**How e-learning can be used to enhance learning and teaching**

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In e-learning a student uses a computer and connection as medium for the learning. This teaching medium is alternative for old face-to-face teaching, this is not necessary that either it is right or wrong. Schramm, in 1977, maintained that effective learning depends more on the content and instructional strategy, or the teaching and learning pedagogy, than on the technology used to deliver instruction. Here two questions arises, can e-learning enhance teaching and learning? If yes, then how can teaching and learning be improved, relative to old methods, through e-learning?

In order to enhance teaching and learning, it is essential to define the baseline against which the improvement is to be measured. For this case the baseline is face-to-face, or traditional teaching and learning. Biggs (2003) online learning must create challenging activities that allow learners to link new information to ancient, gain meaningful knowledge, and use their meta-cognitive abilities. However this is also important for the face-to-face learning. Similarly, Biggs (2001) feels that online learning can enhanced learning, when he says, e-learning when done well, can improve learning and deliver enhanced learning outcomes and has the prospect to transform the way education is conducted in these settings. There are some advantages for e-learning that any student can access anytime and anywhere, as well as the disadvantage of the e-learning is the lack of feedback that more occur in face-to-face learning. The feedback is more than just answers questions, that communication through eye contact and body language.

How can be enhanced the teaching and learning using online media compared with face to face instruction? 1: **plans the learning outcomes** that are expressed in terms of learner performance and competency. An example for the course at the Systems Engineering and Complex Problem Solving (SECPS) course at University of South Australia is for students to be able to hypothesis on how the principles of systems engineering may be applied in a complex design project.in face-to-face the student just follow the instructor content. But in online learning student search it in depth for the understanding of the course that is not in face-to-face learning. 2: **Plan the learning tasks** so that learners involve in a variety of challenging activities that demand higher order awareness and skills. 3: **Choose assessment strategies**. These need to be derived from the learning results, and should not only judge their level of success of learning outcomes, but provide supervision to progress in understanding. 4: **Plan support strategies**. Design the roles and interventions for the instructor and the other learners as peers. 5**: Plan the resource needs** including course material, online sources, text books, journals, and industrial standards. 6: **Plan the organization approach** **for the online materials**. Use appropriate online course delivery systems, such as WebCT and Blackboard.

E-learning is an opportunity to take learning to a new level, and enhance learning through many online tools available and being developed. Face-to-face lectures will be improved using electronic and on-line resources and activities, and new ways of achieving learning may emerge.