## PROJECT DESCRIPTION AND PURPOSE

This report describes a Smart Watch which provides health and fitness monitoring features to the customer. The following capabilities are offered:

* Step Counting
* Heart Rate Monitoring
* Sleep Monitoring
* Exercise Route Mapping
* Electrocardiogram
* Health Check Notification

The purpose of the device is to provide the customer with a data-driven understanding of their health and fitness. The above features are enabled by onboard sensing, actuation, and bidirectional Bluetooth communication with another mobile device.

A variety of target users are considered for this product which is inspired by wearable devices currently available in the market, such as the Charge 3 **[A]** offered by Fitbit, and the Galaxy Watch 3 offered by Samsung **[B]**. The requirements, design and management documentation relating to the development phase the project, are detailed within this document.

## PROJECT SCOPE

## The focus of this project is the software which will be developed to run on the Smart Watch itself. The software running on the external connected device is considered to be out of scope. It is assumed that this capability is being developed by an external team.