# AI Course API Documentation

Project Name: AI Course

Description: Platform pembelajaran interaktif yang membantu user menemukan bidang IT yang cocok berdasarkan minat mereka menggunakan AI (Gemini), serta menyediakan rekomendasi video belajar dari YouTube.

Base URL (production): arfidakaihttps://aicourse-96cb2.web.app/api

Base URL (local): http://localhost:80/api

## Authentication

### Register User

POST /auth/register

Body:  
{  
 "username": "arfida",  
 "email": "arfida@example.com",  
 "password": "123456"  
}

Response:  
{  
 "success": true,  
 "message": "User registered successfully"  
}

### Login User

POST /auth/login

Body:  
{  
 "email": "arfida@example.com",  
 "password": "123456"  
}

Response:  
{  
 "token": "JWT\_TOKEN\_HERE",  
 "user": {  
 "id": 1,  
 "username": "arfida",  
 "email": "arfida@example.com"  
 }  
}

### Login via Google

GET /auth/google

Redirect user ke halaman login Google.

Callback: GET /auth/google/callback → Redirect ke frontend dengan token JWT.

## AI Consultation

POST /consult

Body:  
{  
 "message": "Aku suka desain tapi pengen belajar coding"  
}

Response:  
{  
 "reply": "Kamu cocok belajar Frontend Development karena kamu suka desain dan interaksi user!"  
}

## Video Recommendation

POST /recommend → Ambil rekomendasi video belajar berdasarkan topik.

GET /trending → Ambil video YouTube trending di bidang IT.

## User Video List

GET /list → Ambil daftar video yang disimpan user.

POST /list → Tambahkan video ke daftar belajar user.

DELETE /list/:id → Hapus video dari daftar.

## Environment Variables (.env)

PORT=80  
DATABASE\_URL=your\_db\_url\_here  
GEMINI\_API\_KEY=your\_gemini\_api\_here  
YOUTUBE\_API\_KEY=your\_yt\_api\_here  
JWT\_SECRET=jwt\_secret  
SESSION\_SECRET=session\_secret  
GOOGLE\_CLIENT\_ID=your\_client\_id\_here  
GOOGLE\_CLIENT\_SECRET=your\_client\_secret\_here

## Tech Stack

Frontend: React + Tailwind + Redux  
Backend: Node.js + Express.js  
Database: PostgreSQL (Sequelize)  
AI: Google Gemini API  
Auth: JWT + Passport.js (Google OAuth)  
Hosting: AWS EC2 + Firebase Hosting