

PROBLEM STATEMENT

The leading causes of blindness and low vision are primarily age-related eye diseases such as age-related macular degeneration, cataract, Diabetic Retinopathy(DR), and glaucoma. High blood sugar levels in people with diabetes can damage the blood vessels in the retina and cause blindness. Diabetic affects up to 80 percent of all patients who have had diabetes for 10 years or more. DR can be detected by examining the fundus image by an ophthalmologist. Limited number of ophthalmologists who can analyze fundus image is an obstacle because the number of DR sufferers continues to increase. Therefore, an automated system is needed to help doctors diagnose the disease. In this project we aim to develop an Artificial Intelligence (AI) approach to find DR in fundus images.