# 1. High level Requirement:

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| ID | Description |
| HL-01 | Supply voltage for Arduino (5V) |
| HL-02 | Output Format: Serial Data |
| Hl-03 | Use serial Communication pins available |
| HL-04 | Digital pins for communication(configure) |
| HL-05 | Sensing unit wire length is 2 meters. |
| HL-06 | Inbuilt supply for sensor in case of standalone unit |
| HL-07 | Memory to store the data |
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# 2. Low level Requirement:

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| ID | Description |
| LL-01 | Supply voltage for Arduino between +7v to +16v and Blood pressure sensor requires +5v, 200mA regulated supply |
| LL-02 | Serial data at 9600 baud rate (8 bits’ data, No parity, 1 stop bits).  Outputs three parameters in ASCII.   * Systolic * Diastolic * Pulse |
| LL-03 | Serial pins(digital pin 0 & digital pin 1) (Rx & TX) of Arduino must be connected the TX &Rx pins of blood Pressure sensor. |
| LL-04 | Configure the Digital pins(2 to 13) of Arduino to use Rx & Tx |
| LL-05 | Sensing unit wire length is 2 meters with serial data converter. |
| LL-06 | Use a battery of +5v output. |
| LL-07 | Memory should be able to store values of 60 trails. |