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	Aim: Design a system to moasure distance betweenobjects
	Hardware Roquired: Ardwine UNO, HC-SROY
	The state of the s
	Circuit Diagram:
	ancer program:
	VCC DIS 014 013
	012
	ARDUINO DIO
	1 HRUO(NO 09 09 08 07 07 07 07 07 07 07 07 07 07 07 07 07
	D6
	AS DS S
	A3 09 A2 01
	AO DO
	GND
	inde bright
	(MED) 1956
	Code:
	int trightin = 13; int echopin = 10;
	(n) t echor(i) = (0;
	1011 - 1-1-() {
the dealers	Void setup() { Serial begin (9600): prinMode (trigPrin, CUTPUT); prinMode (4, OUTPUT);
	being to this cutout).
	biomada (H. OUTPUT).
	lacimed a Computer POTO (2,00TPOT)
	printede (Echopin, INPUT); }
	printing a construction
	void loop() {
	Float duration distance;
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•	digitallunite (trigPin, Low)
	delay Microseconds (2)
	digitalConite (trigpin, HIGH).
	dolay Microseconds (10);
	digital Write (trig Pin, Loca);
	duration = pulse In (echoPio, HIGH);
n vy	distance = (dwration /2) * 0.0344;
	if (distance > = 200   distanco < =2)
	§ Serial-print ("Distance = ").
	Sorial-println("Out of range").
	digital write (2, HGH); 3
Jos I	digital write (4, LOW); 3
	else ?
	Sorial-printe ("Distance = ");
	sorial-printe (distance);
Ą	Serial-println ("cm");
	$dvay(5\infty)$ ;
	digitallunite (4, HGH).
	digitalurite (2, Low), 3
	dolay (500); ?
	ol = information :
	Output: lesign a system to measure the distance between
	objects using altravante device.
	Control of the second of the s
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