

Application of Artificial Intelligence in Aviation

Final Project – TIC Course | Focus: Practical & Safe Applications

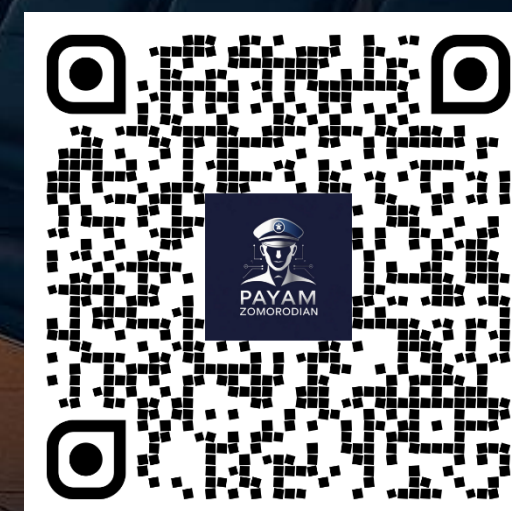


1950

250 K1



Scan this code to access the instructor's full profile, course resources, and the presentation download link.





Keep mobile phones on silent, no calls during session



You may leave the room at any time if necessary



Actively participate in activities



Respect time and schedule



Understand AI's role
in aviation



Choose the right tools



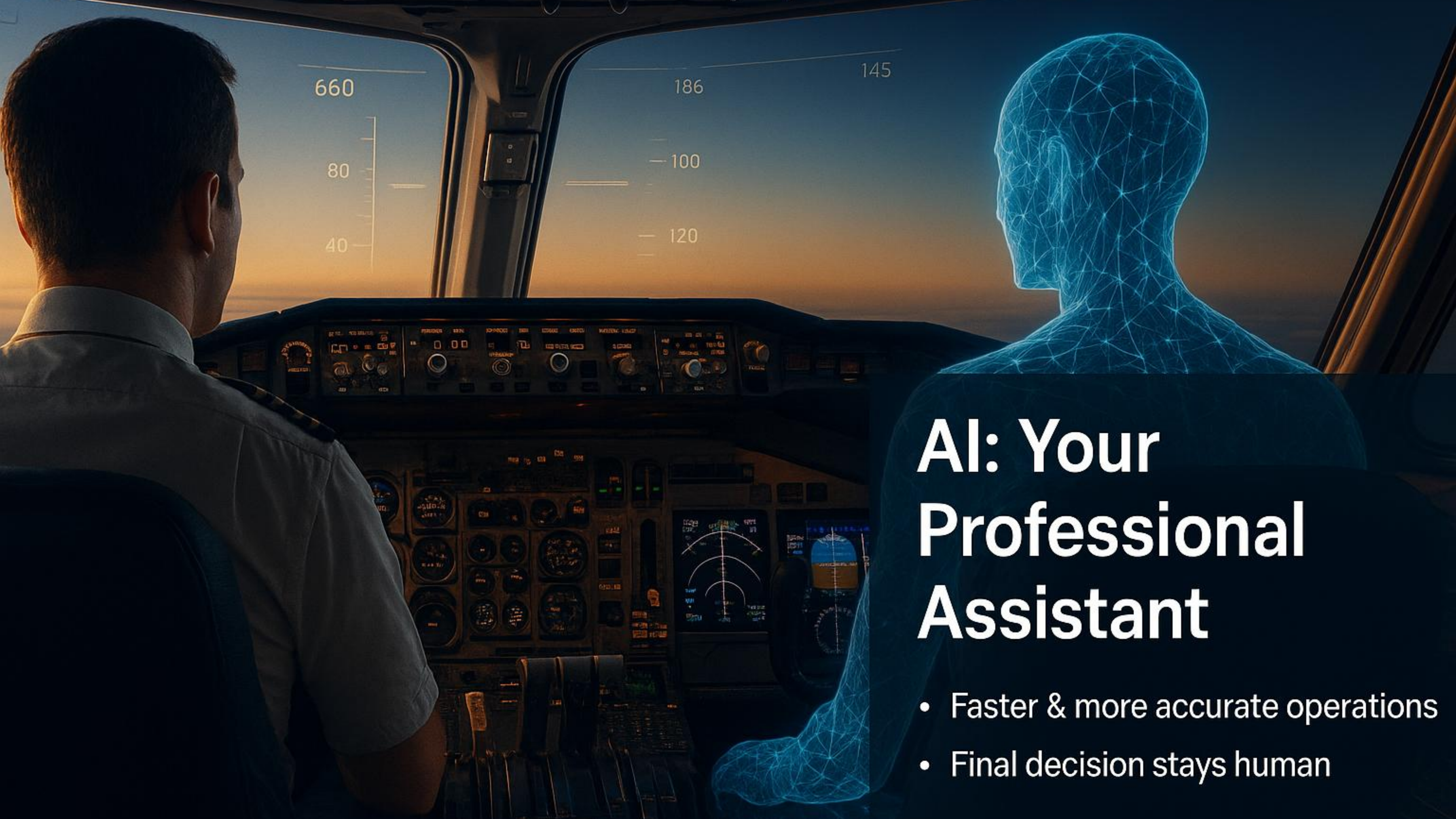
Master effective
prompt writing



Reduce human error



Produce a practical
example



AI: Your Professional Assistant

- Faster & more accurate operations
- Final decision stays human

AI in Aviation Professions

Pilot: METAR & performance analysis

Dispatcher: Route & fuel optimization

Maintenance: Rapid data retrieval

Cabin Crew: VIP passenger handling



Case Study: MEL 77-1 & Appendix 3D

- EPR added to defect list
- AFM Appendix 3D reference
- AI: Instant weight limit calculation

