Abstract

E-Learning is a fast maturing domain that involves the integration of many technologies. Learning is a knowledge intensive domain. Recent trend is to develop software applications using service oriented architectures. However current learning systems have predefined learning modules and do not take into account the competency of learner and other behavioral aspects. This paper proposes a dynamic framework for e-learning systems using web services that overcomes these drawbacks. The idea is to create value added services from set of existing learning services. The approach employed utilizes the principles of service orientation that lists the software resources required for a learner depending on his/her skills, learning capability and the requirement of the organization. It customizes the learning material to each one’s need. This paper is dedicated to providing improved learning opportunities for the IT industry that meet the needs of employees and enhance their knowledge and expertise level for skills relevant to their role in the software team.

References


Index Terms

Computer Science
Information Sciences

Keywords

Service oriented Web services E learning IT industry skill enhancement