

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama", Belagavi-560014, Karnataka**



**A PROJECT REPORT ON**

**"EXTRACTION OF DATA FROM IMAGE PDF USING OCR"**

**SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE**

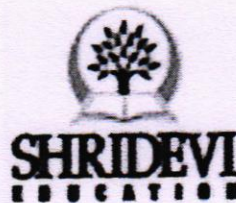
**BACHELOR OF ENGINEERING  
IN  
COMPUTER SCIENCE & ENGINEERING**

**Submitted By**

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**Under the guidance of**

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**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY  
(Affiliated To Visvesvaraya Technological University)**

**Sira Road, Tumakuru – 572 106, Karnataka.**

**2021-22**



# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Sira Road, Tumakuru - 572 106, Karnataka.

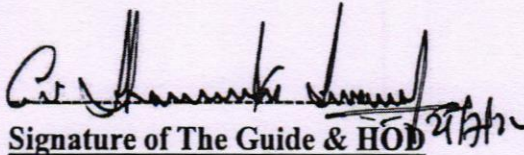
Phone: 0816-2219699 | Fax: 0816-2219698 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org



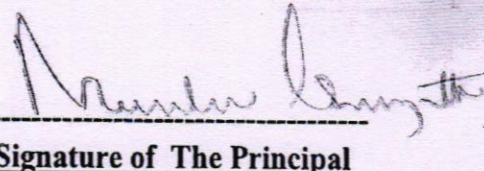
## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

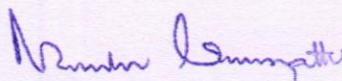
This is to certify that, the project entitled "EXTRACTION OF DATA FROM IMAGE PDF USING OCR" has been successfully carried out by Basu, Anup [ISV18CS005], Enchara M [ISV18CS014], Prajwal C [ISV18CS032], Sushma H S [ISV18CS042], in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all the corrections/suggestions indicated for internal assessments have been incorporated in the report. The project report has been approved as it certifies the academic requirements in respect of Project work-II prescribed for the Bachelor of Engineering Degree.

  
Signature of The Guide & HOD

**Prof. Shanmukaswamy C V** B.E., M.Tech.  
Associate Professor & HOD  
Dept. of CSE,  
SIET, Tumakuru.

  
Signature of The Principal

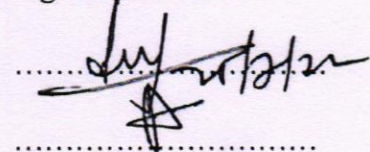
**Dr. Narendra Viswanath** M.E., Ph.D., MIE, NISTE, MIBS, FITV.  
Principal,  
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PRINCIPAL  
SIET., TUMAKURU

Name of the Examiners

1. Shanmukaswamy C V
2. Renukaradhya P C

Signature with date

  
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## ABSTRACT

Text data present in images contain useful information for automatic explanation, indexing, and structuring of images. Extraction of this information involves detection, localization, tracking, extraction, enhancement, and recognition of the text from a given image. However, variations of text due to differences in size, style, orientation, and alignment, as well as low image contrast and complex background make the problem of automatic text extraction extremely challenging in the computer vision research area. The following proposed method are used here in this project to extract text from the desired images, they are OCR. Text recognition in images is a research area which attempts to develop a computer system with the ability to automatically read the text from images. These days there is a huge demand in storing the information available in paper documents format in to a computer storage disk and then later reusing this information by searching process. One simple way to store information from these paper documents in to computer system is to first scan the documents and then store them as images. But to reuse this information it is very difficult to read the individual contents and searching the contents form these documents line-by-line and word-by-word.

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