Development of the Next Generation of Diffuse Optical Probe

Status: Filled

Group Members: Gaurav Kashyap, Kedar Kattimani, Shahed Ejadi, Ryley McWilliams, Hnat

Cheung

Sponsor(s): Farid Golnaraghi

Supervisor(s): Dr. Farid Golnaraghi, PhD, P.Eng. Professor, Mechatronic Systems

Engineering

Project Description

OptiScan is a handheld diffuse optical Near-Infrared handheld probe extensively used in the

Software (can be done concurrently to replace the old software)

- o GUI Redesign
- o Imaging software is based on MATLAB and must be re-coded in C or alternatives
- o Consult with Doctors and end users on what they would like to see/improvements