

AI Capstone: Final Presentation Guidelines & Rubric

Focus: A concise, engaging, and professional presentation summarizing the capstone project for an audience including the instructor and potentially peers or industry guests. The presentation should include a live demonstration of the final system.

Format & Timing:

- **Duration:** Typically 15-20 minutes presentation + 5-10 minutes Q&A
- **Format:** Slide-based presentation (e.g., PowerPoint, Google Slides) combined with a **live demonstration** of the project.
- **Audience:** Assume a technically knowledgeable audience familiar with core AI concepts but not necessarily the specific details of your project beforehand.

Expected Content & Structure:

1. **Title Slide:** Project Title, Student Names, Course Name.
2. **Introduction (1-2 slides):**
 - Briefly introduce the team.
 - Hook: What is the problem? Why is it interesting/important?
 - Project Goal/Objectives: What did you set out to achieve?
 - Quick overview of the presentation structure.
3. **Background/Motivation (1-2 slides):**
 - Necessary context or brief mention of related work.
4. **Methodology/Approach (3-5 slides):**
 - High-level overview of the data used.
 - Key techniques/models employed (focus on *what* and *why*, not deep math unless crucial).
 - System Architecture Overview (a clear diagram is essential).
 - Key technologies used (libraries, frameworks, cloud services).
5. **LIVE DEMONSTRATION (Crucial: 5-7 minutes):**
 - **Show the system working!**
 - *API Project:* Use Postman, curl, or a simple script to hit the deployed endpoint and show input/output.
 - *Dashboard Project:* Navigate the deployed dashboard, highlighting key features and visualizations.
 - *Pipeline Project:* Show the CI/CD interface, trigger a run (or show a recent successful run), point out key steps, show the registered model/deployed artifact.
 - *Other Projects:* Walk through the core functionality step-by-step.
 - Explain what is happening during the demo. Keep it smooth and focused.

Practice this extensively! Have a backup plan (e.g., video recording) in case of technical failure, but the live demo is preferred.

6. Results & Key Findings (2-3 slides):

- Summarize the main results and performance metrics. Use clear visuals.
- What were the most interesting or significant findings?

7. Discussion & Conclusion (2-3 slides):

- Were the objectives met?
- Key challenges and limitations.
- Potential future work or impact.
- Concluding remarks: Summarize the project's value and achievements.

8. Thank You & Q&A Slide: Include contact info or repo link (optional).

Marking Rubric (Total 100 points)

Criterion	Excellent (Highest Point Range)	Good (Mid-High Point Range)	Fair (Mid-Low Point Range)	Poor (Lowest Point Range)	Points
1. Introduction & Problem Definition	Highly engaging start, crystal-clear problem definition, motivation, and objectives. Sets the stage perfectly.	Clear explanation of problem, motivation, and objectives. Good start.	Problem/motivation/objectives somewhat unclear or presented dryly.	Fails to clearly define the problem, motivation, or objectives. Confusing start.	/ 10
2. Methodology & Technical Explanation	Clear, concise explanation of approach, architecture (with excellent diagram), and technologies with strong justification. Perfect technical depth.	Clear explanation of approach, architecture (with diagram), and technologies with adequate justification. Appropriate technical depth.	Explanation lacks clarity or justification. Architecture diagram unclear/missing. Technical depth may be too high/low.	Methodology/technical aspects are confusing, poorly explained, or missing. No justification.	/ 20
3. Live Demonstration	Flawless, smooth demo effectively showcasing core functionality and outcome. Confident delivery. Excellent	Clear demo showcasing most core functionality. Minor hiccups handled well. Good preparedness (backup plan likely exists).	Demo is partially successful but buggy, slow, or struggles to show core functionality. Presenter seems unprepared. Backup plan	Demo fails significantly, does not show core functionality, or presenter cannot operate the system. Lack of preparedness evident. No	/ 30

	preparedness (backup visible/ready if needed).		may be absent or not ready.	backup plan.	
4. Results & Analysis	Key results presented with highly effective visuals. Insightful analysis clearly explained.	Key results presented clearly with good visuals. Solid analysis explained well.	Results presented but visuals are unclear or ineffective. Analysis is superficial or explanation lacks clarity.	Results are missing, confusing, or inaccurate. No meaningful analysis presented.	/ 15