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## **Recognise A Sclera Vein Using Parallel Approach**

BAKKIYA LAKSHMI T<sup>1</sup>,VIJAYALAKSHMI M<sup>2</sup>,RAJESWARI G<sup>3</sup>

1,2</sup>M.E CSE,Surya Group Of Institutions,Villupuram,Tamilnadu.

2ASST PROFESSOR, Surya Group Of Institutions,Villupuram,Tamilnadu.

1bakkiya12dharma@gmail.com, 2vijiit90@gmail.com3rajilaxman.1980@gmail.com

Abstract:-Sclera is the white layer of an eye.Human identification for sclera is very slow in early days, so the matching speed was slow in the real time application. In the real time application, the sclera vein introducing parallel approach with two stage parallel matching method. Those two approach are used for registration and matching method. First step is to designed a rotation and scale invariant Yshape descriptor based on the feature extraction method. Feature extraction is to eliminatedthe most unlike matching sclera vein. Second step is to developed the weighted polar line sclera descriptor structure that contain the information to reduce the Graphics Processing Unit memory cost. Third step is to designed a rough sclera vein image into fine or best quality sclera image for two stage matching method. Then finally, it is to elaborate a mapping scheme to map the subtasks to Graphics Processing Units. The sclera vein matching methodthat achieve sudden processing improvement without compromising the best accuracy.