

GDG Monash Internal Project Proposal: AgentOps-Based Intelligent Club Platform

1. Project Overview

The GDG Monash Intelligent Club Platform is an internal automation and intelligence system designed to streamline club management, enhance member engagement, and level up GDG's technical capabilities using DevOps, MLOps, LLMOps, and AgentOps.

2. Goals & Impact

- Automate repetitive administrative tasks
- Provide AI-powered knowledge base and onboarding
- Improve event logistics, project execution, and communications
- Build a flagship showcase project representing GDG's technical strength

3. Core Components

1. AI Knowledge & Ops Agent
2. Event Automation System
3. Member Engagement Dashboard
4. Internal DevOps/MLOps Pipeline

4. Tech Stack

- Backend: FastAPI / NodeJS
- AI: Open-source LLM + RAG + AgentOps
- DevOps: CI/CD + container registry + cloud deployment
- Database: PostgreSQL + vector DB

5. Timeline (10 Months)

Phase 1: Requirement & Architecture (Month 1-2)

Phase 2: Core Agent & Backend (Month 3-5)

Phase 3: Automation Systems (Month 6-7)

Phase 4: Dashboard & UX (Month 8)

Phase 5: Testing + Deployment (Month 9-10)

6. Benefits to GDG

- Positions GDG as a technical leader
- Supports long-term sustainability
- Enables future committees to operate efficiently

7. Conclusion

This project is ambitious, impactful, and aligned with GDG's mission to grow technical excellence and practical community value.