WELCOME TO MID-TERM DEFENSE

(A complete web based)

PROJECT MANAGEMENT SYSTEM (PMS)

FOR

LP CONSTRUCTION PVT. LTD

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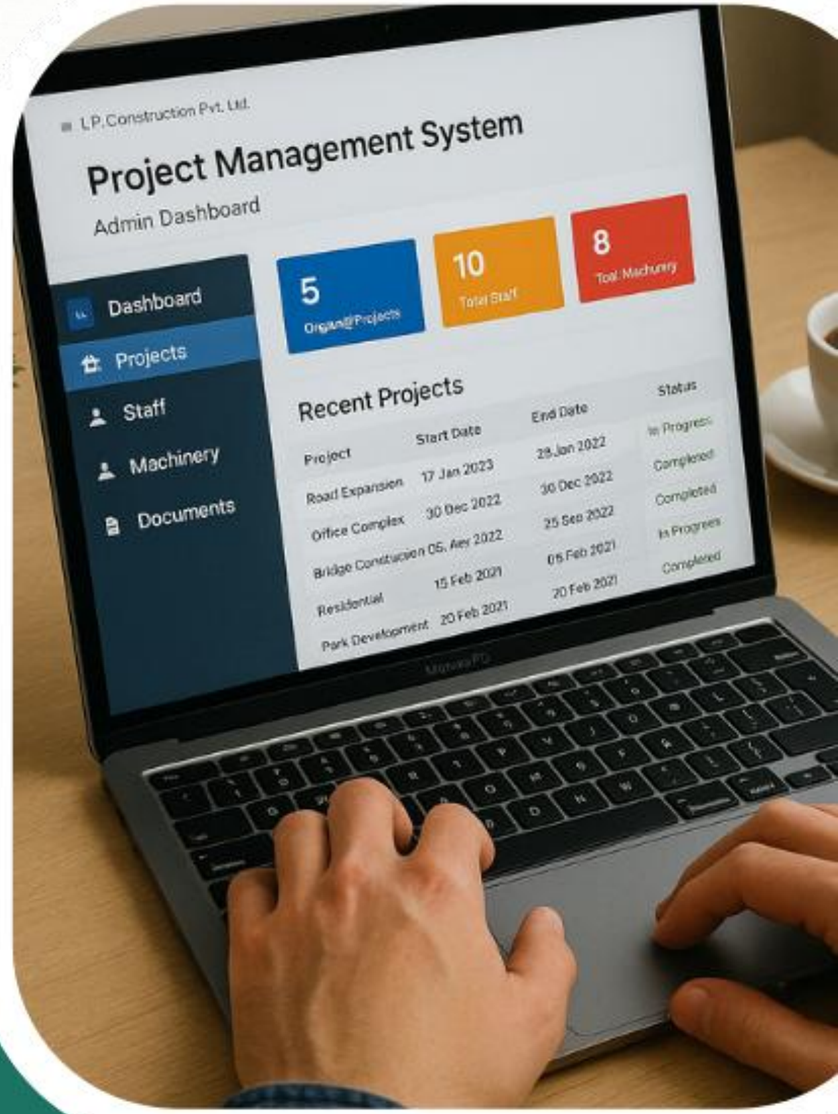
INTRODUCTION

- Web-based system developed for LP Construction Pvt. Ltd.
- Provides a centralized and efficient solution for managing infrastructure projects
- Replaces manual tracking methods like paper
- Improves coordination of timelines, staff, and equipment

