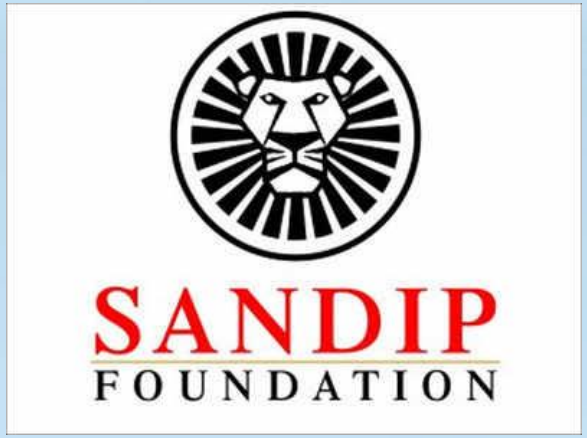
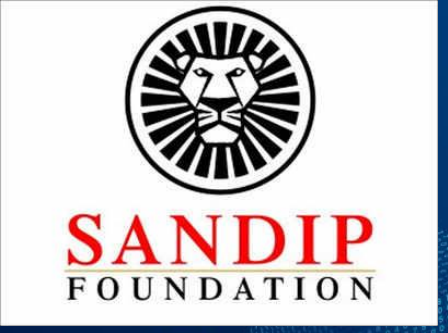



# LP-II project

BE2021B18- RATNESH CHIMNANI.

PRN- 71917536E




SANDIP FOUNDATION'S SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, NASHIK
DEPARTMENT OF COMPUTER ENGINEERING

**DEPARTMENT OF COMPUTER SCIENCE**

**A PROJECT PRESENTATION ON**

# IMAGE TO TEXT CONVERTER

**PRESENTED BY-**

**GROUP B18 RATNESH CHIMNANI**

**DR.VIVEK N.WAGHMARE**
**PROJECT GUIDE**

**DR.AMOL POTGANTWAR**
**HOD**

# CONTENT:

- Introduction
- Motivation
- Objective
- Problem Statement
- System Architecture
- Proposed System
- Software Tools/Technologies to be used
- Conclusion

# INTRODUCTION:

- Image to text converter is a type of application that can be used to translate images of any format to the text format. This application helps one to convert the texts in image files into editable text files. It has some pre-requisite conditions saying first that the text captured should be aligned horizontally straight. Then the text in the image to be converted contains only A, B, C, and D of pre-defined fonts or human written fonts.

# MOTIVATION:

- There are many third party application for conversion of image to text but have either ads or take charges and require login details which can be pretty annoying. This motivated me to create a program which will be simple in design and free of cost to use .

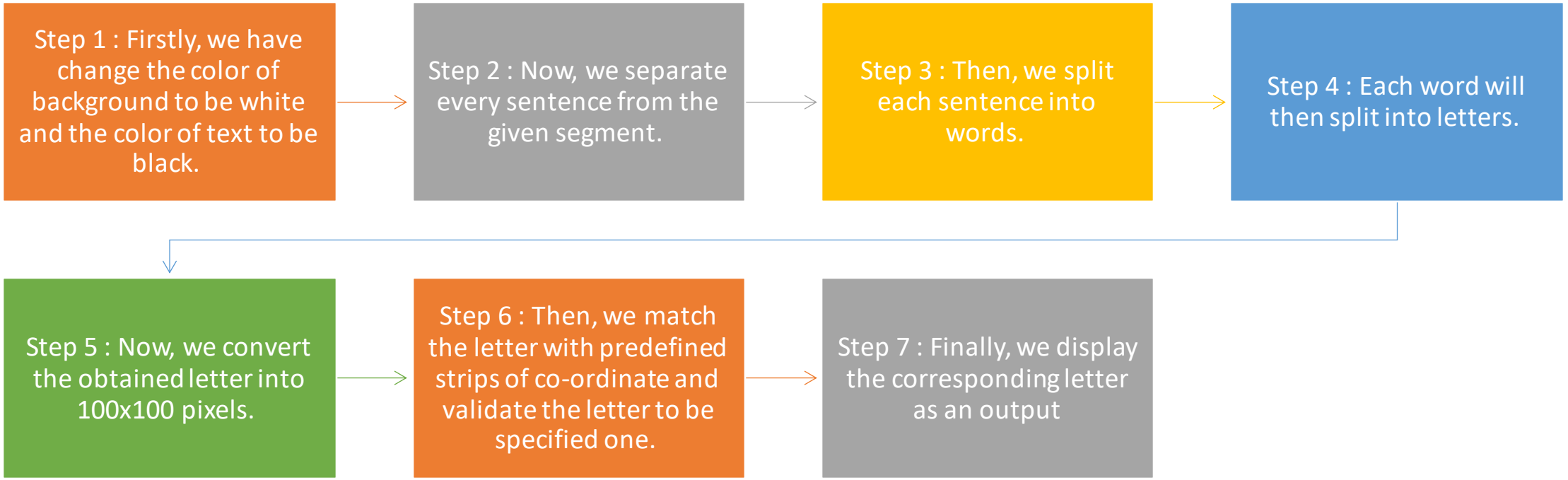
# OBJECTIVE

- The objective of OCR software is to recognize the text and then convert it to editable form. Thus, developing computer algorithms to identify the character in the text is the principal task of OCR. A document is first scanned by an optical scanner, which produces an image form of it that is not editable. Optical character recognition involves. Translation of this text image into editable character codes such as ASCII .

