PROJECT PROPOSAL DOCUMENT

Project Title: PaintNova ColorLab Business Operations Management System

 Document Information

Project Name	PaintNova ColorLab System
Version	1.0
Date	23/01/2026
Authors	Abdalla Horera Fadhili Sharifa Mohamed Ali Amina Juma Hamad
Status	Draft

1. Executive Summary

The PaintNova ColorLab System handles its daily operations by using manual processes to manage order processing, inventory control, payment handling and report generation. The existing methods create three problems which include lower efficiency rates, less precise results and restricted access to management information. The PaintNova ColorLab Business Operations Management System provides an internal web based system which transforms core business operations through digital transformation and process improvement. The system will support internal stakeholders only, including the Director, Financial Controller, and Workers, while maintaining physical customer interactions. The project delivers value through its ability to enhance operational performance and accurate record maintenance and error reduction and real time reporting which supports improved decision making.

2. Project Background

The PaintNova ColorLab System must achieve three critical requirements which include providing timely service delivery and maintaining accurate inventory control and establishing financial accountability. The business currently records customer orders through manual entry but however encounters problems with inventory tracking and experiences delays in producing financial disclosures. The current situation creates problems which result in stock discrepancies and problems with daily sales tracking and businesses lack the ability to assess their overall performance.

The rising demand for tailored paint mixing solutions and fast service delivery creates a requirement for a single system which enables organizations to monitor their operational activities while they maintain their operational control.

3. Objectives

3.1 Overall Objective

The project aims to create and establish a business operations system which will improve operational effectiveness through better efficiency and precise results and more effective management of PaintNova ColorLab System core functions.

3.2 Specific Objectives

- To implement digital systems for handling customer order entry and approval operations.

- To create automated systems for tracking inventory levels and executing stock updates.

- To achieve precise control over payment records and sales data management.

- To produce operational and financial reports which management needs on a regular schedule.

3.3 Success Criteria and KPIs

- The order processing duration should decrease by a minimum of 30 percent.

- The inventory records must remain precise throughout the day without any instances of negative stock.

- Sales reports should be available for daily and weekly and monthly periods.

- The management team shows enhanced satisfaction with their reporting tools and decision supporting systems.

4. Project Scope

4.1 In-Scope

- The scope includes user management for internal users who include the Director and Financial Controller and Workers.

- The process involves creating orders which includes establishing prices and obtaining necessary approvals before order fulfillment.

- The system needs to handle both inventory management tasks and all transaction activities.

- The system will enable users to document payments while tracking their current status.

- The management team will use the system for both operational reporting and business analysis purposes.

-

4.2 Out-of-Scope

- The system does not allow customers to initiate online orders or process payments through the online platform.

- The system will not permit external suppliers or third parties to connect their systems with the existing platform.

- The organization will develop a mobile application but only after completing its initial development phase.

5. Implementation Plan

5.1 Technical Approach

The system will use a three layered architecture which separates its presentation layer from its business logic and data access functions. The backend system will run on Django while PostgreSQL will operate as the data management system.

5.2 Methodology

The project will use Agile development principles which enable teams to develop software through multiple iterations while maintaining continuous user feedback and releasing product updates.

5.3 Timeline

- Requirements Analysis: 2 weeks

- System Design: 2 weeks

- Development: 6 weeks

- Testing & User Training: 2 weeks

- Deployment: 1 week

6. Budget & Resources

6.1 Financial Requirements

- The organization will use open-source software development tools which do not require any licensing payments.

- The hosting costs will be low because users can choose between local server operation or cloud hosting services.

- The organization will conduct internal training sessions and create documentation materials.

6.2 Human Resources

- System Analyst / Developer

- Financial Controller (domain expert)

- Workers (operational advisors)

- Director (project sponsor)