VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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PROJECT REPORT
On
"TRANSLATION OF KANNADA TEXT IMAGE TO ENGLISH TEXT BY PROCESSING OF IMAGE USING OCR"

Submitted by

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In partial fulfillment of the requirements for the degree of
BACHELOR OF ENGINEERING
In
INFORMATION SCIENCE AND ENGINEERING
Under the Guidance of
Ms. VANYASHREE
Assistant Professor

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

Certified that the project work entitled "**Translation of Kannada Text Image to English Text by Proceszsing of Image using OCR**" is a bonafide work carried out by

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in partial fulfillment for the award of BACHELOR OF ENGINEERING in **INFORMATION SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

The Proposed project presents user friendly Web Application. This web application is useful for Tourists and Travelers. One of the features in this web application is, it enables Travelers and Tourists to easily capture the image written in Kannada language books pages, signboards, banners, hotel menus and currency convertor, etc. The built-in OCR converts the text embedded in the captured image into English text. It also provides translation facility so that Tourists can translate the Kannada Language into English language. There is no remote computing because the application has built in OCR suite as well as image processing suite both installed in the Android device. The main objective of this application is to help tourist to travel/navigate easily and freely in travelling place without any difficulty. Kannada is not widely known and is difficult to master. So, in order to make the Kannada language more accessible, we designed this application. This way Kannada text is easily available to those who are not familiar with it. The application captures the Kannada text image and recognizes it into Kannada text. Then translates it into English. This application is also designed to aid tourists and others to better experience Karnataka by providing a quick point and shoot way of translating Kannada boards and other texts.