AI Agents for Online Educators & Course Creators

1. Agents for Website Visitors

1.1 Course Recommendation Assistant / AI-Assistant

Purpose:
Helps learners find the most relevant courses based on their goals.
For example: If a visitor writes, *"I want to switch to data science"*, the AI matches them to suitable courses in the database.

Workflow:

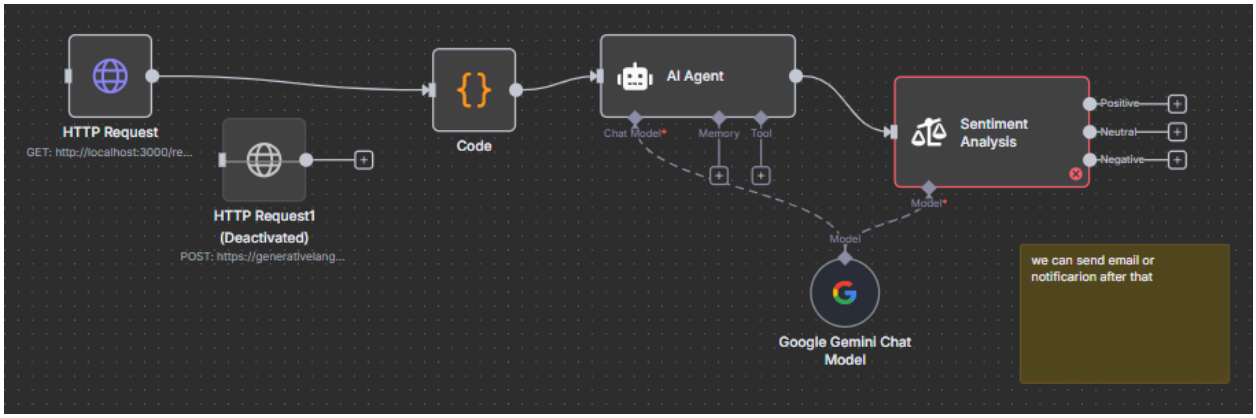
1. **Trigger (form submission)** – Captures free-text goals from a website form.
2. **AI Processing** – Passes input to Gemini/OpenAI for interpretation.
3. **Database Query / Http req** – Searches course database
4. **AI Summary** – Summarizes top matches.
5. **Response Delivery** – Sends via chatbot or email.

1.2 Trust Badge Generator

Purpose:
Builds visitor confidence by summarizing reviews, ratings, and instructor credentials directly on the course page.

Workflow:

1. **Trigger on Page Visit** – Detect when a visitor views a course.
2. **Data Fetch** – Pull reviews and credentials from DB/API.
3. **AI Sentiment Analysis** – Summarizes credibility in a short quality badge.
4. **Front-End Integration** – Displays the badge instantly.



1.3 Re-Engagement Messenger

Purpose:
Targets visitors who leave without enrolling, offering them a personalized learning plan and discounts to re-engage.

Workflow:

1. Detects “abandoned” status in leads.
2. **AI Content Generation** – Creates tailored email with mini learning plan.
3. **Email Dispatch** – via Gmail

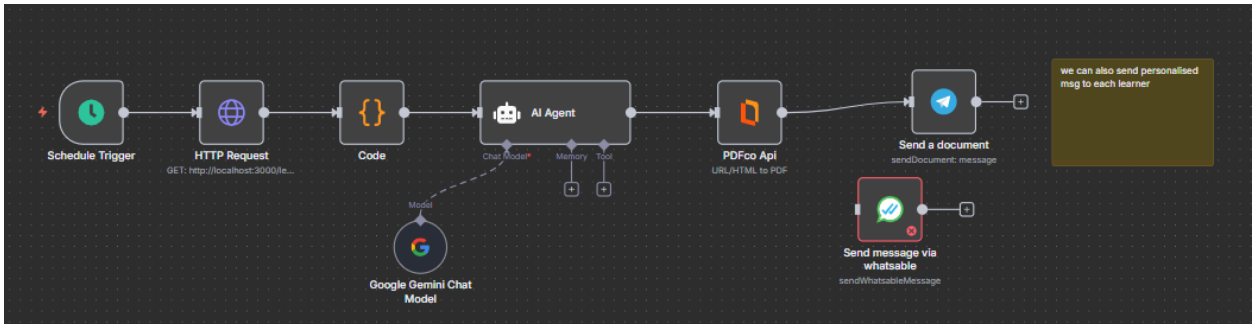
2. Agents for Active Learners (Enrolled students)

2.1 Personalized Learning Path Designer

Purpose:
Monitors learner progress and suggests the next steps for continuous improvement.

Workflow:

1. **Scheduled Trigger** – Runs periodically.
2. **Data Fetch** – Retrieves quiz scores & progress from LMS API.
3. **AI Recommendation Engine** – Designs the next learning steps.
4. **Delivery** – Updates dashboard or sends via email.



2.2 Peer Learning Connector

Purpose:
Encourages collaborative learning by connecting students with similar interests, forming study groups, and initiating discussions.

Workflow:

1. **Trigger** – On course page navigation.
2. **Data Fetch** – Gets enrolled student profiles via HTTP node.
3. **Grouping Logic** – AI clusters learners based on interests & progress.
4. **Engagement Prompts** – Sends discussion starters or challenges.

