ROYAL UNIVERSITY OF PHNOM PENH

Master of Science in Information
Technology Engineering

Software Development

DEVELOPMENT ALGORITHMS AND SOFTWARE OF AUTOMATIC SEGMENTATION OF THE IMAGES OF KHMER PRINTING TEXT BLOCK

Abstract

The process of converting paper documents to e-documents. First of all, papers were scanned, in the end of process got image documents. Image documents, we could not edit, search, modify and etc. So we need to convert image documents to e-documents. To recognize block-text, first of all image of block text was segmented to separate objects. Most of European alphabets are not merged each other. But for some of Khmer alphabets are merged together. The problem is to develop algorithm to segment the images of Khmer printing text block and software demonstration.