**TOGGLE 2 LED’S USING PUSH BUTTON**

**ABSTRACT –** we consider the atmega328 for toggling the 2 LED’s by using push button. In this, we will toggle the status of the two LED’s according to the input from a button switch. Every time when the controller receives input from the switch, it will toggle the current status of the two LED’s.

**ATMEGA328:** The ATMEGA328 is a popular microcontroller due to it being a major component in the Arduino board products. The ATMEGA328 is the 8-bit RISC heart of the Arduino Uno and Nano, with maximum clock frequency of 20MHz, 32KB program FLASH, and 2KB of RAM. Most Arduino boards consist of an Atmel 8-bit AVR microcontroller with varying amounts of flash memory, pins and features.

**PUSH-BUTTON:**

The push button switch is usually used to turn on and off the control circuit, and it is a kind of control switch appliance that is widely used. It is a kind of control switch appliance that is widely used. It is used in electrical automatic control circuits to manually send control signals to control contactors, relays, electromagnetic starters etc**.** The push button switch can complete basic controls such as start, stop, forward, reverse rotation, speed change and interlock.