E-LEARNING
THE ROLE MODEL TECHNOLOGY

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ABSTRACT

Developments in information technology and its applications are ever-changing. Since the inception of Internet, continual advancements have altered the way in which people live, work, and communicate. One of the most up and coming trend in the field is instruction and learning through electronic means i.e. E-learning. Within the past few years, colleges and universities have introduced and incorporated a number of E-learning technologies to increase flexibility in course offerings and to enhance student-learning experiences. The research till date indicates that E-learning technology can support higher-order thinking by engaging students in authentic and complex tasks to over come. The E-learning model seeks to understand the factors and processes essential to student education and development (i.e., achieving the multiple learning goals of exploration, communication, collaboration, and assessment). A systematic research has been conducted to assess the value of E-learning tools to the students, incorporate and examine factors, including student proactivity and the utilization of E-learning tools that may influence a student’s ability to achieve learning goals and objectives. An E-learning model that incorporates proactive student characteristics, the utilization of e-learning tools and educational outcomes within an Internet learning environment was proposed and tested over 1150 students comprising school goers, undergraduate and graduate students who actively participated in the study. All participants were enrolled in an E-learning environment in which no face-to-face instruction occurred.

Results revealed that the interaction of student proactivity factored into the students’ utilization of E-learning tools and programs. The increased utilization of E-learning tools subsequently influenced E-learning goal attainment and student outcomes. This research is one of the first empirical study as Role Model Technology and E-learning innovations within an educational environment setting and practical implications as well as directions for future research are discussed.