



Project Report

April 24, 2022

PREPARED BY:
Milind Mahesh Gavade

Servo Motor Control Using Potentiometer

Contents

3 Project Flow

4 Project Block
Diagram

5 Project Flowchart

6 Applications

Project Flow

Read input values from
Potentiometer



Convert the value using
ADC



Compare the converted
value



Use PWM for giving
output value

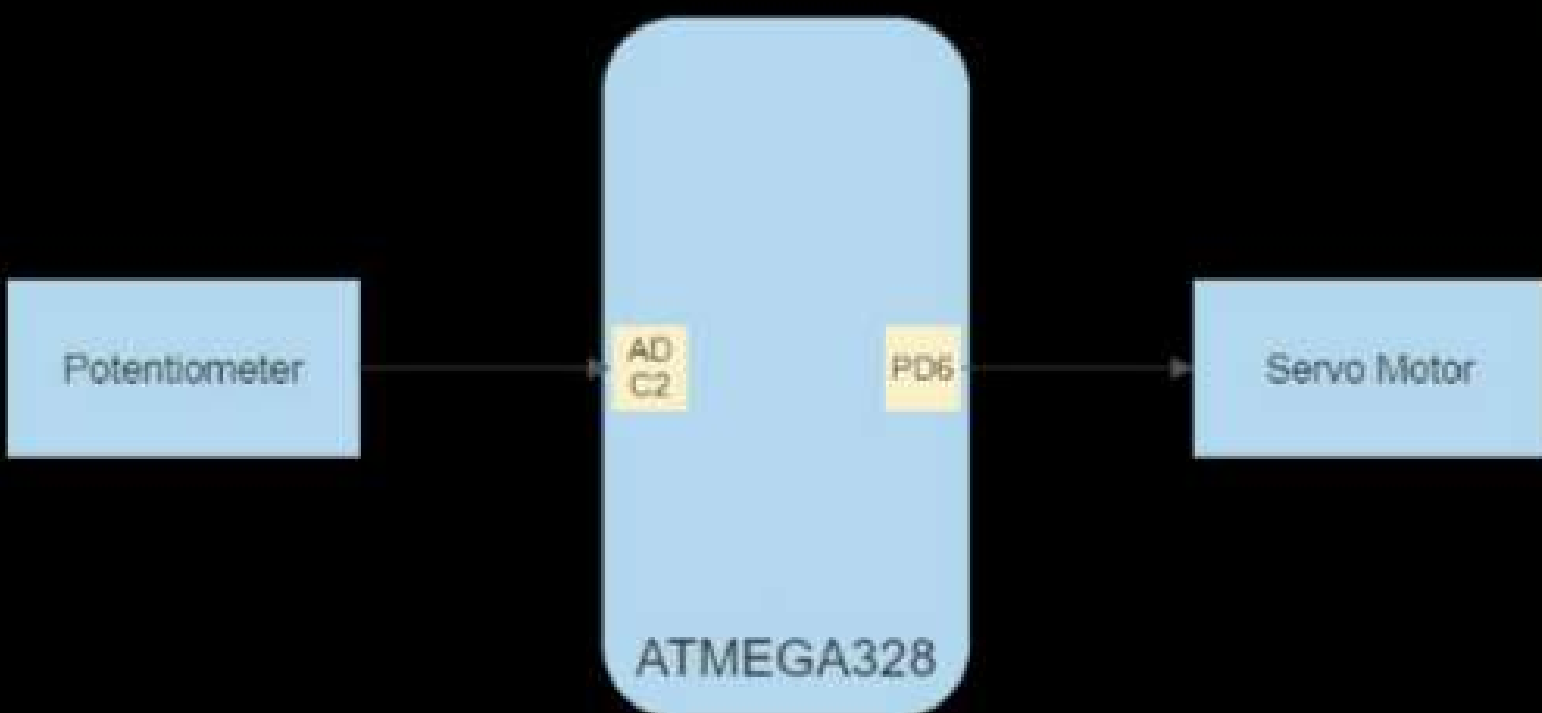


Give output value to the
Servo Motor

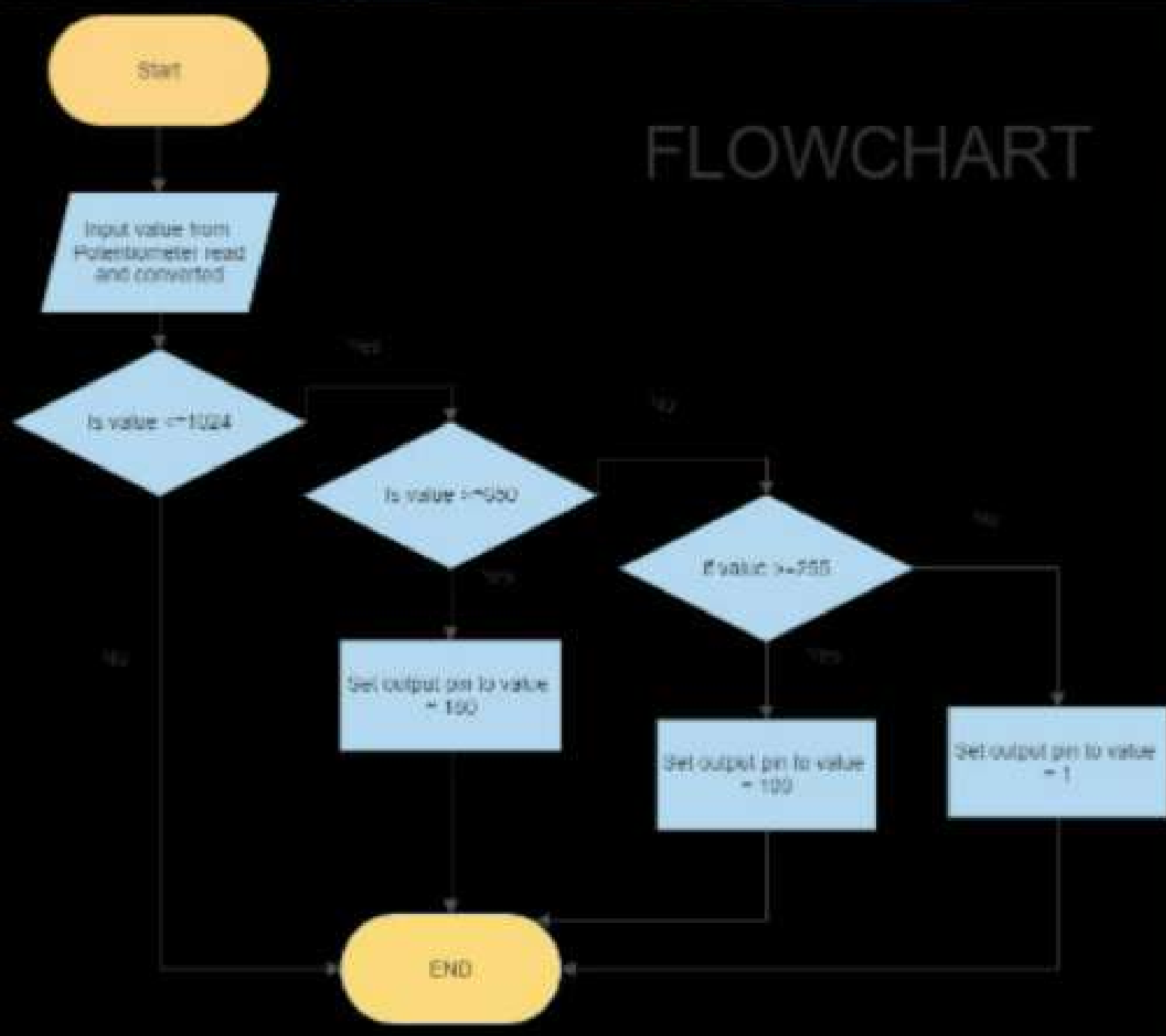


Project Block Diagram

BLOCK DIAGRAM



Project Flowchart



Applications

1. The same Concept is applied in controlling of a normal fan.
2. The whole project can be interfaced with the Display to show the angle of rotation of Servo motor by minute changes in the values of Potentiometer.
3. After the addition of a display it can be used in various prototypes or projects for functioning.
4. We can interface other sensors in place of Servo motor and can use same technique for multiple uses.