Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

PROBLEM STATEMENT:

- Given a image of left and right eye of the patient, the main aim of the project is to classify the eye status among one of the following classes 0 - No DR, 1 - Mild, 2 - Moderate, 3 - Severe, 4 - Proliferative DR. So my task is to create an automated analysis system capable of assigning a score based on the above scale.

HOW TO SOLVE THIS ISSUE:

The detection of this DR in early stages manually is a difficult task. Since a Deep learning techniques are used for early detection of diabetic retinopathy that can prevent blindness and other eye related diseases