Development of a Job Control System to Optimize Web Traffics

Sandun Fernando¹, Janaka Dalugama¹, Ranjith Jayasekera¹, Gamunu Dassanayake², Vaise Patu², Atsushi Minato² and Satoru Ozawa²

¹ University of Kelaniya, Dalugama, Kelaniya, Sri Lanka
² Graduate School of Science and Engineering, Ibaraki University, Nakanarusawa, Hitachi, Japan

ABSTRACT

In most of the universities in Sri Lanka, the limited bandwidth of the Internet connection during day time gives slow performance of downloading of sound, video and intensive graphics data resulting in a long waiting time that can adversely affect the efficiency of the web-based teaching/learning processes. It is therefore extremely needed to optimize the web traffics in order to have better responses during day time. The primary objective of this paper is to propose a job control system to optimize the Web traffics to improve the Internet responses.