Student Evaluation Tools

Enhancing Learning through Interactive Quizzes in Aviation Training

Tudor-Costel BULGARU, Eng. UNESCO Chair Engineering for Society
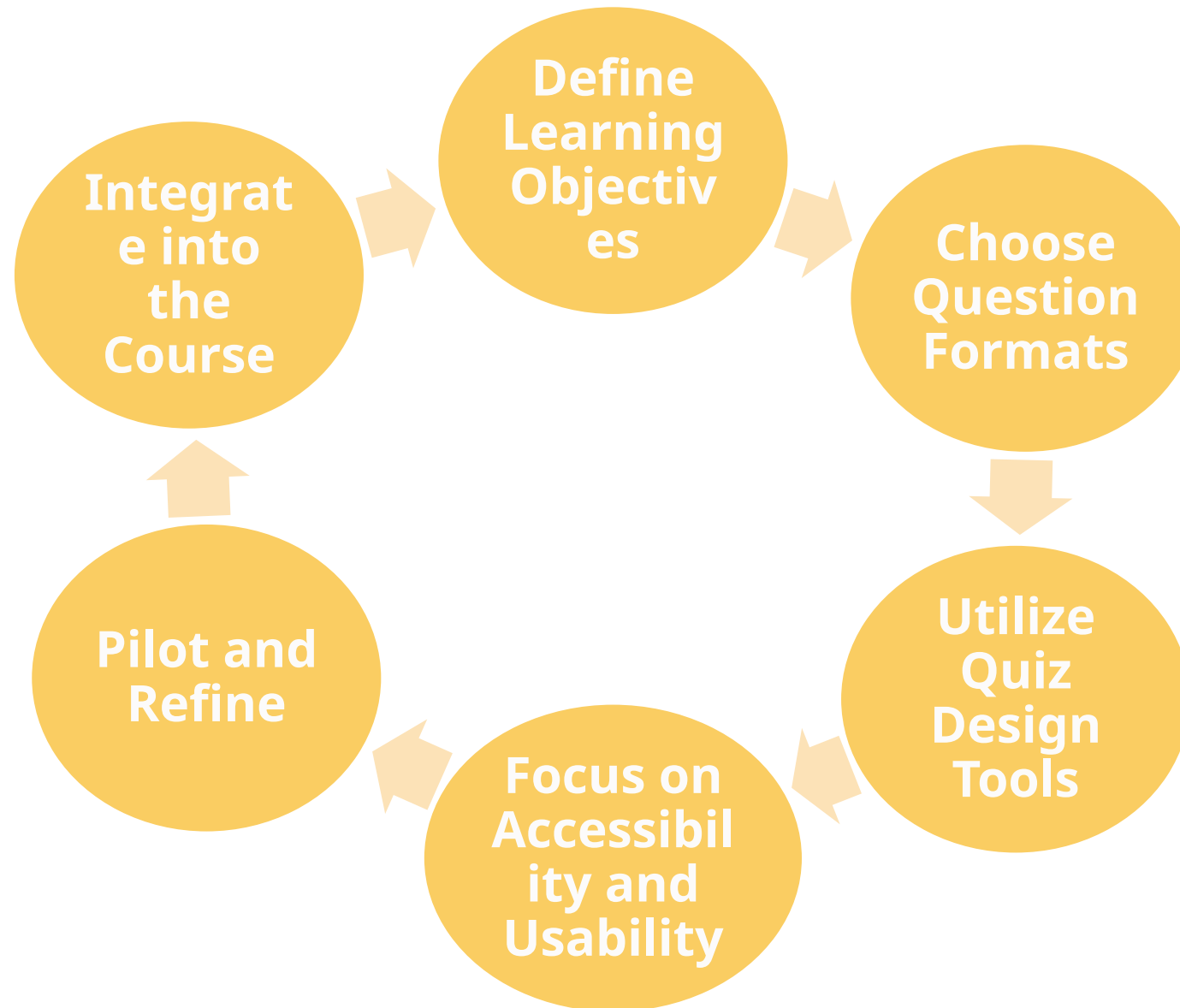
January 21, 2025

AVI🌐NIC

Agenda

AVI NIC

Introduction

➢ AVIONIC Learn platform specializes in aviation courses, offering comprehensive learning resources for students.

➢ To enhance learning outcomes, each lesson includes a tailored quiz designed to reinforce and assess knowledge.

➢ The primary goals of these quizzes are:

- To evaluate students' progress in real-time.

- To create a dynamic, interactive, and engaging educational experience.

- To support continuous learning by aligning with the objectives of each course module.

How to Create Quizzes in AVIONIC Learn platform

Define Learning Objectives → Choose Question Formats → Utilize Quiz Design Tools → Focus on Accessibility and Usability → Pilot and Refine → Integrate into the Course

Benefits of Quizzes for Students

Reinforce knowledge through immediate testing

Instant feedback to improve performance

Increased engagement through interactivity

Critical thinking development

AVI NIC

Benefits of Quizzes for Teachers

Monitor students' progress through reports.

Save time with automated grading.

Adjust lessons based on quiz results.

Encouraging students' active engagement.

AVI NIC

Types of Questions
-Overview-

Using a variety of question types ensures a thorough and engaging assessment process.

Each type is carefully chosen to match the specific learning objectives of the lesson.

A balanced mix of question types helps to:

- Address different learning styles.
- Test both foundational knowledge and higher-order thinking skills.
- Keep students engaged with interactive and diverse activities.

AVI◍NIC

Types of questions used in the quizzes

Single Choice Questions

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

AVI⊕NIC

Types of questions used in the quizzes

Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

What is the function of a stopway at an airport?

○ a. Provide extra space for aircraft to stop if necessary ✔ Correct!

