6.101 Final Project
April 2, 2014

Project Title

Transmitting, Receiving, and Interpreting ECG waveforms

Team Member

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Description

Interpreting a patient's heart rate typically requires a stationary ECG device and for the patient to diagnosed in a stationary location. In our project, we will attempt to have a wearable ECG device that amplifies the waveform signal, then modulates and transmits it over a frequency band. The transmitted signal can be received wirelessly, demodulated, and interpreted by a stationary analog sensor system. This solution would increase the mobility of the ECG device, allowing patients to have their heart rates diagnosed while moving and doing their daily activity.