

PKT Data Visualization for Healthcare

Senior Project

Fall 2021

I. Overview

A. Team

1. Leader – Berlin Sankar
2. Clinical Consultant – Anisha Paul
3. Computer Science Consultant – Paige Applegate

B. Need for PKT Data Visualization for Healthcare Professionals – Most patients receiving PKT are seen by several subspecialties that are not familiar with PKT including how it should change their approach to treatment.

C. Long-term Goals - Enhance the current understanding of PKT by healthcare professionals and of the status of their patient via data visualization

D. Fall 2021 Goals - Create data visualization tools in HiPerGator designed for diverse healthcare professionals and used clinically to update them on the progress of the treatment of their patient in terms of seizures, medication requirements, clinical laboratory results, and nutritional status.

II. Plan and Progress

A.