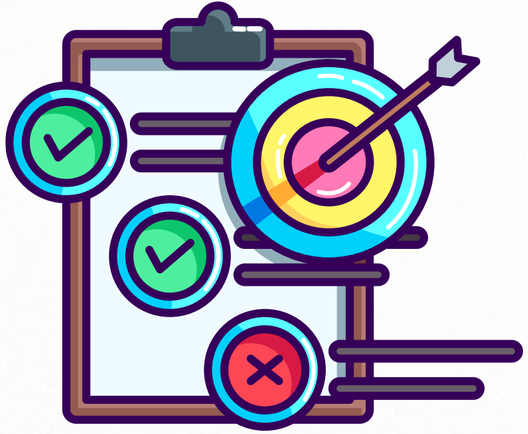


PROBLEM STATEMENT

Manual record-keeping causes delay, duplication, and data loss

No system to track which staff or machines are assigned to projects

OBJECTIVES



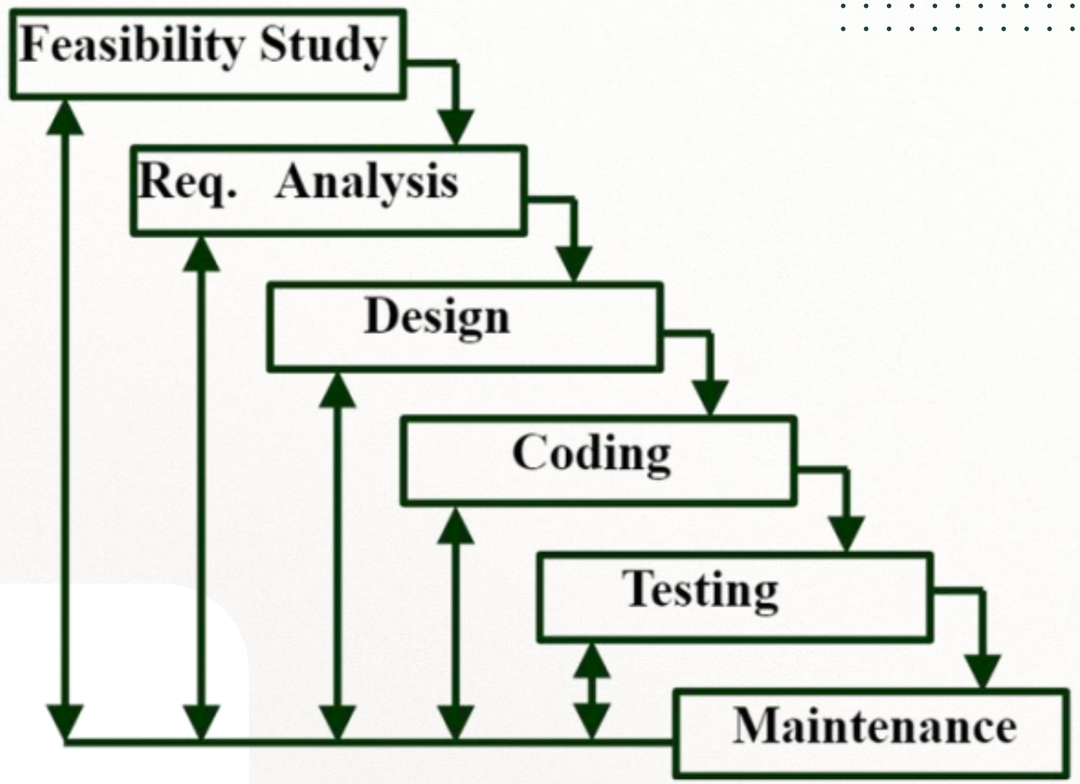
Develop a web-based system to manage construction projects, staff, and machinery.

Enable accurate tracking of staff and machine assignments per project.

DEVELOPMENT METHODOLOGY (ITERATIVE WATERFALL)

Reasons for Selection:

- Follows a structured, phase-wise approach
- Allows feedback and revisions between phases
- Suitable for projects with clear but evolving requirements
- Balances clarity and flexibility



REQUIREMENT IDENTIFICATION

Functional Requirements

- Admin Login/Logout
- Project Creation and Updates
- Assigning Staff and Machines

Hardware Requirements

- Laptop
- Printer
- Pen Drive

Non-functional Requirements

- User-Friendly Interface
- Secure Authentication
- Performance

Software Requirements

- Visual Studio Code
- XAMPP Server
- Google Chrome
- Microsoft Word
- GitHub

FEASIBILITY STUDY

A feasibility study analyzes whether a project is practical, cost effective, and beneficial before implementation.

