Department of Electrical & Computer Engineering
North South University

Senior Design Project Report
ETE 499

Image to Speech Device for Visually Impaired People

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DECLARATION

I, hereby, declare that the work presented in this project report is the outcome of the design and development work performed by us under the supervision of Dr. K.M.A. Salam, Professor, Electrical & Computer Engineering, North South University as a course work of ETE 499A and ETE 499B (Capstone Senior Design Project). I also declare that no part of this report has been taken from other works without reference.

Signature of Students

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Sanjida Mishu

APPROVAL

This project report titled “Image to Speech Device for Visually Impaired People” submitted by Sanjida Mishu (ID 083588045) to the Department of Electrical and Computer Engineering, North South University, has been accepted as Capstone Senior Design Project Term Final Report.

Supervisor's Signature

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Dr. K.M.A. Salam
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Department Chair's Signature

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Dr. Rezaul Bari
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Abstract

Image to text device is designed to convert images in a functioning exploration region which endeavors to build up a PC application with the capacity to naturally peruse the content from pictures. These days there is a colossal interest of putting away the data accessible on paper reports in to a PC clear structure for some time in the future. One straightforward approach to store data from these paper reports in to PC framework is to initially filter the archives and afterward store them as pictures. Anyway to reuse this data it is extremely hard to peruse the individual substance and looking through the substance structure these reports line-by-line and word-by-word. The difficulties included are: textual style attributes of the characters in paper reports and nature of the pictures. Because of these difficulties, PC can't perceive the characters while understanding them. Along these lines, there is a need of character acknowledgment components to perform record picture investigation which changes archives in paper arrangement to electronic organization. In this paper, we have explored and investigated various strategies for text acknowledgment from pictures. This implies a huge lump of individuals with unique necessities live right among us. It's not just the decay of vision that they need to experience the ill effects of; the general nature of their lives disintegrates as well, likewise influencing their degree of autonomy. Fortunately medical care joined with innovative progression is improving as time passes. For instance, a large group of creative low vision arrangements have sprung up recently, offering various sorts of highlights and capacities obliging an entire scope of visual inabilities. The goal of this thesis paper is to sum up the notable strategies for better comprehension of the visually impaired readers and improve their livelihood.