

# User Manual

MADRIP

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# Introduction:

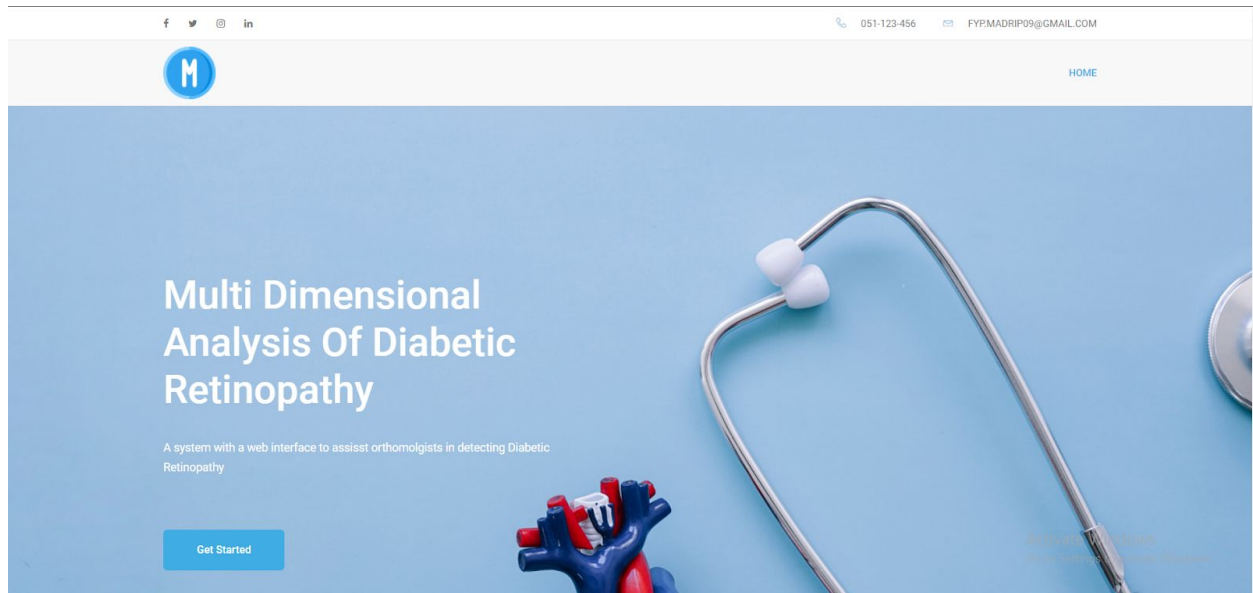
This website is an interface for the decision support system developed for Ophthalmologists. The user can access the following features through the website:

1. Diabetic Retinopathy stage identification
2. Feature extraction of defective area
  - a. Blood vessel detection
  - b. Exudates detection
3. Diabetic Macular Edema identification
4. Report generation

This manual explains the ways in which a user can use the various features of our system. In the end it also answers a set of Frequently Asked Questions.

# Using the Website:

In order to access the features the user is required to Login to the system. Click the Get Started Button on the Home Screen to move to the Login screen then use the credentials you set when you Signed Up.

The image shows a 'User Login' form. On the left, there is a large circular graphic containing a laptop icon with a user silhouette on its screen, surrounded by four small colored circles (blue, green, green, blue). The form itself is on the right and includes two input fields: 'User Name' with a person icon and 'Password' with a lock icon. Below these fields is a large green button labeled 'LOGIN'. Under the button is a link that says 'Forgot Username / Password?'. At the bottom of the form, there is a link that says 'Create your Account' followed by a right-pointing arrow.

No problem if you don't have the credentials, you can Sign Up with us anytime. Just click on to the **Create your Account** and enter your details.

