



Overview of All Possible Conditions
Condition 1.1 ==> [Sensor system started/Initialized ADC]
Condition 1.2 ==> [Sanesor looks for the reading]
Condition 2.0 ==> [ADC driver is used to convert analog to digital]
Condition 2.1 ==> [Value of digital is calculated is shown on control board]
Condition 2.2 ==> [Value within the safe range]
Condition 2.3 ==> [Value outside of the safe range]
Condition 2.4 ==> [Control board sends an LED signal]

Overview of All Possible States
State 000 ==> [Sensor and initialization and setup, broadcasting ID over UART]
State 001 ==> [Sensor taking seeing all the reading]
State 002 ==> [Conversion to analog from digital via ADC]
State 003 ==> [Value calculated and sent to the board controlling]
State 004 ==> [Power Green LED on and print SAFE on control board]
State 005 ==> [Power Red LED on and print DANGER on control board]
State 006 ==> [Reading is not fully ok → warning zone and yellow LED]

