		cole	Class: TE-IT	Div.:_A_ Roll No.:_12_			
	Subject :_SL	Tople :	Page No.: _1.	Date : _4/3/24			
Assignment-1							
1.	Apply the A		serial in Potentia ino Serial Monit	meter to point			
$\rightarrow$	void setupli	)	Transfer to the	1.3.74			
	Vinitialize Serial begir	serial comm	unication at 960	10 bits pur sec			
1.52.75		- Harrison and the second	<u> </u>	CI P BI			
	// loop rout	in runs our	er and over again	n forever.			
	void loop (	) {	not no pin O:				
	// read the	input on a	linglead (NO);	71.10			
	1/ mint out	the value y	ou read:	alshes			
	Social pains	In (seniorVal	ue)	3607			
	delay (1)	11 delay in	einveen rioids	you stability			
	Y		with Kenedition	0 1			
			Manda + 4	1			
2. Ar	ply the LET	D Blink exan	sple in Ardinina	IDE.			
- Y	sid setup ()		Charles Control of				
11 1							
0	reportational pins	gode (LEP_B	ULLETIN, OUTPUT)	);			
2		UII 1/2 1 100	a Charles and a chira				
1	d loop ()		THE HERE SEE	197			
1	-	The back of the last	and a subset of	15 (17 N)			
1	1) of 101010 (1	ED_BULLETIN	HIGH);	not the state of			
1	griat water ce	VP_GULLIAN,					
- a	lay (1000);		11				
1 ou	greativisité (1	ED_BULLETIN	, LOW);				
I de	lay (1000)	real and old true	1				
4	0	18 11	und classely	<u> </u>			
1			es ru, hout J'				

3. Identify the components required to take readings specify the Acalino IPE social Monitor Ardiuno uno, DHT11 Jamperature/Humidity, Jumper Wisus, Bread boards, Cable (USB'20 #include < dht h # define dht apin AO // Analog Pin sensor is connected to dht BHT void setup () Serial- begin (9600); delay (500); Polay to let system boot Serial print in ("pytts2 Humidity & temperature serves Inln") delay (1000): //wait before accessing Senson 3 / end "serye" noid loop () { 1 Start of Program DHT. read! (att-apin Selial printer (" current humidity Serial printly (" DHT humidity =11 Saial print ("/") Scrial print ("tempulature ="); Serial print ("C"); delay (5000) I wait 5 seconds byoke accessing sinior again // Fastest should be once every two seconds

	Name :		7F	N- non No K
	Subject :	Tople :	Class: Page No.:	Div.: Rall No.:
4	I dentity to	e components	required you	ultrasonic
	heed the	on ultravossic	ments:	an Adicino, your
	Asduno boa	rd (eg. sedii	no uno sedue	no Nono, etc.) HC-8RO4).
	Ultraionic.	sensor modul	le (commonly	HC-SRO47
	Jumpes wire	C. Carol but	roummend	d has probyping
	one use b	are these con	uponents, here	d pox problyping
(i)	connect them	: which and the	A second	
	consoct the	vec oth a the	utrasonic	sinior modul
	connect the	CAND by Gal	ded wine	sensor module
1 0	TO THE CAND	pin on the o	the uetraso	unic sensor
	nodule to	and digital	the uetraso	Ardvino
	(ea pin7).	0	dissipanti	1 212.
// Co	nneet the	Echo pin of t	he ultrasoni	no (eg. pin 6).
/_A	any digi	that pin or	the seduin	no (eg. pin 6).
<del>                                </del>	you've usir	ig a bread	board, use	jumper wires
eto	to marke t	hi connectio	ns between	the compone
		a directly o	connect then	a using
jun	rper wires			CALCOLO C
- //	ELEGICA TIA	V 10 9 ME		
			2.15.1 and	IEEE 802 15:4.
JIEEE 8	32.11 -WI	AN Wifi	<u> </u>	H-1119
			so known o	wifi) is a
set	of low fres	3 terrestic	al network	s technologie
for de	dra comm	unica Hono	. The WA	N standald
10,000	alanda'	J. C. S. C.	2 2/-0	v9

operates on the 2.4(Hz and 54Hz Industrial, Sidence and Medical (ISM) frequency bands. It is specified by the IEEE 802.11 standard and it comes in man different variations like IEEE 802.11 oftg of 6/g/n. The application of winn has not been most visible in some consumer market where most poetable computers support at least one of the variations.

IEEE 802.15.1 - Bluebooth: The IEEE 802.15.1 standard is the basis jos the Bluebooth wireben communicable technology. Bluebooth is a low tiel, ad hoc, terrestrial hireless standard jog short range communication. The technology operates with three different classes of devices: class I, class 2, class 3 where the range about 100 meters, 10 meters and I meter respectively wireless LAN operates in the same 2-4GHz frequence band as Bluebooth, but the two technologies use different signaling methods which should preventionally interference.

JEEF 802.15.4-ZigBee: ZigBee & a low ties, ad hoe terustical, whelers standard in some ways similar to Bluetooth. The HEEL 802.16.4 standard is commonly known as zigBee, but ZigBee has some yeatures in addition to 802.16.4. It operates in the 81 9151742, and 2.4(492 1817 Bands

Standard Ad hoc Infrastructured

802.11a/b/g/n Yes Yes

802.15-1 Yes Yes

802.15-9 Yes Yes