

Project Title : Optical Character Recognition

Team Members:

- 1) Govind Lahoti (140050020)
- 2) Mohit Vyas (140050015)
- 3) Kapil Vaidya (140050006)
- 4) Naay Balodia (140020106)

Abstract:

An app recognizing characters present in an image.

Implementation :

The basic operation of our app will be to read characters present in an image and convert to text document which can be used for different purposes:

OpenCV : For basic image operations

Requirement :

- 1) Good resolution Camera : To take images as input
- 2) A device to install the app
- 3) Some classes of OpenCV

Timeline :

Week 1

- 1) Learning android programming
- 2) Learning Java
- 3) Learning basic concepts of OpenCV
- 4) Basic Algorithms required for image processing
- 5) Dividing work among the team members

Week 2

- 1) Making a basic image processing app.

Week 3&4

- 1) Coding for the main app & deciding upon optimization (Reducing data duplicacy)

Week 5

- 1) Testing & debugging

Week 6

- 1) Solving any left difficulties
- 2) Extending the app if time permits

Funding:

No funding required

Learning Aspects :

1. Android Programming (Java, XML, APIs)
2. Software development
3. Aspects of image processing & its applications.