## WELCOME TO MADRIP

Name

First NameLast Name

Organization

Email

Phone

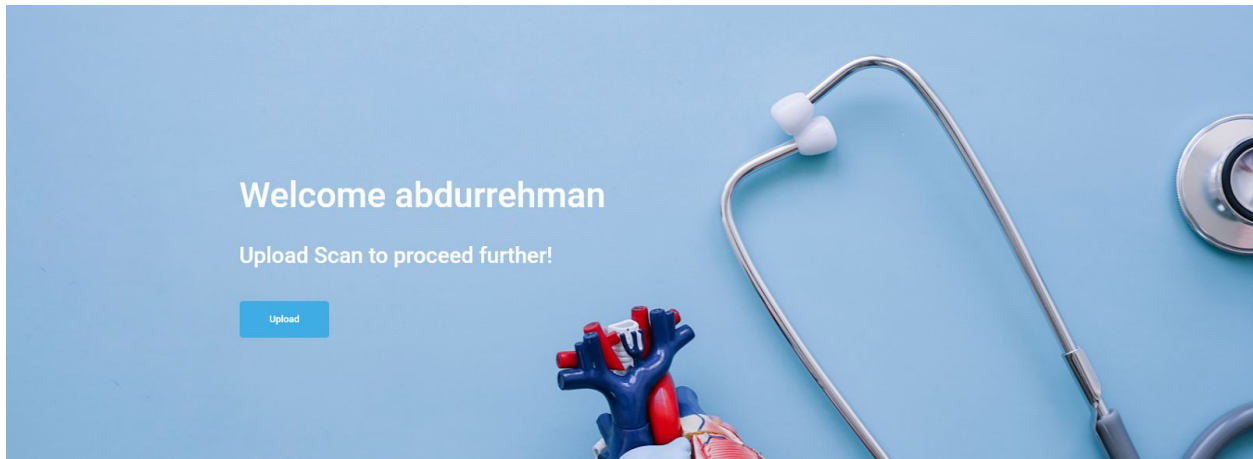
CodePhone Number

User Name

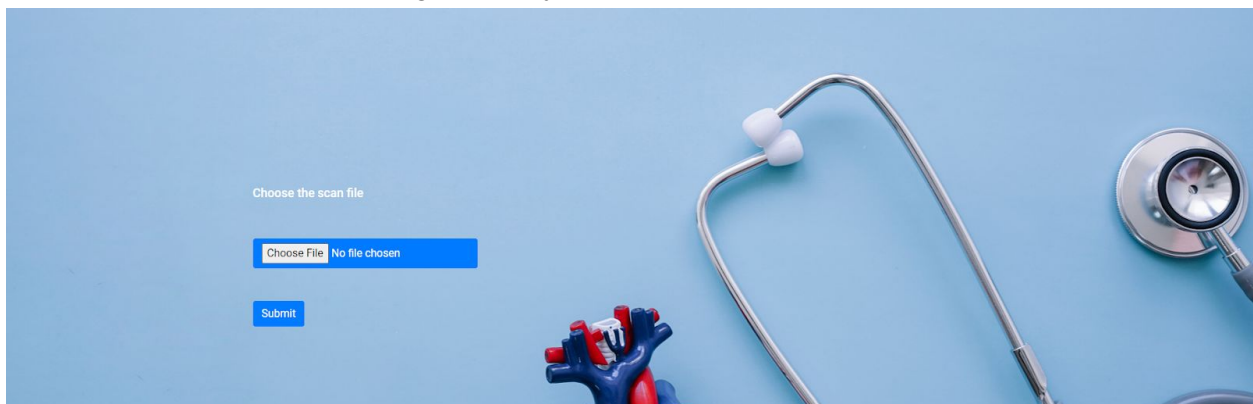
Password

REGISTER

Click on the **Upload** button to upload the image.



