Expt. No.: 0 Page No.: 1 Date: 68/10/21 Embedded application Development using Anduino on LED using orduine line R3 Algorithm: step 2: - connecting power supply with valid Source. step 3: - living C++ initiate the respective your using void detre () perogram wing pin Mode function Step 4: - living LED_BUILT IN Augument the output pin. exactly deviced using fun mode method Step 5: - living loop method the total time for glowing the LED is fixed using delay method and digital wrete method.

Expt. No.: 2 Page No.: 05 Date: 22/10/21) TOT application development using altra Source Services to find the distance between obstacles and Services To develop our IOT application serving ultra Source densor to find the distance between Obstacles and Densor. Hlgorithm: Step 1:- Open and write lode and upload all Code to suive controller [anduino UNOR3) Step 2:- lettera Sonic Deusos coutain 4 pens generally 2 piùs are Common. They are

(+) and (-) here (+) is vec and (-) is end più ">

Step 3: Connect "Ping" piùs to digital più ">

and Connect "Echo" più to digital più ">

Step 4: finally, powerup orduino UNOR3 and open servial montor on computer and read Sensors data. Program: Const unt pingpin = 7;

pt. No.: 3 Page No.: TOT application development using Andreino to rotate servo motor in all posible directions. To write au IOT application development to notate a slevue motor using audurne uno. Algorithm:
Step 1:- Start.

Step 2:- Connecting power Dupply with the valid step 3: Curing et t initiative the respective dervo - 9 by using Void Delip () Method step 4: Program wing Dervo - 9 feetien step 5: Living Dervo - 9 attach () argument the output pin exactly deviced using method. Sketch! # inchiele & seewo. h> ent pos=0; Servo Servo : 9;

pt. No.: 4 Page No.: 15 te: 6 / 12/21) IDT Applications development using temperature Sensor to read temperature. To work with an TOT (acduing UND R3) temperature sersor. Algorithm: Step 1: Open arduino IDE and write that
following Code and upload to arduino
UNO R3. First place the LM35 anywhere
horizontally. step 2:- On your beadboard the floatside of the Step 3:- Then connect three wires under the three prins of the Senson. Step 4: - The wire on the left will go to the SV C+5 volts) on the archino. steps: The middle wire will go to AI

(anolog pin) step 6: The wine on the night will go to GND (-) on the audering. step 7:- power up that arduing and open devial montos and read data from temporaline

pt. No.: 5 Page No.: 13 te: 20/12/21 Implement assembly and Enterfacing prooprains to blink an LFD using embedded c. To cinplement assembly and interfacing perograms to blink an LED using embedded c. Algorithm: step 1: starct step 2: connecting power supply with a valid source. step 3: hing embedded c, include the respective header Step 4: living while loop slet the part bit as 5 cesing DDR step 5: lising delay method, delay methol function for 500 step 6: perform exclusive or operation for the dame function PORTB4 = ~ (IKCPBS); step 7: Repeat the delay method for soo milliseconds Program: # include Low 110. h> # include & cutil delay.h>
int main (void)

while (1)