	Date
Expt. No	Page No
	USN: 18MIRCS103
PROGRAM: 8	•
PROGRAM TITLE: OBJECT DISTANCE	MEASUREMENT
Am. Design a system to measure the	distance between objects.
Handware Required:	
· Arduino	
· Ultrasonic Distance Sensor	
CODE:	
int toighin =4;	46
int echoPin = 2;	
long distance, cm, inches;	
maid cetup()	
h	,
Serial begin (9600);	
Din Mode (triglin, OUTPUT):	
pinMode(trigPin, OUTPUT); pinMode(echoPin, INPUT);	
7	
noid loop()	
1	
disitally gite (triplin, LOW).	
digital Write (triglin, LOW); delay Microse concle (5);	
divitallyhite (triclin +1164)	
delauNica reeconds (10):	
digitallurite (triglin , HIGH);  delay Microseconds (10);  digital pluite (triglin, Low);	
myemper ( )	,
Tec	acher's Signature :

Date	
pt. No	Page No.
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diviation = pulse Intecholin, High)	
em = (dueration/2)/29.1;	
inches = (duration/2)/74;	
o in a full xindo and ").	,
Serial print (Einches);  Serial print ("inches,");  Serial print ("mches,");  Serial print (": cms");  delay(250);	
Serial print (" inches, ");	
Serial print (cm);	
Serial print (": cme ");	
delay (250);	
}	
	·
Teacher's Sign	ature :

## CIRCUIT DIAGRAM:

