Objective/Background

• To build a fall detection system that can detect falls and daily motion of user
• To build an iOS application to detect a fall programmatically and indicate the daily motion of user
• To build an iOS application for sending an emergent message for the occurrence of a fall by a phone call or email

Methodology

• Analysis the fall and movement signal

• Using Bluetooth Low Energy to send the data

Results/Application (if any)

• Ankle worn fall detection system
• Automatically emergent email after a fall
• GPS function to record the instant location
• Phone call alert after the occurrence of a fall