

# BLDC MOTOR SPEED CONTROLLER

## ABSTRACT

A brushless DC electric motor (BLDC motor or BL motor), also known as an electronically commutated motor (ECM or EC motor) or synchronous DC motor, is a synchronous motor using a direct current (DC) electric power supply. In this project, control the BLDC motor in arduino uno. It's speed can be controlled using potentiometer and motor driver. The arduino receives output of the potentiometer and then gives the input in motor driver .The motor driver receives the input and starts operation. Motor speed increases or decreases when the position of the potentiometer is changed.

Brushless motors fulfill many functions originally performed by brushed DC motors, particularly devices such as computer hard drives and CD/DVD players. Small cooling fans in electronic equipment are powered exclusively by brushless motors brushless motors have come to dominate many applications.

## BLOCK DIAGRAM

