

Abstract

Podcasting is a method of distributing multimedia files over the internet. These files can be played back on personal computers, hand phone, or portable music player right after being accepted. The publish model of podcasting is a version of push technology, in that the multimedia content provider chooses which files to offer in a feed and the subscriber chooses among available feed channels. Podcasters' web sites may also offer direct streaming of their files or download automatically using software capable of reading RSS.

So far, university lectures activities being held manually. In this system, if lecturer or student was hindered to attend class, it will cost on time inefficiency. From this problem, a web-based system of providing lecture materials was made. Despite of resolving the problem, web-based system has another problem regarding there is no alert when updated files are available. To handle this weak point, podcast technology based on RSS (Really Simple Syndication) can be used. Using this technology, user will find out fast (realtime) and could automatically download when lecturer updates the files.

The implementation of this lecturing material provider system with a podcast basis is using an Apache web server 2.0.55, PHP 5.0.5, and MySQL 5.0.15 database. Later expected with the implementation of this system can optimized the lecturing activity and improve the studying quality.

The excellence of lecturing material provider system with a podcast basis is student could find out updated file right after lecturer updating files on server. As a supplement, in this final assignment system provide audio contents. Here, it will use audio file in mp3 format with 20 kbps bit rate and 11.025 Hz sample rate, which is the optimum size from MOS result.

Keyword: podcast, feed, upload, and download, RSS