Question Bank

"""Generates AI-generated questions."""

                prompt = f"""

                Generate {num\_questions} unique questions for the topic "{topic}"

                based on Bloom’s Taxonomy level "{taxonomy}" and difficulty "{difficulty}".

                """

Lesson Plan

"""Uses OpenAI to estimate days needed for a topic."""

        prompt = f"""

        Given the topic below, estimate the number of days needed based on complexity:

        - \*\*Topic:\*\* {topic}

        - \*\*Unit Name:\*\* {unit\_name}

        - \*\*Total Course Days:\*\* {total\_days}

        Return only a whole number of days (minimum 1).

        """

CO-PO Mapping

prompt = f"""

                    You are an AI education expert. Given the following Syllabus, Course Outcomes (COs), and Program Outcomes (POs),

                    generate a CO-PO mapping table. Use a scale of High (3), Medium (2), and Low (1) to indicate alignment.

                    Syllabus:

                    {syllabus}

                    Course Outcomes (COs):

                    {chr(10).join([f"{co}: {desc}" for co, desc in course\_outcomes.items()])}

                    Program Outcomes (POs):

                    {chr(10).join([f"{po}: {desc}" for po, desc in program\_outcomes.items()])}

                    Analyze the syllabus content to determine the strength of alignment between COs and POs.

                    Generate the mapping table in a structured format.

                    """

Course Material

prompt = f"""

                Generate structured course material for:

                - \*\*Unit:\*\* {unit}

                - \*\*Content:\*\* {content}

                Include:

                1. \*\*Brief Introduction\*\*

                2. \*\*Key Concepts\*\*

                3. \*\*Examples\*\*

                4. \*\*Diagrams (Textual Description)\*\*

                """