l to	Assignment No. 6. 27
	Title: Understanding connectivity of Aaspberry-Pi board circuit with temperature sensor.
	Write an application to sead environment.
	Write an application to sead environment temperature. It temperature crosses a threshold value, the application is indicated using LEDs.
	value, the application is indicated using LEDs.
	Pim/Objectives:
	- to understand concept of lemperature-number
	· To interface temperature humidity sensor with
	. To program Rapperry pi model to measure
	rapperty program Rapperty pi model to measure temperature of humidity.
	30Hwaze:
	Rappoign OSC IDLE)/Tinkercod
	Hardware Module:
	· Rapperatuse - humidity sensor module
	· Temperature - humidity sensor module
	· Monitor
	Theory
	Theory: Physical quantities like temperature, humiding pressure et ox monitored to get information about environmental conditions. Temperature is the amount of heat present
	pressure etc. One monitored to get information
	about environmental conditions.
	· Temperature 13 the appearing of the property of
	and was marked in air. The temperature 4 amount
	of industries. The presence
_	in environment Humidity is presence of coater vapors in air. The temperature 4 amount of water processes in industries. The presence of coater vapor also influences various physical

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	chemical 4 blologial processes.
	- To our module use ox voing "DHT!)
	temperature 1 humidity sensor" The teliability
	1 excellent - long term stability.
	This somer has a seighte-box humidity
	measurement component in the resistivity
	of semiconductor material changes as per
	humidity in environment changes.
	chemical of blologial processes. The our module we ase voing "DHT!! temperature of humidity sensor." The teliability a excellent - long term stability. This sonsor has a tesishe-type humidity measurement component in the resistivity of semiconductor material changes as per humidity in environment changes. This sonsor also includes NTC tempera hum measurement component which detects charge
	measurement component which detects change
	in temperature.
	. DHTII basically provides too outpots from
	· DHTII basically provides two outpots from single data pin semiconductor material.
	· Connect power pin of Temperature sensor to
	· Connect power pin of Temperative sensor to
	SV pin of Ardvin's uno x3.
	sensor to A2 pin of Ardvino uno ra
	gensor to A2 pin of Ardvino uno 13
	sensor to and pin of Arduino uno r3
	sensor to UNID pin of Arduing upp 13.
	· Connect Cothode pin of LEDS RGB to
	TIND DID ME MINUIND OND 13.
	· Connect green pin of LEDS ROB to 13 pin
	of Ardving uno 3
	· Connect positive terminal pin of pieza b
	· Connect positive terminal pin of piezo to GND of Ardvino uno 23.
	· Connect negative terminal pin of piezo to
	12 pin of Ardising upo 13
	SCIT ZONI TANÀ ON THE ME AND
	and the passing the interior of the second o
-	T-108 F-200 S-201

Observation: Observe ON 4 OFF status of the LEDS RGB 4 generale using lone. Conclusion:
We successfully learnt about connectivity of Ruspherry Pi board circuit with temperature sensor and also sead environment temperature. It temperature crosses a threshold value, application is indicated using LEDs.