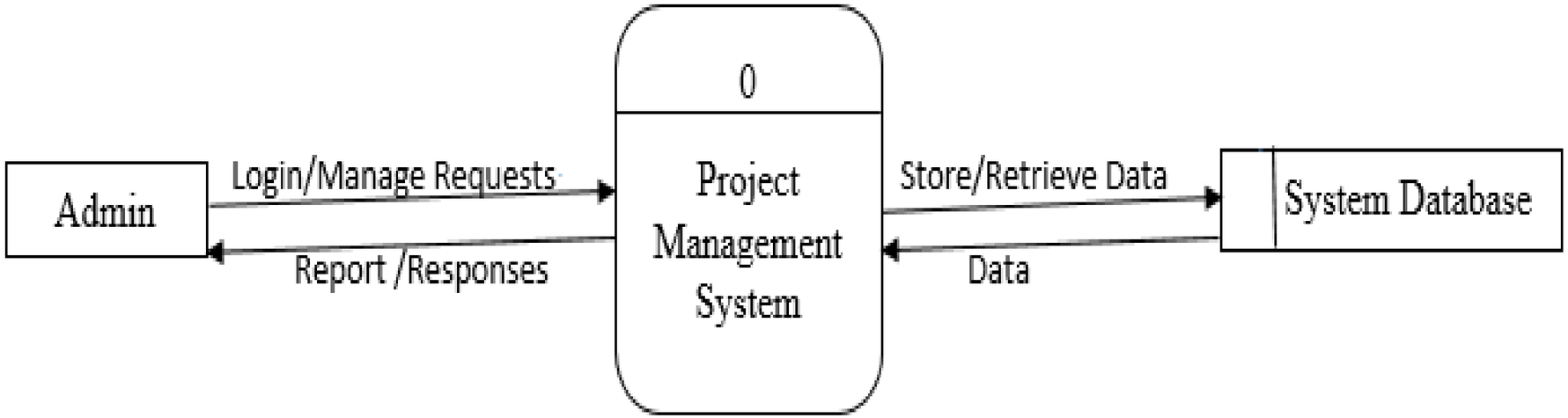
- **Technical Feasibility: Uses PHP, MySQL, HTML, CSS, JavaScript.**
  Web-based → accessible from anywhere with internet.
  Built on open-source & easily available tools.

- **Operational Feasibility: Simplifies project, staff, and machinery management.**
  Reduces errors, delays, and paperwork.
  User-friendly interface for administrators.

- **Economic Feasibility: Low development cost (open-source technologies).**
  Saves resources by eliminating manual record-keeping.
  Improves efficiency → time & cost savings in the long run.

