

Plan for a SoTL Project

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Research Question

What are you curious about?

I am curious to learn and research about the usage of cloud computing in online or e-learning environments to implement a flipped class room model.

What would you like to know about strategies that might hinder and/or help students to learn, in your course?

In today's era cloud computing plays a significant role in the active learning of students. By using a LMS(Learning Management System) over cloud will help students to perform all of the pre class activities from a centralized space instead of accessing them from their individual disk storage. It will give the learner's multiple access to materials at any time. It will also encourage and motivate the students for learning.

Do you want to know if an activity, assignment, or teaching strategy "works?"

Absolutely I am eager to learn about the different strategies which can be used in the flipped classroom model using cloud computing.

Do you have a question about how to help your students learn a particular skill?

Different training sessions should be arranged for the students to use Learning Management Systems and how to access the learning materials in the flipped classroom model.

Identify challenge/outcome related to learning that is related to your question. Describe the learning in a way that suggests how you might measure it using either qualitative or quantitative methods

For using the flipped classroom model using cloud computing students will be trained on technologies, how to securely access the learning resources on the LMS. They should also be able to use time management for doing the pre learning activities which are critical for the class room instruction. I would like to use qualitative and quantitative methods both for this research. Different information

gathering techniques can be used like online surveys, interviews, questionnaires etc.

Describe the instructional activity, assignment, or teaching strategy that will promote student learning on the outcome you identified.

SoTL projects might investigate the impact of a modification to an existing strategy or assignment. Describe how the new approach differs from the old approach and why this modification might change student learning on this outcome.

Flipped classroom model can promote the active learning of students by giving them an opportunity to do pre learning activities, it will result in giving them some more time to perform in class activities, better time management, increased student/teacher interactions, more hands-on time to do the labs etc.

Describe the evidence that would persuade an external audience that the new or modified teaching strategy improves student learning on the targeted learning outcome. Describe the evidence you would need to collect to answer questions about the impact or value of this teaching strategy. How would you convince others that this approach is better than other approaches? What comparisons should you make? Examine students; skill before and after the assignment? Compare students who complete the learning activity to another group of students – what comparisons would be meaningful?

I will do the surveys and use another information gathering and analytical tools to take the learner's opinion, I will convince the learners by comparing both of the approaches and guiding them about the advantages of using this model, I think the

comparison of both of the models will be essential and by doing the comparative analysis learner's will be in a position to understand the advantages of using this model in their specific disciplines.

How and where would you publish, present, or disseminate this work?

I would like to share my findings of the research with my school, my colleagues, my program coordinator, Associate Dean etc. If they feel my research is helpful for the enhanced learning of students then it can be shared with the rest of the faculties in our college.

Adapted from: C. J. Stanny, E. M. El-Sheikh, & H-M. Chung (2009) ***Getting Started with a SoTL Project***

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