







INTELEC2023

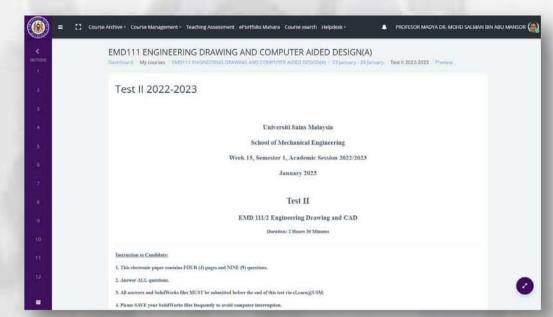
INNOVATIONS IN TEACHING & LEARNING COMPETITION

i-Test CAD for An Alternative Online Test Assessment

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OBJECTIVES



Previous assessment method for Learning Outcome (LO) of Computer Aided Design (CAD) software in "Engineering Drawing and CAD" course is in the form of hardcopy test papers with a standard quality and quite costly which can cause ineffective attainment. Thus, there are no opportunities for the learners and examiners to answer and evaluate respectively the paperless answer scripts, and to know the test results quickly. Therefore, the purpose of i-Test CAD is to improve the test assessment method for LO of CAD software by an alternative through eLearn@USM. On top of that, i-Test CAD is introduced in order to encourage paperless and sustainable environment.

Since the previous assessment method for LO of CAD software in "Engineering Drawing and CAD" course is no longer adequate in the era of Industrial Revolution (IR) 4.0, thus i-Test CAD is designed by using elearning to attain these three objectives:

- > To provide a platform where the paperless test question and answer scripts can be employed.
- > To obtain the test results quickly based on constructive alignment.
- > To encourage paperless test for sustainable environment in IR 4.0.

ADDED VALUES (2)

Paperless test question and answer

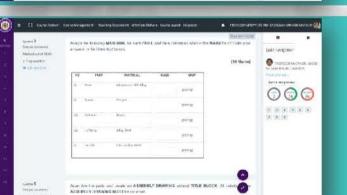
• Multiple choice

ABSTRACT

Alternative Learning Domain:



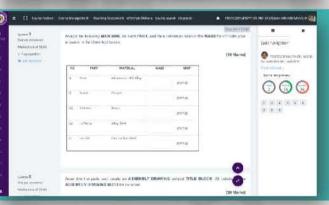
- Embedded answers
- Alternative Learning Domain: C/P

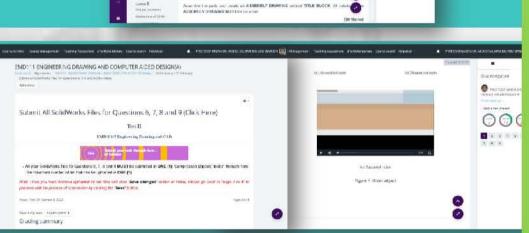


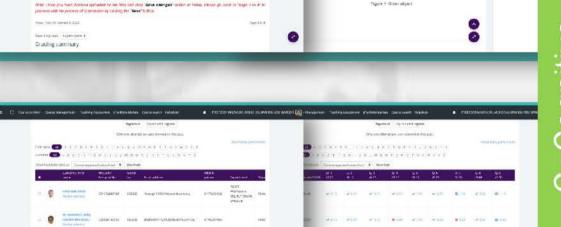
- Files Based evaluation
- + Animation
- Alternative Learning Domain: C/P
- Quick test results
- Marks for All questions
- Alternative Learning Domain: C/A
- PLUS: Timer Countdown
- Alternative Learning Domain: C/A

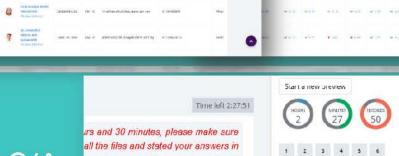






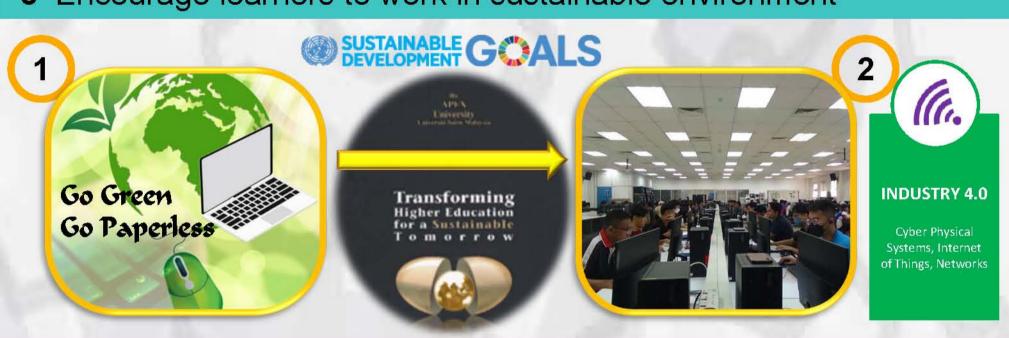






USEFULLNESS

- 1 Evaluate learners' initial performance quickly based on rubric
- 2 Grab more the learners' attention via online test assessment
- 3 Encourage learners to work in sustainable environment



COMMERCIALIZATION POTENTIAL



2 Higher Learning Institutions

3 Training Centres

4 Manufacturing Industries



ACKNOWLEDGEMENT

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INNOVATOR DETAILS (1)

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