○ b. Serve as a parking area for aircraft

○ c. Mark the beginning of the runway

○ d. Indicate no-entry zones

Your answer is correct.

AVI⊕NIC

Types of questions used in the quizzes

Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

What factors affect the operation of radio navigation aids?

☑ a. Terrain elevation ✔ Correct!

☑ b. Radio interference ✔ Correct!

☑ c. Obstacle height near the airport ✔ Correct!

☐ d. Ground moisture content

Your answer is correct.

AVI◉NIC

Types of questions used in the quizzes

Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

Fill in the blanks:

The [Clearway] ✓ is a rectangular area on the ground or water, adjacent to a runway, over which an airplane may perform part of its initial climb to a specified height.

Correct!

AVI◯NIC

Types of questions used in the quizzes

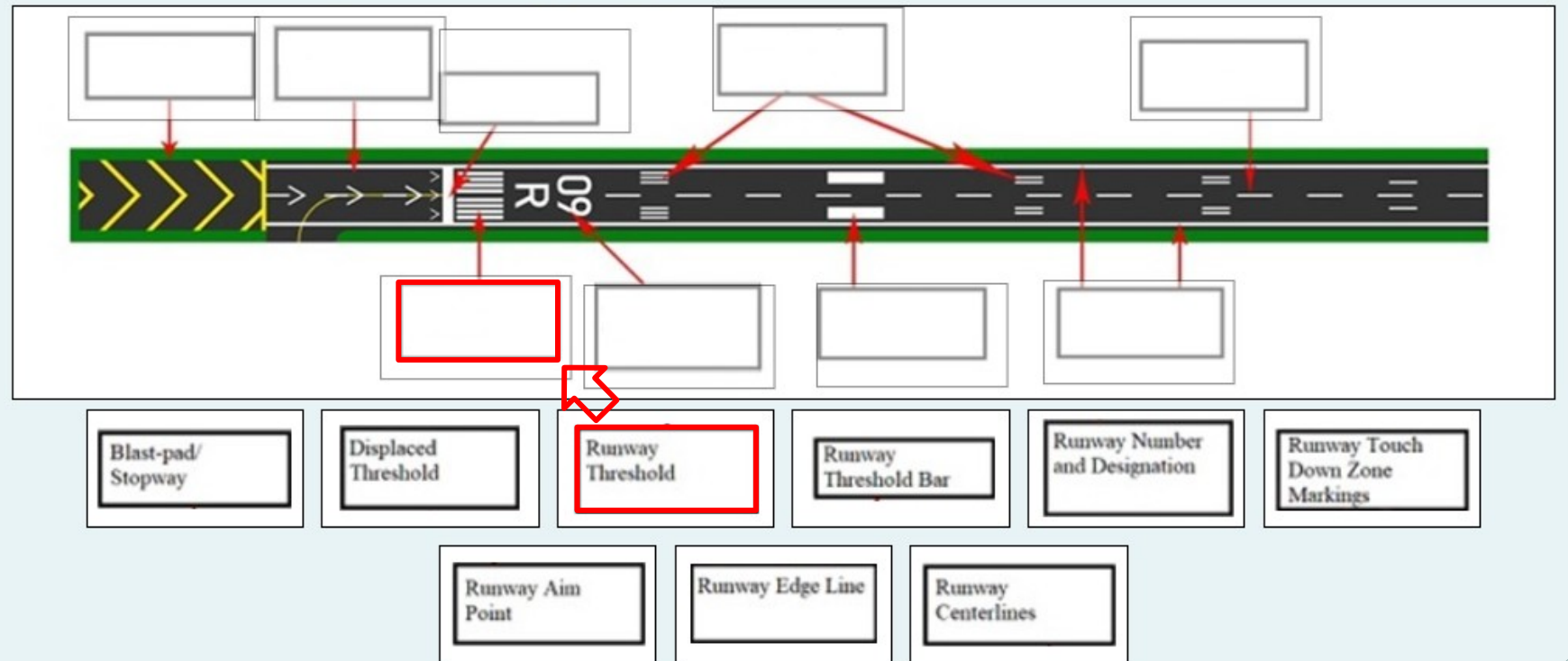Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

Associate each marking with the corresponding location:

| Blast-pad/ Stopway | Displaced Threshold | Runway Threshold | Runway Threshold Bar | Runway Number and Designation | Runway Touch Down Zone Markings |

| Runway Aim Point | Runway Edge Line | Runway Centerlines |

Copyright © 2025, AVIONIC - Digital Learning for Green Air Transport and Logistics

AVI⊕NIC

Types of questions used in the quizzes

Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

Airports of the future will rely less on data analytics for operational efficiency.

○ True

◉ False ✓

Correct!

AVI🌐NIC

Types of questions used in the quizzes

Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

Predict the potential challenges airports might face in fully implementing Airport 4.0 technologies.

Edit   View   Insert   Format   Tools   Table   Help

Challenges include ...

p   2 words   tiny

AVI◉NIC

Types of questions used in the quizzes

Single Choice Question

Multiple Choice Questions

Fill in the Blanks

Drag and Drop Questions

True/False Questions

Open-Ended Questions

Matching Questions

Match the term to its definition:

ASDA	Available distance for an aircraft to come to a complete stop ✓
TODA	Total length of the runway available for takeoff ✓
TORA	Distance available for aircraft to accelerate and take off ✓
LDA	Distance available for landing ✓

Your answer is correct.

AVI◯NIC

Conclusions

✓ **Quizzes as learning tools**

✓ **Increased engagement and motivation for students**

✓ **Personalized education**

✓ **Teacher Efficiency**

✓ **Alignment with modern education**

AVIONIC