QUICK EYED

The project is based on AID for EYE.

The very first step is to take a picture from any smartphone and using the image the defects and the diseases will be diagnosed.

Diseases:

Diseases like cataract, conjunctivitis etc can be diagnosed on the basis of

-colour of eye

-intensity

-RGB value

-mean and area

Generally identifyinh the colour of the eye the disease can be diagnosed, never the less for more precision picture is further classified in pixels to get the précised result.

If pixels are coming under the range 35-40 then the it’d the normal condition.

If the range is between 45-60 then it shows the initial period of disease.

And for serious conditions range will be 150-180.

Defects:

Defects like hypermetropia, myopia, presbyopia etc can be diagnosed by 3D image which will be taken place under Machine Learning.

MATLAB which is used for image processing by which RGB image is converted to Grayscale image and using the tools which are available in MATLAB we are zooming the image and finding the pixel range and hence finding out the disease.The result will be taken as input for the process of one hot encoding which is based on the concept of Dict-vectorizers and SKIIMAGE which will get the vector . From the vector using the google custom search API we are trying to provide the best remedy and prevention to the defect . We also use the big data concept of mapper.py and reducer.py which will further improve the further recommendations .

Basically this project focuses on creating the signifgicant changes in healthcare industry.