ABSTRACT

OBJECTIVE:

The main objective of this project is to analyse the blinking of two LED's using ATMEGA328 microcontroller.

INTRODUCTION:

To blink two LED's using push button the main element here is ATMEGA328. In this, we will analyze 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 blink the current status of the LED's.

ATMEGA328 is a popular microcontroller due to it being a major component in the Arduino board projects. The ATMEGA328 is the 8-bit RISC heart of the Arduino UNO and Nano, with maximum clockfrequency of 20MHz, 32KB program FLASH, and 2KB of RAM.

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. the push button switch can complete basic controls such as start, stop, forward, reverse rotation, speed change and interlock.

WORKING:

- First, we will connect the 2 LED's to the ATmega328 microcontroller.
- Then, we will make the 2 LED's to blink with an interval of 1 second.
- It means, initially the 1st LED alone will glow and on the next second, it will turn off and the 2nd one will glow.
- This process continues forever and in this way LEDs blinks continuously.