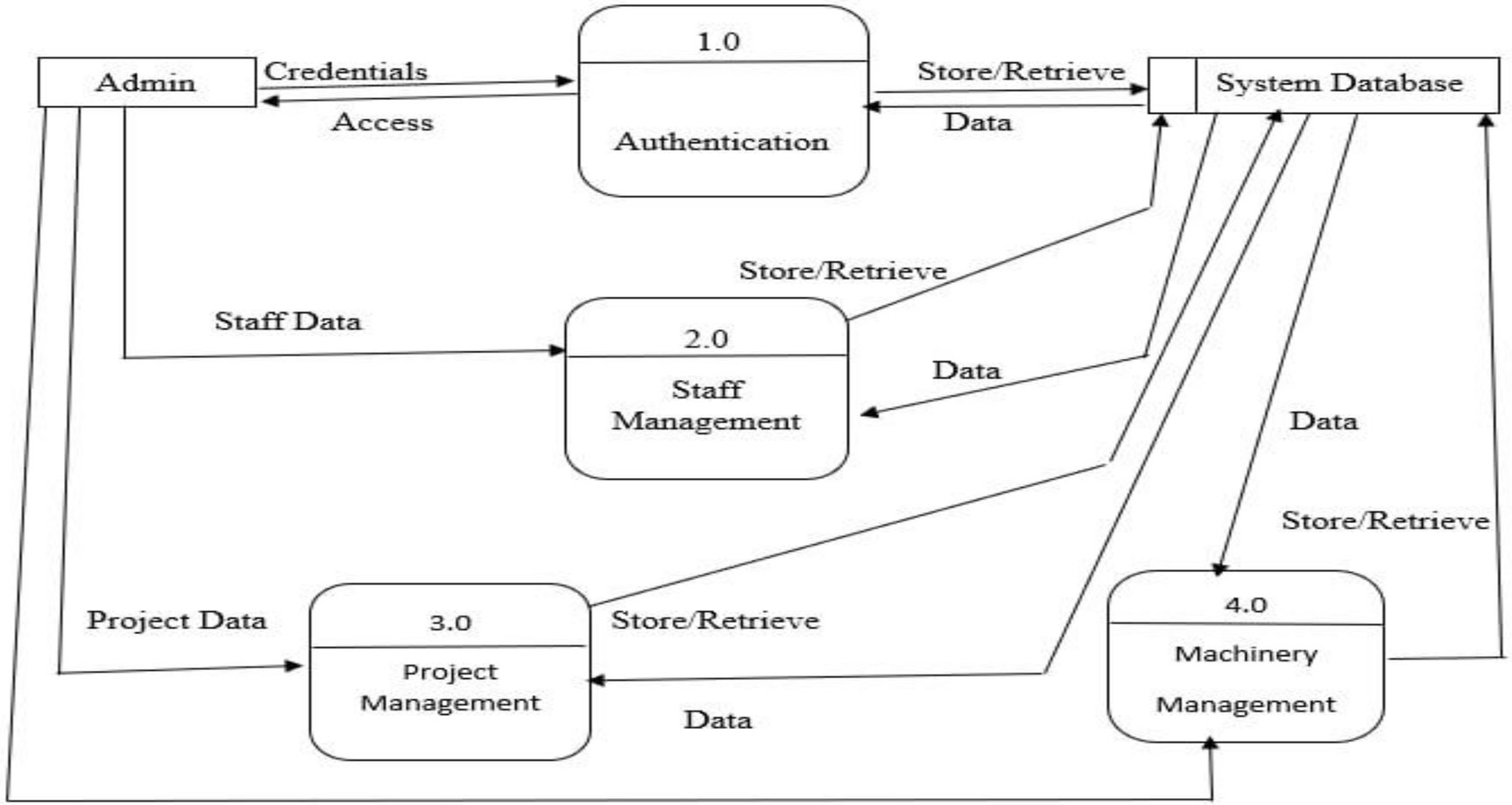
LITERATURE REVIEW

ANALYSIS TOOL: DFD Diagram



