AI Project Submission – Phase 2: Mid-Implementation Report

# 1. Project Title

Intelligent Event Reminder Bot – Rules + Time Triggers

# 2. Team Members

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# 3. Summary of Phase 1 (Problem + Objectives)

People often forget their tasks or events due to busy schedules. The project aims to build a smart reminder bot that allows users to set reminders based on time and rules. Objectives include implementing rule/time-based scheduling, voice alerts, and optionally NLP to understand reminders in natural language.

# 4. Work Completed So Far

- Implemented a console-based reminder bot in Python

- User manually enters reminder message, time (HH:MM), and optional weekday

- Integrated voice alert using pyttsx3

- Scheduled daily or weekly reminders using `schedule` library

- Converted from GUI to console for compatibility

# 5. Screenshots and Code Snippets

reminder = input("📝 Enter your reminder: ")

time\_input = input("⏰ Enter time (HH:MM): ")

day\_input = input("📅 Enter day (optional, press enter to skip): ")

Output Example:

✅ Reminder set for every Monday at 08:00

🔔 Reminder: Class on Monday at 08:00

# 6. Tools Used So Far

- Python 3

- Jupyter Notebook

- Libraries: pyttsx3, schedule, threading, re

# 7. Problems Faced

- `tkinter` was not supported in some environments

- Natural language parsing had to be simplified due to model dependencies

- Voice engine may vary slightly on different systems

# 8. Planned Improvements

- Add NLP parsing using spaCy (when stable)

- Add GUI interface as optional layer

- Add persistence (save/load reminders)

# 9. Timeline Review

Week | Planned Task | Status

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3–4 | Design + data collection | ✅ Done

5–6 | AI logic core | ✅ Done

7–8 | Interface, integration | ⏳ In progress

# 10. Instructor Comments / Feedback

(To be filled by instructor)