

This document outlines the timeline, cost, and key milestones to build and deploy **AgentPM**, a multi-agent AI web application simulating Product Manager tasks.

## ✓ Project Overview

**AgentPM** is a full-stack web application using modular AI agents to automate:








- Talent acquisition
- Roadmap planning
- Progress tracking
- GTM strategy
- Feedback analysis



The project is divided into:

1. **MVP (Minimum Viable Product)** — functional core with basic UI and API
2. **Final Version** — fully orchestrated agents, live API integrations, UX polish

## SOS Timeline & Milestones

**Start Date:** 20 June 2025 \ **Duration:** 12 Weeks

Week	Dates	Task	Description
1	20–26 Jun 2025	 Planning & Setup	Tech stack setup, repo structure, <code>.env</code> , mock data
2	27 Jun – 3 Jul	Talent Acquisition Agent	Resume parsing + JD matching logic
3	4–10 Jul	 Roadmap Planning Agent	Feedback clustering + roadmap generation
4	11–17 Jul	 Progress Monitoring Agent	Sprint/task tracker + blocker detection
5	18–24 Jul	 MVP QA + UI Polish	Connect UI + test flows + polish components
6	25–31 Jul	 MVP Deployment	Docker + GitHub Actions + deploy to Railway/Render
7	1–7 Aug	 GTM Strategy Agent	Generate campaign copy + user targeting
8	8–14 Aug	 Feedback Agent	Sentiment analysis + roadmap insight feedback loop

Week	Dates	Task	Description
9	15–21 Aug	CrewAI Orchestration (Part 1)	Build orchestrator script, agent role loading
10	22–28 Aug	CrewAI Orchestration (Part 2)	Multi-agent planning, agent-task routing
11	29 Aug – 4 Sep	 Dashboard & Analytics	Sprint overview dashboard, metrics charts
12	5–11 Sep	 Final QA & Go Live	Final testing, docs, and production release
			Week 12
			Production deploy, docs, onboarding slides

**Total Time:** 12 weeks (\~3 months)

## Team Resources & Tech Stack

Role	Tech Stack	Count	Duration	Rate/ Month	Total Cost (INR)
Frontend Developer	React, Vite, TailwindCSS	1	3 months	₹60,000	₹1,80,000
Backend Developer	FastAPI, PostgreSQL, Docker	1	3 months	₹65,000	₹1,95,000
AI/LLM Engineer	OpenAI API, FAISS, CrewAI	1	2 months	₹75,000	₹1,50,000
DevOps Engineer	GitHub Actions, Railway/Render	1	1 month	₹50,000	₹50,000
UI/UX Designer (optional)	Figma, Tailwind templates	0.5	1 month	₹40,000	₹20,000
<b>Total</b>					<b>₹5,95,000</b>

All roles are assumed at freelance/project-basis rates. AI/LLM roles may overlap with backend efforts during agent orchestration.

## ■ Budget Breakdown (in INR)

### Resource Cost (Personnel)

Role	Duration	Monthly Rate	Total Cost
Frontend Developer	3 months	₹60,000	₹1,80,000
Backend Developer	3 months	₹65,000	₹1,95,000
AI/LLM Engineer	2 months	₹75,000	₹1,50,000
DevOps Engineer	1 month	₹50,000	₹50,000
UI/UX Designer	1 month (part-time)	₹40,000	₹20,000
<b>Subtotal (Human)</b>			<b>₹5,95,000</b>

### AI & Tooling Cost

Item	Estimate
OpenAI API Usage	₹10,000/month × 3 = ₹30,000
CrewAI Framework	₹15,000 (estimated for orchestration)
FAISS Setup + Hosting	₹5,000
<b>Subtotal (AI/Tooling)</b>	<b>₹50,000</b>

### ♀ Infrastructure & Deployment

Item	Estimate
Hosting (Railway, Supabase, Vercel)	₹7,000/month × 3 = ₹21,000
Domain, SSL & Monitoring	₹2,000
Docker + CI/CD Setup	₹5,000
<b>Subtotal (Infra)</b>	<b>₹28,000</b>

### QA, Docs & Misc

Item	Estimate
Testing & QA Tools	₹10,000
Documentation & Guides	₹5,000
Pitch Deck, Demo Prep	₹5,000
<b>Subtotal (Misc)</b>	<b>₹20,000</b>

## ✓ Total Development Budget

Segment	Total Cost
Human Resources	₹5,95,000
AI & Tooling	₹50,000
Infrastructure	₹28,000
Miscellaneous	₹20,000
<b>Grand Total</b>	<b>₹6,93,000</b>

₹2.2L – ₹3.3L (INR)

## 🔄 Monthly Operating Cost

Item	Monthly Cost (INR)
OpenAI API (usage-based)	₹5,000 – ₹15,000
Hosting (Render/Railway/Supabase)	₹3,000 – ₹7,000
Mail + CRM APIs (Mailchimp, Typeform)	₹2,000 – ₹3,000
<b>Total Monthly</b>	<b>₹12,000 – ₹25,000</b>

## # Deliverables

- MVP Web App: 3 working agents with UI & API
- Final App: 5 agents + orchestration
- Dockerized deployment
- User onboarding + documentation
- Pitch deck + investor demo script

## 🔗 Notes

- CrewAI setup is modular and can be delayed if needed
- Final version supports scalable use cases for startups and SaaS teams

## ◀ Contact

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