📈 Calibration Table

Sample	Sensor Reading	Voltage (V)	Wet Weight (g)	Dry Weight (g)	Moisture (%)
1	810	3.97V	220	200	10.00%
2	630	3.09V	180	170	5.88%
3	410	2.01V	160	155	3.23%

Note that :

Soil moisture % $\frac{W_{wet}-W_{dry}}{W_{dry}} \times 100$, in which :

- W_{wet} - the weight of the wet soil
- W_{dry} - the weight of the dry soil

The relationship between the **sensor reading (0-1023)** and **voltage (0-5V)**. Given that the sensor reading ranges from **0 to 1023**, the voltage (V) can be calculated as:

- Voltage = $\frac{Sensor\ reading}{1023} \times 5V$