The soil moisture sensor consists of two probes that measure the volume of neath in the soil. The two probes allow the electric current to pass through the sail and awarding to its resistance, measures the moisture level of the soil when there is more water, the soil conducts more electricity, which means that the resistance will be less. So the moisture level will be higher. Dry soil reduces conductivity. So, when there is less neater, the soil conducts less electricity, we hich means it has more resistance.

So the moisture level will be lower in the soil.

Teacher's Signature

nrI°	
PU	
C	Page No18
9	nterfacing Soil Moisture Sensor and Orduino
Q	madecagan
	aue Share Soil Moisture Sensor
	has a detection length of 38 mm and a
u	porking voltage of 2V-5V. It was a fork like
0	lesign, which makes it easy to insert into
t	he soil. The analog output voltage boosts
a	long with the soil moisture level increases
H	vidware leguirement
30	il Moisture Sensor
1	Irduino Uno
J	amper wires
2	ED.
	2 V A- L
M	ing mis sensor is quite easy. You connect
th	e AO pin to any analog pin. 9/ your
s	ensor has a DO pin, you can connect it to
-	any digital pin
	Soil moisture is less, then a LED should
ge	ow.
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Topic	Page No
	Code
n.	Write a program for disigning a system using arduino to moviles soil moisture of a plant
	arduino to movitor soil moisture of a plant
	on an IDE.
	int sensor Pin = AO;
	int sensor Value;
	int limit = 300;
	noid setup 1) I
	Social basis (aspen).
	pinmede (1,3,0UTPUT);
	3
	noid loop () {
	sensor Value = analog Read (Sensor Pin);
	Serial · printly (* analog Value :),
	Serial · printly (Sensor Value);
	if (sensor Value < linit) ?
	digital Write (13, 41614);
	3 "
	else L
	else f digital Write (13, LOW); g delay (1000);
	3°
	delay (1000);
	j
	Teacher's Signature