**Note:** All the required extensions for python used in this project can be installed using pip.

1.) Download the **severity\_detection\_files.rar** from the link: https://drive.google.com/drive/folders/1YSDuW\_B9HqSRovTtkCny8OyvGPvFn0n-?usp=sharing

2.) After extracting the zip file, install **xampp** using the executable file (Install Xampp in the **'C:**' directory).

3.) Now copy the **impact.php** file to **C:\xampp\htdocs** folder.

4.) **General Connections:**

a.) Connect the Circuit shown in circuit\_diagram.png and connect it to the laptop.

b.) If you are using Skylab GPS module, for more assistance follow the YouTube Link : <https://youtu.be/Vw2fA2zpTm4>

c.) If you are using any other GPS module, please google it for finding its connections.

d.) Upload the **collision\_fsr** Arduino Code into the Arduino Nano board. You can use any other Arduino board which has equivalent or greater compatibility than Arduino Nano.

e.) For knowing the Arduino IDE installation, Go to: <https://www.arduino.cc/en/Guide/ArduinoUno>

f.) For uploading code into Arduino Nano, Go to: <https://www.arduino.cc/en/Guide/ArduinoNano>

g.) If you are using any other board, please google the procedure for uploading the code to it.

h.) Open Device Manager and note the assigned COM ports which has to be changed in the **data\_upload.py** python code.

5.) **Xampp:**

a.) Now open **Xampp Control Panel** and click **start** corresponding to **Apache** and **MySQL**.

b.) Open your preferred browser and type **localhost** in the search box.

c.) Click **phpMyAdmin** and for creating a new table follow the below procedure:

i) Click **new** for new database and name the database **accident\_inf** and click create.

ii) Now table has to be created, Name of the table: **severity\_data** and no. of columns: **6**

iii) Name the table entries with the same name, type and order as shown in **table\_order.png** image file and click save.

d.) For accessing the webpage click http://localhost/impact.php in the search box of your browser.

5.) Open **data\_upload.py** python file and change the previously noted COM port numbers at the required places.

6.) Run **data\_upload.py** python file and refresh the http://localhost/impact.php to see the data getting uploaded.

7.) For more information on the working, go to the YouTube Link: https://youtu.be/mQr68dIJD-U