The following describes the use of given code files.

**Accident Detection and Severity Estimation- (ADS Hardware) Program Codes:**

* Before interfacing MPU-6050 accelerometer with microcontroller, the self-test of accelerometer is carried out to verify its proper functioning.

**Code File:** MPU-6050\_Self-Test\_Arduino.txt

* Accident detection and severity estimation program codes that are implemented on ATmega328P are contained in these files,

**Code Files:** ATmega328P\_MPU6050\_i2c function.txt, Accident\_Severity.txt

**Accident Notification Android App Codes:**

* The Andoid App Configurations are specified in these files:

**Code Files:**

Android\_App-Level\_GradleFile.rtf,

Android\_Top-Level\_GradleFile.rtf,

AndroidManifest.xml

* The Android App activity layouts are contained in the following files:

**Code Files:**

Android\_Activity1.xml,

Android\_Activity2.xml,

Android\_Activity3.xml

* GPS location, Bluetooth communication, Camera and other service instances are included in the following java files

**Code Files:**

MyDepositClass.java,

AccidentNotification.java

**Google Firebase WEBApp javascript code:**

* The following html file contains the javascript that displays the location marker on the google map when accident notification is received at Firebase Server.

**Code File:** Firebase\_WebApp.html