IoT Session 1

July 16, 2020

Objective

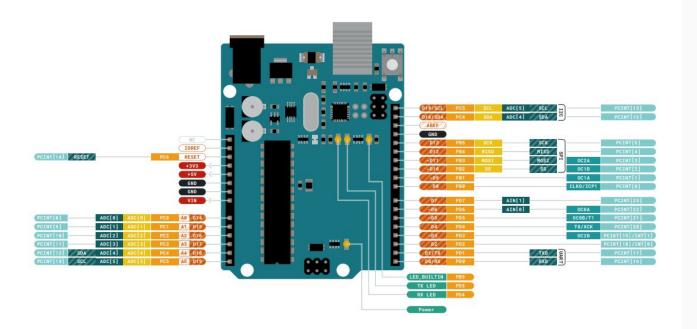
- Basics of Arduino Uno.
- Arduino IDE.
- Hands-on using TinkerCad.

Arduino Uno

AVR® 8-Bit Microcontroller Family









Last update: 17/66/2020

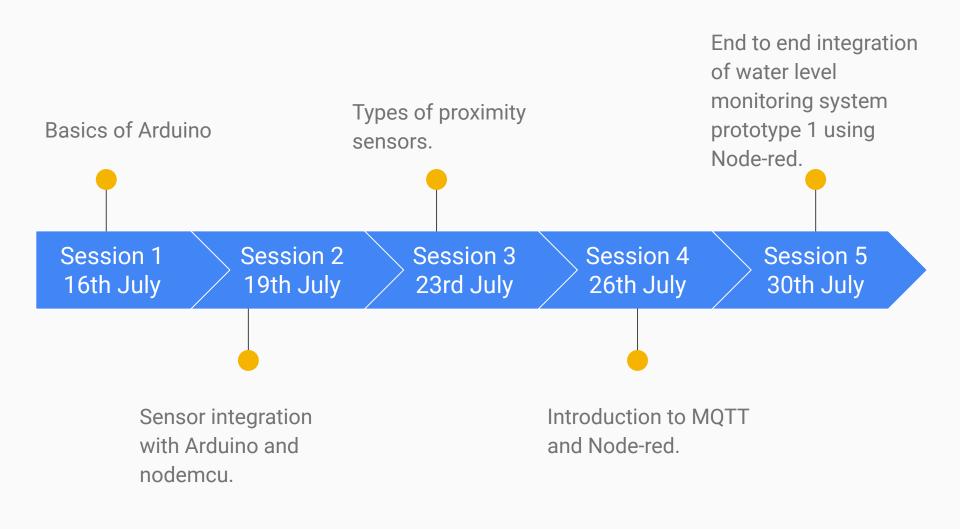
Ly SA

The work is learned under the Creative Continue Antition of the Continue Continue Antition of the Continue Continue at many of this learner, local http://creative.commiss.com.

Specifications

- Microcontroller ATmega328P
- Digital I/O Pins 14 (of which 6 provide PWM output)
- Analog Input Pins 6
- Flash Memory 32 KB (ATmega328P) of which 0.5 KB used by bootloader
- SRAM 2 KB (ATmega328P)
- Clock Speed 16 MHz

Hands-on



Task

Make a 3 bit counter with a delay of 500ms in between the count.

Use 3 separate LEDs.

Simulation tool - TinkerCad.

Description:

At 000; LED1 Low LED2 Low LED3 Low

At 001; LED1 Low LED2 Low LED3 HIGH

At 010; LED1 Low LED2 HIGH LED3 Low

• • •

At 111; LED1 HIGH LED2 HIGH LED3 HIGH

Feedback toh mangta hai!

https://forms.gle/4Zg1tMsvoofirtB69

El Fin!