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Creating an Agile Software Framework to Increase the Effectiveness of Information Assurance Education

Abstract:

The quality of information assurance education is vital to the strength of the computer security community. Education is also very important to the continued efforts to keep data in existing and future information technology systems protected. For such education to be effective, a certain amount of practice must be in place to supplement theory.

With the creation of an Agile Education Framework (AEF), both Professors and their assistants will have the capability to create custom demonstrations and laboratory assignments for their students. These custom scenarios will increase the effectiveness of lectures and better train students for the challenges they will face in field. Educators will also have the advantage of keeping up with new techniques, methods, and technologies as they emerge rather than waiting for a standard curriculum to be developed.