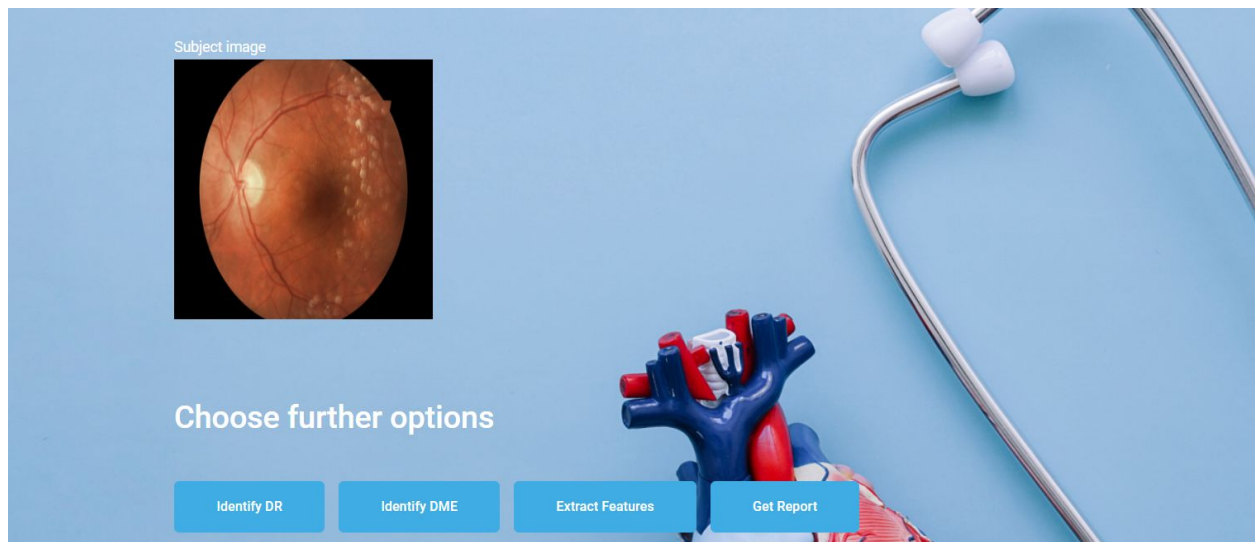
You would be directed to the page where you can select the file to upload.



Once you have selected the file.



The file name is displayed before you click on the **Submit** button. You would be directed to the page where your uploaded image is displayed and the list of the features that you can use are shown in the form of **Buttons**.

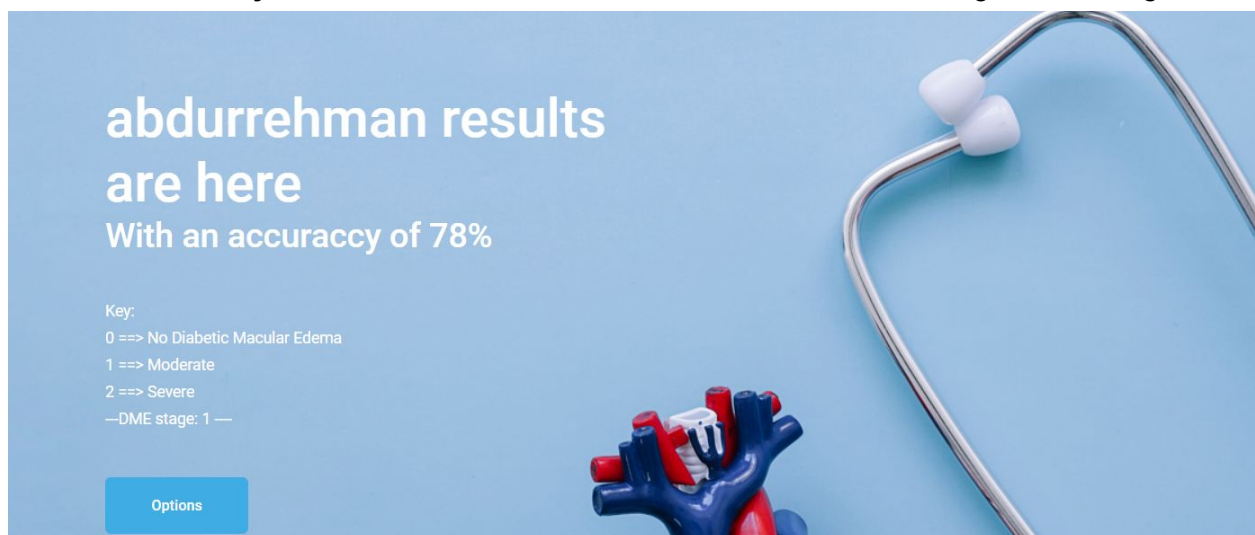


Click on the **Identify DR** button to know the Diabetic Retinopathy stage of the image.