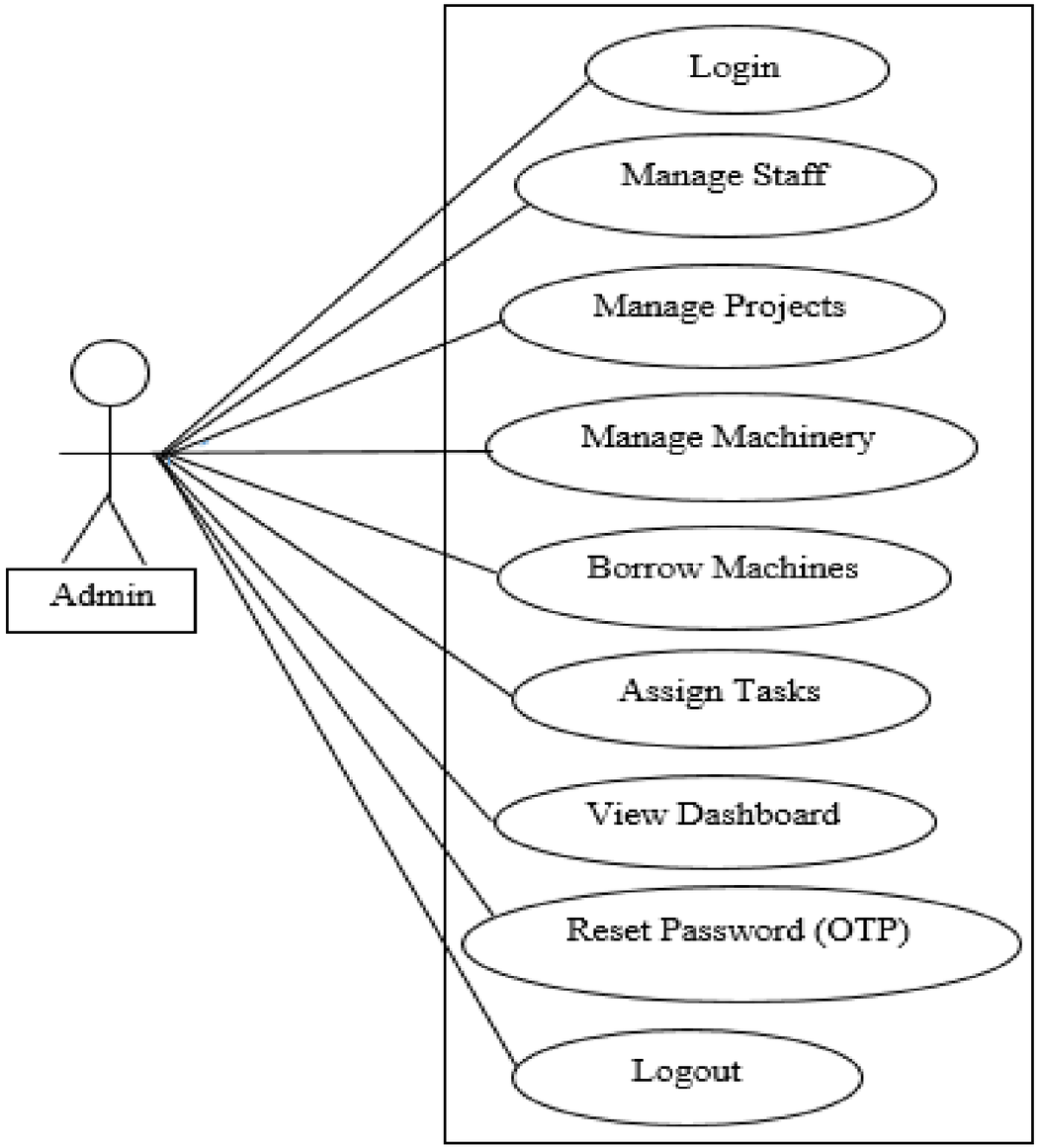
The Level 0 DFD (Data Flow Diagram)

