**SOFTWARE REQUIREMENTS**

* **Arduino IDE –** For writing, compiling, and uploading the code to the Arduino board.
* **Embedded C / C++ –** Programming language used for Arduino development.
* **Serial Monitor / Plotter –** For monitoring sensor values and debugging the system.
* **Libraries:**
* Tiny GPS++ – For handling GPS module data.
* Software Serial – For serial communication with GSM and GPS modules.
* Liquid Crystal – For interfacing with the LCD display.

**HARDWARE REQUIREMENTS**

* Operating system: Windows
* Processor: intel i5
* Ram: 8 GB
* Hard disk: 250GB
* Arduino
* MEMS Sensor
* GPS, GSM
* Node MCU
* LCD, Buzzer