Open Challenge:

Solving Real-World Problems with AI and Prompt Engineering

1. Field

Education and Digital Learning

2. Problem

In today's digital world, many people want to learn new skills such as design, programming, or digital marketing. However, learners often feel overwhelmed because they do not know where to start or which resources to follow.

There are thousands of courses available online, but without a clear learning path, many learners lose motivation or stop learning before achieving their goals.

3. AI-Based Solution

Artificial Intelligence can help solve this problem by acting as a personal learning assistant.

AI tools can analyze a learner's goal, current knowledge level, and available time to create a personalized learning roadmap. This roadmap can guide the learner step-by-step with clear milestones, recommended learning resources, and practical projects.

By using AI in this way, learners can follow a structured plan that makes the learning process more organized, efficient, and motivating.

4. Example of Prompt Engineering

Example Prompt:

Act as an experienced learning mentor.
Create a 3-month learning roadmap for a beginner who wants to become a UI/UX designer.
Include weekly learning goals, recommended tools, useful online resources, and small practical projects that help the learner build real skills step by step.

The roadmap should be clear, beginner-friendly, and easy to follow.

5. Expected Result

Using this prompt, the AI will generate a clear and structured learning plan that guides beginners throughout their learning journey.

The roadmap will help learners:

- understand what to learn first

- organize their study time effectively

- practice their skills through small projects

- stay motivated while learning.

6. Impact

Using AI as a learning assistant can make education more personalized and accessible. It allows learners to take control of their learning journey and develop valuable digital skills in a structured and efficient way.

This approach empowers individuals to learn independently and adapt to the rapidly changing digital world.