**ROYAL UNIVERSITY OF PHNOM PENH**

Master of Science in Information
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Software Development

# DEVELOP ALGORITHMS AND SOFTWARE OF IMPROVING QUALITY OF IMAGE DOCUMENT

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**Keywords:** Improving Quality of Image Documents, OCR
**Field related:** Computer Graphic, Digital Image Processing, Programming Language

**Abstract**

There are many mistakes of scanning picture or document. For example, texts of scanned document are not straight forward, texts are scanned upside down or there are many small dots appeared. To improving the quality of this scanned document or image, the texts which are not straight forward are calculated how many angles of rotation, and rotate them. The dots are analyzed and clean them. Thus, the topic is to develop algorithms to correct the orientation of text and software for demonstration.