ANALYSIS TOOL : DFD Diagram

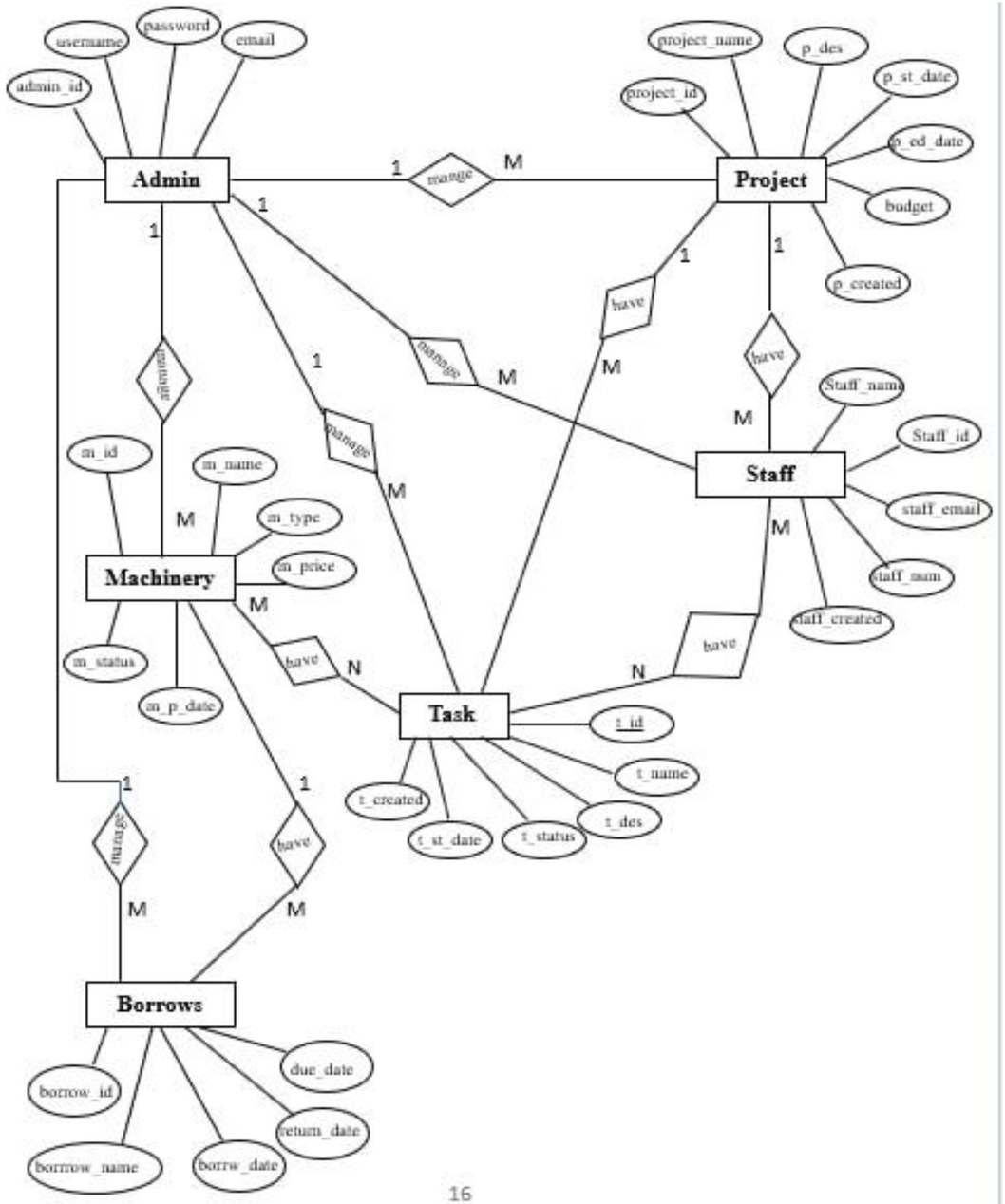


The Level 1 DFD (Data Flow Diagram)

ANALYSIS TOOL : USE-CASE Diagram



DESIGN TOOL : ER Diagram



IMPLEMENTATION TOOLS

FRONT-END

HTML

CSS

JAVASCRIPT

BACK-END

PHP

MySQL

EXPECTED OUTCOMES

- A fully working web-based management system
- Project Management
- Resource assignment
- Generate basic reports

PROJECT SCHEDULE

Tasks	Week-1	Week-2	Week-3	Week-4	Week-5	Week-6
Planning						
Data Collection & Analysis						
Implementation						
Maintenance						
Report writing						

PROJECT COST ESTIMATION

S.N	Items	Cost(Rs)
1.	Printing & Binding	Rs. 4000
2.	Internet	Rs. 1000
3.	Data Collection	Rs. 2000
4.	Miscellaneous	Rs. 1000
	Total	Rs. 8000

CONCLUSION

The Project Management System simplifies project tracking, staff assignment, and equipment management by replacing manual processes with a centralized web system. It improves efficiency, reduces errors, and supports better decision-making for LP Construction Pvt. Ltd.

For your time and valuable attention!