MBed lab Embedded System - Computer processor Computer momory 1/0 perpheral Jarices conjunct Application: industrial automotivo have officies modical felecommunications commercial mulitary (1768) MBed Board Specification: Cortex-M3 sunry of 32 6+ ARM 96M/Z 32 & B RAM 812 &B Flash ( Coulton pone) builtin etterd, USB Nost and Devio AD( CAM OA (

PWM

12C

5/0 interfaces

0

40 pins [p-5 p-30] for usl [b-15-b-20] Ardog IN (b-18) Analog out (p-21 - b-26) from Out Lab 2! [b-5-b-20, b-21-b-30] Digstal fins. (wait m) bin file is generated 9 led (CED) LEDS LEO3 LEOY Distal Out Inlafare? (1763) (p-5- p-30) 26 pins con de used es dystal enfort/outful

7 BUSOUS Interfore to supto 16 pins in a Bus

any numbered pins (pol - 6-30) Interruft In Interpret (forger an event When Lab 37 Lightal pen follig obje (0->1) Jange) Ticker Object! Jos oventring object to repeatedly

(all a function at a specified rate

(all a function at a specified rate

)

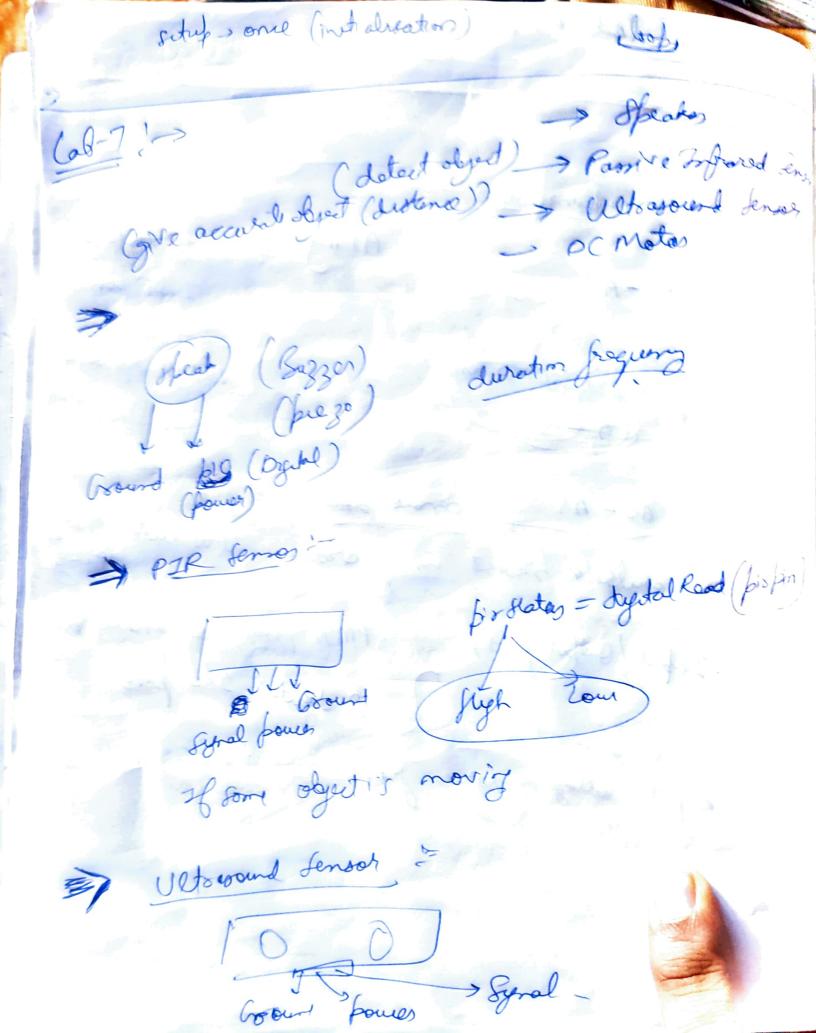
To not to Timeout' all often a specified delay attach and dellach -s Lloreng 2n Gln (65) Str. fall (8 chargs)

Timeout to; Floker th; to attach (8chage, 2-0) (tt: atlach (8 day, 2.0) AnalogIn sound an external voltage applied to late laby! an aralog Input pin. value is a flooting frient (0.0 to 1.0) RE Svageten, applied voltage 2.5 V Andopen read oil.

Andopen read oil.

Andopen read on External voltage offlied to analog in fraction of Systems voltage 10-15-px phon (pulse with modulate) =) strolog Out [ andy potentionates of Analy In b(b 5) p-read ():

prinwort led (65)/ dedune Uno At mga 328 Microcontroles ICSP pen A0 - A Goylal Oscitation Voltage Ryulator SND AO-AT Ander bins Guytal anitator present in Arduero Uno with 16M/z 28 Input Output firs; I 6 PMW puro, 6 analog puro g digutal 2/0 ping Input voltage varies from 7v to 20v



> push leutton Speaker fispin = 7 strikered bin Mode ( pize pin, OUT pur) dystal Waite (pgpin, LOW) delay Miscognord (2) ⇒ pc mole dyde Work (pypin, him) > light built >pinMode (bjobn, 2NPUT) J +MP > duralen pulse In (bigPin, MICH) s Ambian Tirely = micron To meles (during) cm = microsition to Continut (duration) \_s toylood - Fitt a DC Modo E Como

halilion feifations. - lines ferding system 400 MHZ. 2 56ML of ODR3 RAM -> 8 mb Flash. >0 tetal 6 anolos ( ) (2) togstal) Intel Pentium procesos 1 con 32 but >7 V-15 V

a) Cylt Buth . " GND > has lensor and and AD probert light knows is Force Senton. SVOLT CMP

dadas > 6 pin 16 pcm Somo ! halilies faifations. - linux operating system > 400 MHZ ->- 256M6 of ODR3 RAM 20 tetal > 8 mb Flash. o 12) bytal > 1 core 32 but Intel Gentium fracesos >7 V-16 V