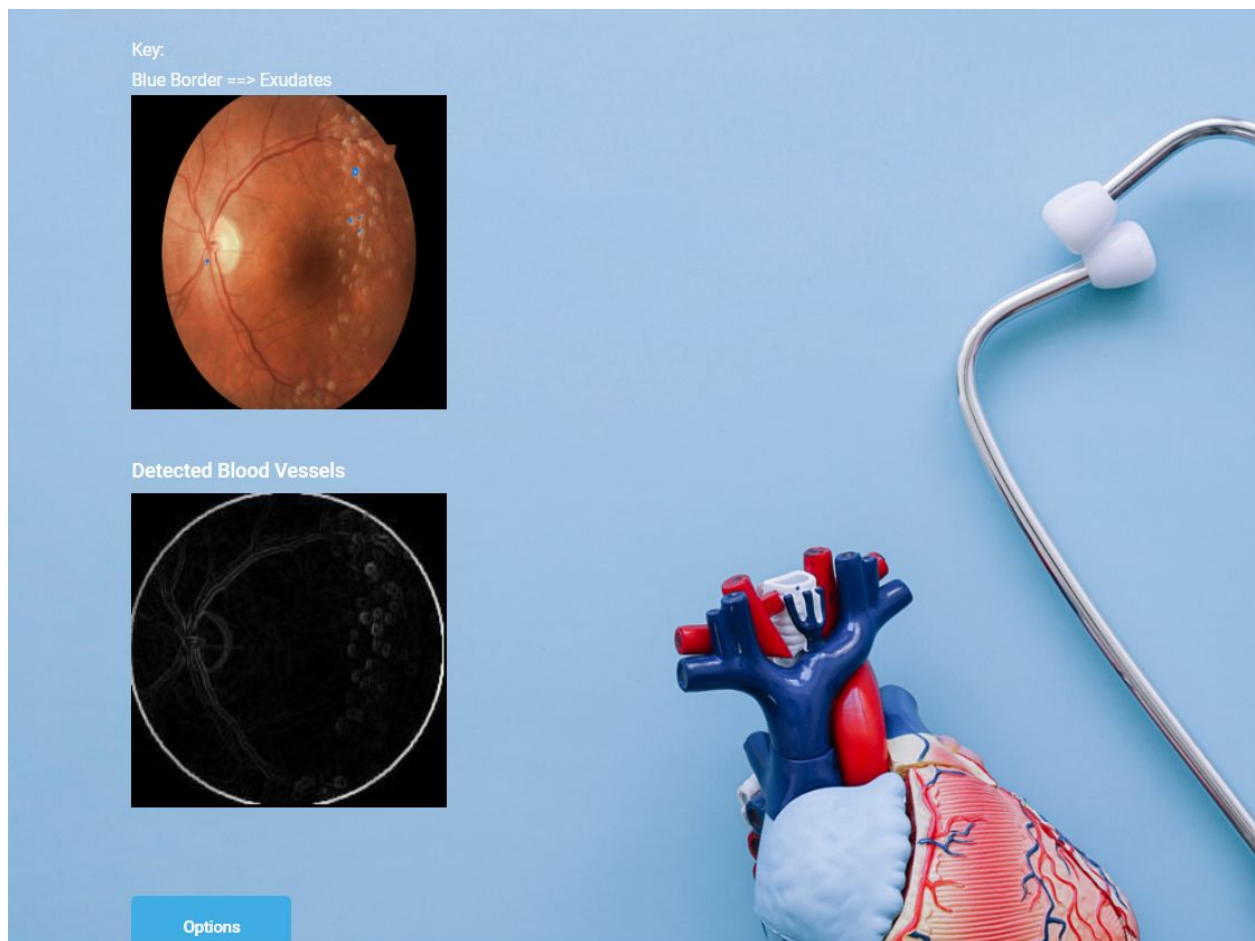
Use the **Options** button to move to the Options page.

Click on the **Identify DME** button to know the Diabetic Macular Edema stage of the image.



Use the **Options** button to move to the Options page.

Click on the **Extract Features** button to get the features of the image. The features are highlighted on the subject Image.



Use the **Options** button to move to the Options page.

Click on the **Get Report** button to get a downloadable Report. The page contains the Hyperlink of the Report. Click the link to open Report.



## Abbreviations:

**MADRIP** ⇒ Multidimensional Analysis of Diabetic Retinopathy Using Image Processing

**DR** ⇒ Diabetic Retinopathy

**DME** ⇒ Diabetic Macular Edema