**DETECTION OF DIABETIC RETINOPATHY USING DIGITAL IMAGE PROCESSING**

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Abstract

Diabetic retinopathy is a leading cause of blindness among working-age adults. Early detection of this condition is critical for good prognosis.Diabetes is a chronic end organ disease that occurs when the pancreas does not secrete enough insulin or the body is unable to process it properly. Over time, diabetes affects the circulatory system, including that of the retina. Diabetic retinopathy is a medical condition where the retina is damaged because fluid leaks from blood vessels into the retina. The process included are through the processing of image which have various phases like capturing eye image, image enhancement, image restoration, morphological processing, image segmentation , representation with description and finally object reorganization. Hence it helps the early stage detection of diabetics, so that the person can undergo treatment and get cured from diabetes.

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