Enhancing QoS in Mobile Learning Multimedia in Resource Constrained Environments

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Abstract

The popularity of mobile learning multimedia applications is increasing day by day. However, the provision of guaranteed Quality of Service (QoS) in mobile learning multimedia in developing countries is still challenging due to scarcity of link bandwidth. This paper presents a model that enhances QoS in mobile learning experience enriched with multimedia, aimed to increase the level of user satisfaction with a focus on resource constrained environments. The paper achieved the goal by using optimization technique on both communication network and multimedia contents to reduce information loss, latency, and jitter with improved audio-visual quality among others.

References


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Index Terms

Computer Science

Information Sciences

Keywords

Mobile Learning Multimedia, Quality of Service (QoS), QoS Framework, Resource Constrained Environments.