VS



Manual calculation



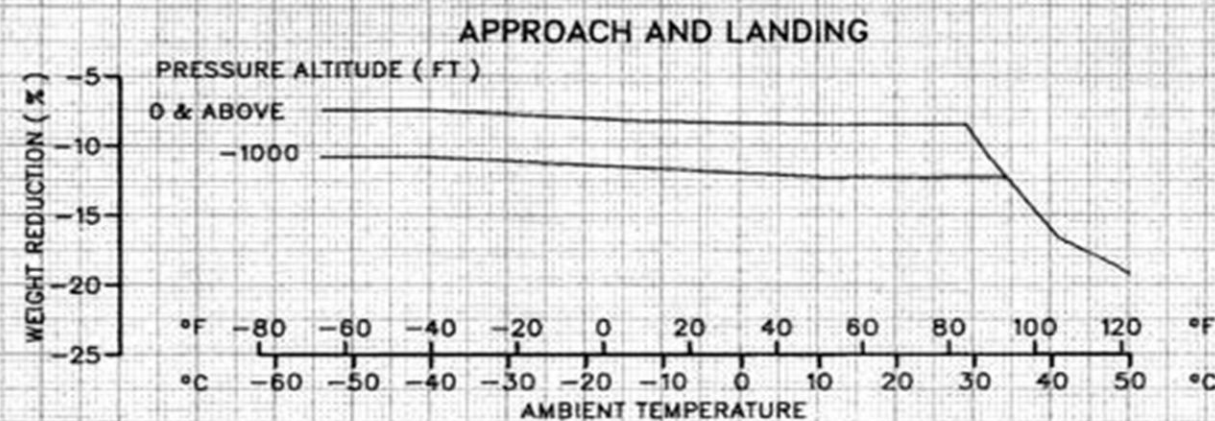
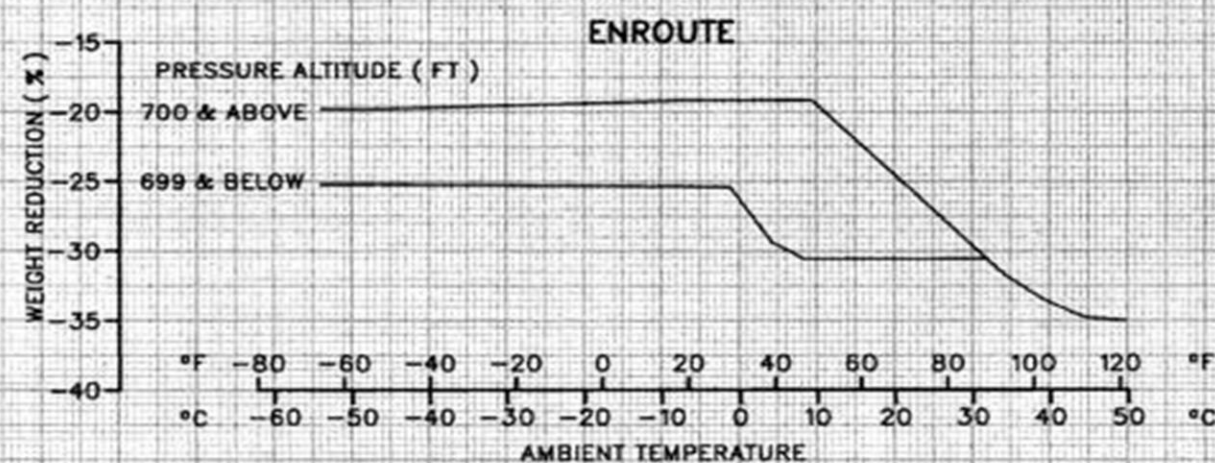
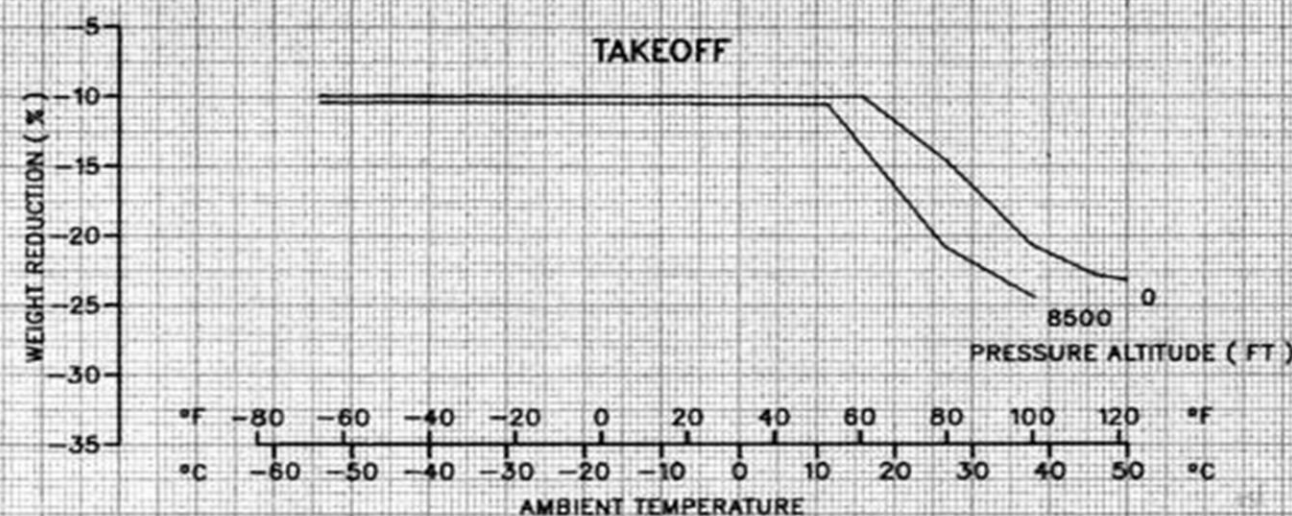
AI – Assisted Calculation

DC-9
MDC-J8480M
DATE: 4-1-98

FAA APPROVED

APPENDIX 3D
SECTION 4C PAGE 17A
PERFORMANCE

MODEL DC-9
WEIGHT REDUCTION
ONE EPR SYSTEM INOPERATIVE
JT8D-217A/C ENGINES



ChatGPT 4o >



Create a cartoon
illustration of my pet

Explain nostalgia
to a kindergartener

Help
a tec



Ask anything



Recommended AI Tools



CHATGPT

Gemini

GOOGLE
GEMINI



CANVA



GROK

Safe AI usage principle



- Verify data accuracy before operational use
- Protect confidential & sensitive information
- Ensure human-in-the-loop decision making
- Follow company SOP & regulatory compliance
- Continuous monitoring & improvement

