



AI Change Documentation + Approval Agent

Transforming how construction projects handle scope changes through intelligent automation and seamless documentation.

The Problem: Money Lost in Translation

Construction projects routinely lose significant revenue due to poorly documented scope changes.

Critical decisions are made during WhatsApp calls or informal conversations, then disappear into the void of memory.

The consequences are severe: payment disputes, project delays, and strained relationships between stakeholders.



Informal Communication

Changes discussed casually without proper records



Payment Disputes

Forgotten agreements lead to costly conflicts



Project Delays

Untracked changes disrupt schedules and budgets

To solve this critical industry challenge, I built an **AI-powered Change Documentation + Approval Agent** that captures, structures, and tracks every scope change automatically.

Real-World Scenario in Action



The Request

Client: Ram Kumar

Project: Villa Grande

Location: Living Room T01

| *"Add 2 large windows to Living Room T01 to improve lighting."*



Portal Submission

Ram opens the project portal and submits his change request with clear specifications



AI Analysis

The agent instantly captures details, validates against project data, and structures the information



Automated Documentation

Complete change order generated with cost estimates, timeline impacts, and approval workflow

The Solution: System Architecture