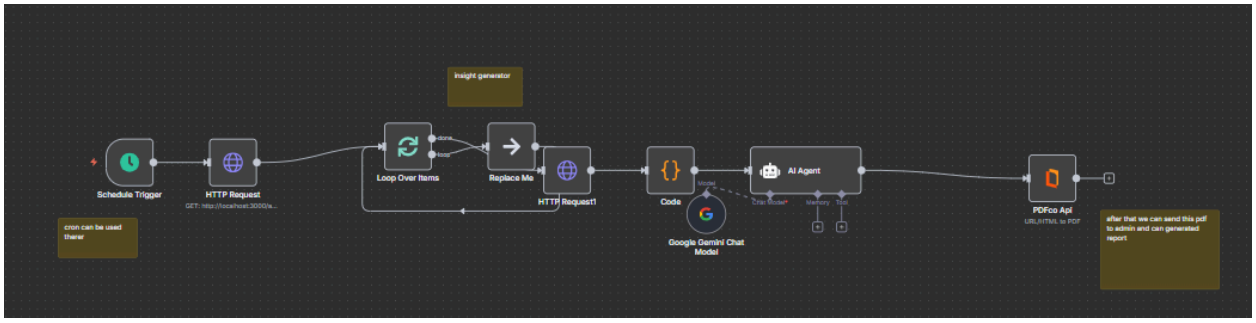
3. Agents for Platform Owners/Admins

3.1 Course Drop-off Insights Generator

Purpose:
Identifies where students drop out and summarizes patterns to improve retention.

Workflow:

1. **Scheduled Trigger** – Weekly run.
2. **Data Fetch** – Gets analytics from LMS.
3. **AI Pattern Recognition** – Summarizes dropout reasons.
4. **PDF Report Creation** – Sends via email.



3.2 Review Insights & Action Planner

Purpose:
Collects and analyzes learner feedback to identify improvement opportunities.

Workflow:

1. **Trigger** – New review submission.
2. **Sentiment Analysis** – Classifies feedback as positive, neutral, or negative.
3. **Topic Clustering** – Groups by common issues.
4. **AI Summary** – Suggests actionable improvements.
5. **Owner Notification** – Sends compiled insights.

4. Additional AI Agents for Course Sellers

4.1 24/7 AI Tutor

Purpose:
Provides round-the-clock assistance to learners, including assignment evaluation.

Workflow:

1. **File Upload Trigger** – Learner uploads assignment.
2. **AI Analysis** – Grades work and creates feedback.
3. **Document Creation** – Generates Google Docs feedback file.
4. **Notification** – Sends results to learner.

4.2 Smart Content Creator

Purpose:
Helps educators generate and update quizzes, visual aids, summaries, and micro-videos based on course material.

Workflow:

1. **Trigger** – Educator request or scheduled update.
2. **AI Content Generation** – Creates learning materials.
3. **Delivery** – Saves to LMS or sends to educator.

4.3 Auto-Engagement Notifier

Purpose:
Notifies visitors who viewed but didn't enroll and recommends related courses to enrolled users.

Workflow:

1. **Trigger** – Page visit without enrollment or successful enrollment.
2. **Condition Check** – Enrollment status.
3. **Notification** – Sends relevant course suggestions via email/web app.

4.4 Motivation & Progress Tracker

Purpose:
Keeps learners engaged by tracking streaks, sending motivational messages, and delivering progress reports.

Workflow:

1. **Scheduled Trigger** – Weekly.
2. **Data Fetch** – Learner progress from LMS.
3. **AI Summary & Motivation** – Generates personalized progress update.
4. **Delivery** – Email PDF or web notification.

4.5. Enrollment Data Tracker

When a learner enrolls in a course, their enrollment details are automatically saved in Google Sheets for centralized record-keeping and easy access.

4.6. WhatsApp/Telegram Enrollment Insights Bot

A WhatsApp or Telegram bot can be set up to provide course administrators or educators with quick insights, such as “How many students enrolled last month?” This enables on-demand reporting via messaging platforms.

4.7. Learner Progress Insight Bot

Create a WhatsApp or Telegram bot dedicated to learners, which provides real-time insights on their course progress. This bot helps learners monitor their performance and receive personalized guidance to support their learning journey.

4.8. AI-Powered Content Generation Panel

Develop an admin or course management panel where AI automatically generates relevant articles or learning materials based on the enrolled learners' course fields. This keeps content fresh and tailored to learners’ interests without manual effort.

Tools integration in n8n

1. Zoom

- **Use case**: Schedule classes, send meeting links, manage participants.
- **Integration Method**:
    - Use the **Zoom OAuth2** or JWT authentication.
    - Use Zoom node
    - Create a Zoom OAuth2 app
    - Enter Credentials to n8n node (cliend id , secret)
- **Trigger**: (e.g., when a user signs up, create a Zoom meeting automatically)

2. Whatsapp

- **Use case:** Send priority or perosonalized messages or documents
- create a WhatsApp Business API account, create an app on the Meta for Developers platform, and then configure the connection within n8n using the obtained credentials