[**Client Proposed Solution and Implementation Schedule Artifact**](https://gc.blackboard.com/ultra/courses/_383536_1/outline/assessment/_12247626_1/overview?courseId=_383536_1)

**Group 26**

**Link**

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**ACME AI Integration Project Client Proposed Solution and Implementation Schedule Artifact**

# Executive Summary of the Solution:

The goal of ACME Company's sales training initiatives is to include artificial intelligence (AI) to improve participant learning. The suggested approach is a planned, incremental rollout of AI technologies meant to enhance and supplement the current sales modules without sacrificing program quality or risking investor confidence. While maintaining the exacting standards of ACME and making sure that assessments and content are rigorous, artificial intelligence (AI) will help automate some learning procedures. The objective is to reduce the fear that artificial intelligence will replace human knowledge while streamlining the learning process, offering more individualized feedback, and developing scalable solutions for all five of the institution sites.

## Appropriateness of the Solution

By ensuring that AI is used exclusively as a tool to enhance learning—rather than to replace it—this method allays investor concerns. In addition to careful assessment and human control, the suggested system preserves the content's authenticity. The solution is appropriate for ACME's wide range of programs because of its scalability, which makes it simple to expand as new campuses embrace artificial intelligence. By customizing each participant's learning path and automating repetitive tasks, AI will also enhance learning outcomes and free up instructors' time to concentrate on delivering high-quality information.

## Team’s Development of the Solution

To make sure the suggested AI solution matched ACME's objectives, the project team—led by the Head of Program at ACME and assisted by the project managers of ABC123 Inc.—worked with subject matter experts and stakeholders from every department. In-depth study, internal discussions, and interactions with specialists in AI and learning technologies were used to design the answer. With the goal of providing the solution by September 2026, the team focused on managing the project from planning to execution by adhering to the PMBoK methodology. To guarantee safe and effective project management, all intercommunication and teamwork were facilitated by MS Teams' PMIS system.

# Preliminary Project Schedule

Project Duration: 38.36 days (Start: October 2, 2024 - End: November 25, 2024)

Project Goal: Implement AI into ACME’s sales training programs across five campuses, ensuring alignment with ACME’s quality standards and addressing investor concerns.

## Phase 1: Market Research

**Duration:** 3.34 days

**Deliverables:** The project begins with researching market needs and gaps, informing the project’s direction. The findings are compiled into a report for stakeholders.

* Analyze competitors
* Identify audience needs
* Report findings

## Phase 2: Data Collection and Validation

**Duration:** 2.38 days   
**Deliverables:** The team collects and validates data for AI model training, ensuring accuracy and relevance to support reliable AI development.

* Gather and validate data
* Perform quality checks

## Phase 3: Integration and Design

**Duration:** 2.29 days

**Deliverables:** The design phase includes planning the system architecture and user interfaces, ensuring an intuitive user experience.

* Design system architecture
* Review designs with stakeholders

Phase 4: AI Model Development

**Duration:** 3.34 days

**Deliverables:** AI models are built using the collected data, with algorithms fine-tuned to achieve optimal performance.

* Train AI models
* Fine-tune for accuracy

## Phase 5: Platform Development and AI Integration

**Duration:** 3.39 days

**Deliverables:** The platform is developed and AI features integrated, with a preliminary version released for internal testing.

* Build platform infrastructure
* Integrate AI functionalities

## Phase 6: AI Testing and Quality Assurance

**Duration:** 3.27 days

**Deliverables:** Comprehensive testing is conducted to ensure AI features perform as expected, followed by quality assurance signoff.

* Perform testing and bug fixes
* Obtain quality assurance approval

## Phase 7: Staff Training and Client Onboarding

**Duration:** 3.43 days

**Deliverables:** Staff training and initial client onboarding are conducted, with materials provided and feedback collected for adjustments.

* Train staff
* Onboard initial clients

## Phase 8: Deployment of AI Features

**Duration:** 2.32 days

**Deliverables:** The deployment of AI tools into the training program takes place during this phase. The team monitors deployment, collects initial usage data, and analyzes the effectiveness of the AI features. This is followed by a stakeholder review to approve full-scale deployment.

* + AI deployment
  + Initial usage data collection
  + Effectiveness analysis
  + Stakeholder approval for full deployment

## Phase 9: Monitoring and Evaluation

**Duration:** 3.31 days

**Deliverables:** Once AI features are deployed, monitoring begins to ensure they perform as expected. Feedback is collected from users, and the AI tool’s effectiveness is evaluated. The findings are presented to stakeholders for review.

* + Establish monitoring framework
  + Collect data on learning outcomes
  + Conduct feedback sessions with users
  + Report findings to stakeholders

## Phase 10: Project Closure and Documentation

**Duration:** 3.28 days

**Deliverables:** This phase marks the conclusion of the project. All project documents are compiled, reviewed, and archived. The final project report is prepared, and signoffs from stakeholders are obtained to officially close the project.

* + Compile project documentation
  + Conduct project review meeting
  + Prepare final project report
  + Archive and store materials

# Implementation Schedule

Here is a high-level summary of the timeline:

* **Start Date**: October 2, 2024
* **End Date**: November 25, 2024
* **Total Duration**: 38.36 days (about 1 and 9 days)

The project will be executed in phases with well-defined milestones and deliverables, culminating in the final buy-in and presentation of the solution to ACME stakeholders.

Explanation of Major Deliverables

* **Market Research:** Dive into understanding the market and competitors to shape the project’s direction and define what the AI needs to accomplish.
* **Data Collection and Validation:** Collect the right data and make sure it’s accurate so the AI models have a solid foundation to learn from.
* **Integration and Design:** Plan how everything will come together, from system setup to user interfaces, ensuring the AI fits seamlessly into the platform.
* **AI Model Development:** Build the AI models, fine-tuning them to ensure they perform well and deliver meaningful insights.
* **Platform Development and AI Integration:** Develop the platform and integrate the AI features, making sure everything works together smoothly.
* **AI Testing and Quality Assurance:** Test the AI thoroughly to catch any issues and refine the system before it goes live.
* **Staff Training and Client Onboarding:** Get the team up to speed with the AI tools and guide early users through the onboarding process, gathering feedback to fine-tune things.
* **Deployment of AI Features**: This is the technical phase where the AI tools are deployed into the sales training programs. The team monitors performance, collects data, and makes any necessary adjustments before full deployment.
* **Monitoring and Evaluation**: Post-deployment, this phase ensures that the AI system functions as intended. Feedback from users is collected, and data is analyzed to confirm that learning outcomes are being met.
* **Project Closure and Documentation**: The final phase ensures that all project documents are completed, reviewed, and archived. Stakeholder sign-off is obtained, officially closing the project.

References  
Koller, D., & Nussbaum-Beach, S. (2016). The Transformative Potential of Artificial Intelligence in Education. International Journal of Education and Learning Systems, 1(1).