

Topic:

Application of Augmented reality: Mobile Camera Based Bangla Text Detection and Translation.

Abstract:

In this paper, we demonstrate an Augmented Reality based Bangla text detection and translation application on Android-platform (2.2). This application recognizes the text that is captured by a mobile phone camera and translates the text and finally displays back the recognized text along with the translation onto the screen. To develop this application we have used the Optical Character Recognition, OCR engine (Tesseract), Google translate API and an open source Android application called android-ocr. The objective of this project is to assist the tourists navigate while they are roaming around in abroad. To achieve our goal we develop an application based on the mobile camera which can be able to detect Bangla text at word level and translate it into English.

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