

AI-Powered Meeting Scheduler

Smart Scheduling with AI and Real-Time Updates

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Why do we need AI for Scheduling?

- Manual scheduling takes too much time.
- Time zone conflicts make it complex.
- No visibility on meeting costs.
- AI can automate scheduling and optimize meetings.

How does the AI Scheduler work?

1. User enters meeting details.
2. AI suggests optimal time slots.
3. User selects and schedules the meeting.
4. Cost is estimated based on participants and duration.
5. WebSockets provide real-time updates.

Technology Stack

Frontend:

- Next.js (React)
- Tailwind CSS
- Framer Motion (Animations)

Backend:

- Next.js API Routes
- OpenAI/Gemini API
- WebSockets (Real-time updates)

Database:

- PostgreSQL / MongoDB

Deployment:

- Vercel (Frontend)
- Render/Fly.io (Backend)

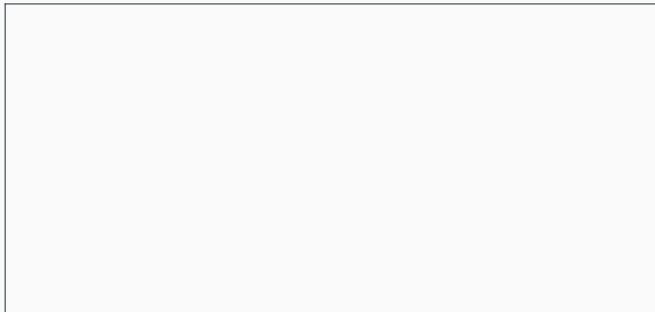
Let's see the system in action:

- AI suggests meeting times based on availability.
- Real-time updates using WebSockets.
- Meeting cost estimator.
- Dark mode and theme customization.

The screenshot shows a web browser window with the address bar displaying 'v0-deployment-k8s-venotapp'. The application interface is titled 'Schedule AI-Powered Meeting' and includes a subtitle 'Let AI help you find the optimal meeting time for all participants'. Below the title, there are three tabs: 'Quick Templates', 'Team Planning', and 'Client Presentation', with 'Quick Templates' being the active tab. The form contains several input fields: 'Meeting Title' (with a placeholder 'Enter meeting title'), 'Priority' (a dropdown menu showing 'Medium' and 'Important discussion'), 'Description' (with a placeholder 'Enter meeting description'), 'Date' (with a placeholder 'Pick a date' and a calendar icon), and 'Duration' (with a placeholder 'Select duration'). There is also a 'Participants' section with an input field for 'Enter email', a 'Remove' button, and an 'Add Participant' button. Below these fields, there is a text input for 'Enter email addresses of meeting participants'. A section titled 'Estimated Meeting Cost' shows a price tag icon, the text 'Based on average hourly rates and participant count', and a value of '\$0.00'. At the bottom, there is a 'Meeting Theme Color' section with four colored circles (blue, purple, green, red) and a 'Get AI Suggestions' button.

Why is this important?

- **Productivity Boost:** No wasted time in scheduling.
- **Real-time Collaboration:** Live updates ensure no delays.
- **Optimized Costs:** Helps businesses reduce unnecessary meetings.
- **Future Enhancements:** Google Calendar integration, AI priority ranking.



Conclusion

Key Takeaways:

- AI automates meeting scheduling efficiently.
- Real-time updates improve collaboration.
- Cost estimation helps in decision-making.

Links:

- GitHub Repository
- Live Demo

Thank you! Questions?