## Improvement of Text-based E-learning Contents by Using a New Multimedia-type Web Authoring Tool - A case study from a Sri Lankan University -

Gamunu Dassanayake<sup>1</sup>, Vaise Patu<sup>1</sup>, Sandun Fernando<sup>2</sup>, **Ranjith Jayasekera<sup>2</sup>**, Atsushi Minato<sup>1</sup>, Hiroshi Noguchi<sup>3</sup> and Satoru Ozawa<sup>1,3</sup>

<sup>1</sup> Graduate School of Science and Engineering, Ibaraki University, Hitachi, Japan <sup>2</sup> University of Kelaniya, Dalugama, Kelaniya, Sri Lanka, <sup>3</sup> Centre for Information Technology, Ibaraki University, Hitachi, Japan

## ABSTRACT

In South Asian countries, as the number of students seeking admission to regular degree programs far exceeds the number of places that the universities can offer, some universities have opted to offer elearning courses in addition to the regular ones. However, most of the teaching materials used in such courses are text-based web contents. An attempt was made to introduce a new web authoring tool that can easily convert text-based contents into attractive multimedia-type contents. The objective of this paper is to discuss some of the issues that have been encountered while implementing the tool in one of the Sri Lankan universities in order to increase both efficiency and effectiveness of the teaching/learning process.