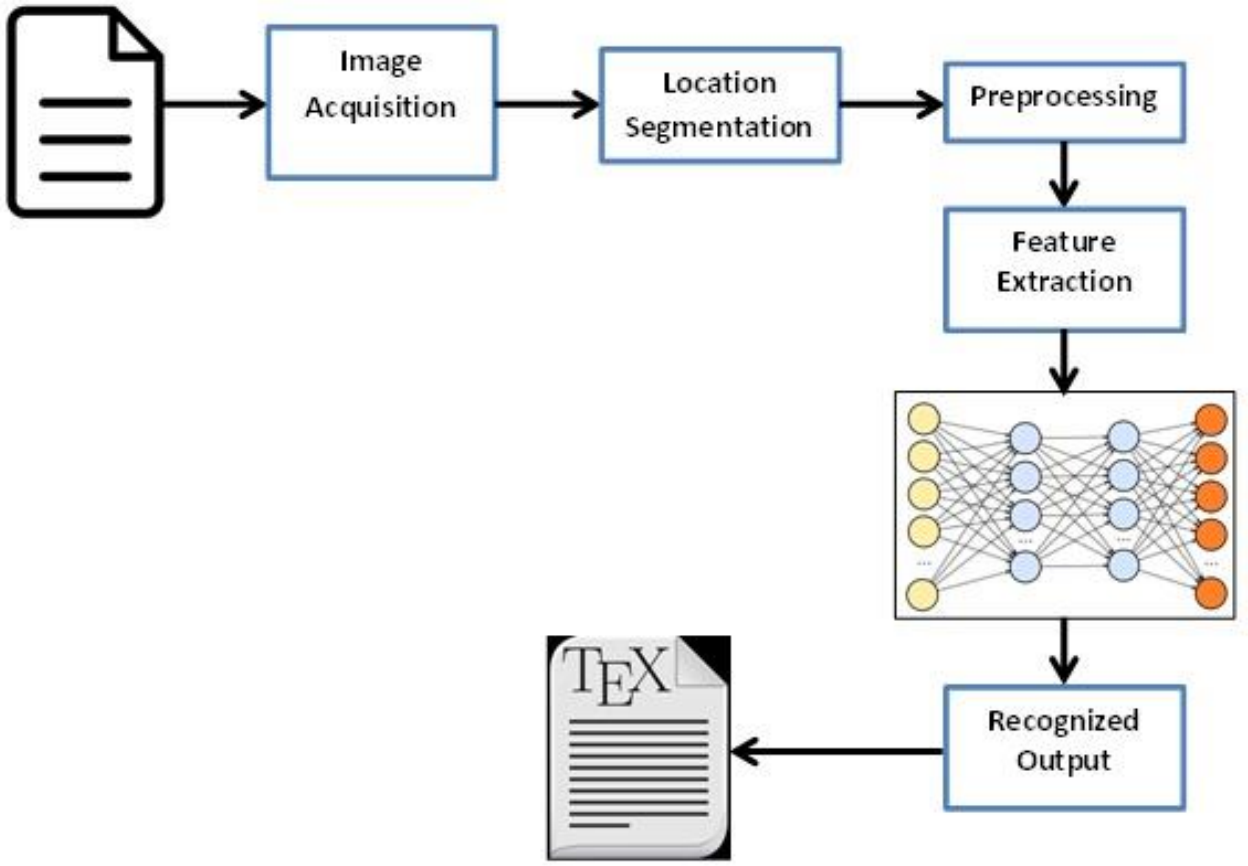
# PROBLEM STATEMENT:

- **To build an Program to covert in to editable text from image.**

# PROCEDURE:


Step 1 : Firstly, we have change the color of background to be white and the color of text to be black.
Step 2 : Now, we separate every sentence from the given segment.
Step 3 : Then, we split each sentence into words.
Step 4 : Each word will then split into letters.
Step 5 : Now, we convert the obtained letter into 100x100 pixels.
Step 6 : Then, we match the letter with predefined strips of co-ordinate and validate the letter to be specified one.
Step 7 : Finally, we display the corresponding letter as an output

# PROPOSED ARCHITECTURE:



# SOFTWARE TOOLS/TECHNOLOGIES USED:

| | | |
|---|---|---|
| PYCHARM | PYTHON | OCR(OPTICAL CHARACTER RECOGNITION) |
| PYTHON PACKAGES: | 1.TESSEARCT | 2.OPENCV |

# CONCLUSION:

- **In conclusion to the project of laboratory practical 2 presentation I have successfully the required demands of the project with the help of certain technologies and able to built a program to convert image into text.**