**TE MINI PROJECT**

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“**WOMEN SAFETY ALERT DEVICE USING ARDUINO**”

**Steps of Project Execution:**

* Our Arduino is the main functioning part of the proposed system. GSM, GPS & Push Button are all connected with the Arduino.
* GSM receives a 12V, 2A power supply (Adapter) that provides the message delivering feature with a help of 2G/3G/4G sim card inserted into it.
* GPS receives a 5V power supply through Arduino 5V pin that provides the location monitoring feature and with it’s help, location coordinates could be obtained and in the form of Google Map’s location URL.
* The whole system acts on a button press. Once the push button is pressed, location coordinates is recorded in the Arduino and finally a HELP message with those coordinates is sent to the registered mobile numbers.

**Software Used:**

* Proteus Professional for Project Simulation
* Arduino IDE for uploading code’
* Fritzing for circuit diagram

**Flowchart:**

