Chapter 29
Integration of Web 2.0 Collaboration Tools into Education: Lessons Learned

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ABSTRACT
Web 2.0 is opening new capabilities for human interaction. It also broadens the way technology is used to collaborate more effectively. This chapter discusses instructional strategies and techniques used to successfully utilize Web 2.0 tools for classroom collaboration. It will also shed light on pedagogical issues that arise with the implementation of Web 2.0 into the educational setting. The chapter will present case studies describing how various Web 2.0 applications can be incorporated into a variety of courses in the areas of nursing, education, and computer information systems. Finally, recommendations for teachers and students on how to effectively use Web 2.0 tools to improve collaboration will be outlined.

INTRODUCTION
The Internet has had a phenomenal impact in the educational setting creating opportunities in e-learning, information access, publishing and research. Some University officials were concerned that the Internet would destroy the traditional campus life (Ryan, 2001). This is far from the case. The Internet has presented new opportunities along with some significant challenges to the educational setting. The emergence of Web 2.0 into the education setting is having the same impact as Web 1.0 but is much more pervasive and powerful. The idea that students can collaborate in real-time to create digital contents such as words, programs, images or theories is a compelling notion. In addition to content creation, students can now access a vast amount of information from a variety of excellent and dubious sources. The challenge for educators is to comprehend how to utilize the tools and applications to improve the teaching and learning process.

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One of the main objectives of this chapter is to demonstrate how Web 2.0 is changing the landscape of higher education and the application of Web 2.0 learning technologies. Further, this book chapter will present a number of case studies describing how various Web 2.0 applications can be incorporated in a variety of courses in the areas of nursing, education, and computer information systems.

The chapter will discuss instructional strategies and techniques used to successfully utilize Web 2.0 tools for classroom collaboration. It will also shed light on pedagogical issues that arise with the implementation of Web 2.0 into the educational setting. Specifically, the chapter will be broken down into four sections as follows:

1. **The Importance of Collaboration in Education**
   - Collaboration is an intricate concept with multiple attributes. The term is hard to define because it encompasses a variety of activities such as peer response groups, peer tutoring, peer workshops, group research projects, classroom group discussions, and learning communities.

2. **SEC**

3. **TION 1: COLLABORATION**

   This section will focus on the concept of collaboration and its benefits as related to Web 2.0 phenomenon.

   **The Importance of Collaboration in Education**

   The importance of collaboration in education has long been acknowledged. It is a critical aspect of successful teaching and learning practices and achieving better outcomes. Collaboration is an
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