



PROJECT 2: PROJECT MANAGER AI AGENT

1 Title

Project Title: AI-Powered Project Management Automation System

2 Abstract

This project introduces an AI-driven Project Management Automation System that enables conversational project control. The system integrates an AI Agent, workflow automation, Google Sheets data storage, and a real-time analytics dashboard. It automates status updates, tracks revenue, and improves project visibility through intelligent processing.

3 Problem Statement

Traditional project tracking relies on manual spreadsheet updates and fragmented communication. This leads to:

- Delayed status visibility
 - Manual coordination
 - Inefficient communication
 - Lack of centralized analytics
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4 Existing System

- Manual project updates
- No automation
- No conversational control
- Limited analytics

5 Proposed System

- AI-powered project update system
 - Automated workflow logic
 - Status tracking automation
 - Real-time dashboard analytics
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6 System Architecture

Layers:

1. User Interaction Layer
 2. AI Interpretation Layer
 3. Automation Engine
 4. Data Layer
 5. Dashboard Visualization
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7 Workflow Explanation

1. User sends instruction
 2. AI interprets intent
 3. Workflow selects tool
 4. Project data updates
 5. Dashboard refreshes
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8 Technology Stack

- n8n
 - OpenAI
 - Google Sheets
 - Lovable Dashboard
 - Gmail (if integrated)
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9 Prototype Screenshots

=> "We will share this with you shortly"

- n8n workflow screenshot
 - Dashboard screenshot
 - Google Sheets data view
 - Alert panel screenshot
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10 Features

- Conversational project updates
 - Status tracking
 - Revenue tracking
 - Client database view
 - Real-time analytics
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11 Scalability

- Modular system
 - Database migration ready
 - API integration potential
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12 Limitations

- Not enterprise-grade yet
 - Basic access control
 - Limited dependency modeling
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13 Future Scope

- AI-based timeline prediction
 - Multi-user collaboration
 - Task dependency engine
 - Advanced analytics
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14 Impact

- Reduced manual coordination
- Improved project visibility
- Faster reporting
- Better decision-making

15 Conclusion

The project demonstrates how AI-driven automation can enhance project operations by reducing manual overhead and enabling real-time intelligent updates.