight of the SCM Coordinator. Updates to this register are controlled through the change management process and reviewed at defined project milestones.

Approval

Prepared by: Documentation Owner
Reviewed by: SCM Coordinator
Approved by: Project Team
Version: v1.0
Date: _December 15, 2025