

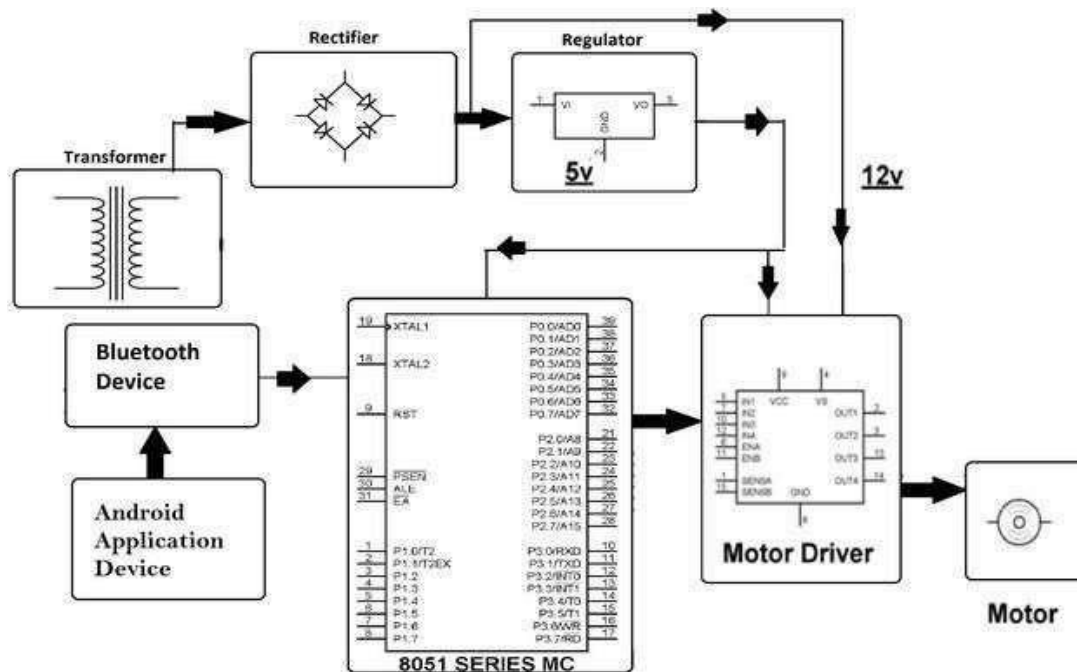
# BUILD MOBILE APP

## CONFIGURE THE MOBILE APP FOR CONTROLLING MOTOR USING BUTTONS

Team ID	PNT2022TMID30534
Project Name	Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

This system DC motor Controller by Android is developed to control the speed of the DC motor in both clockwise and anticlockwise direction. For this DC motor is interfaced to the 8051 micro controller. A Bluetooth modem is used to receive direction commands and PWM commands. When an Android device sends commands, it is received by the Bluetooth modem which then sends the commands to the microcontroller. The microcontroller controls the DC motor through motor driver. The entire system is powered by 12V transformer. LCD display is used to show the status and the speed of the DC motor. The android application is used to control the entire system. The start button is first clicked to start the motor and then the motor can run in both clockwise and anticlockwise direction.

Simultaneously the status of the system is displayed on the LCD screen and also the speed of the DC motor is displayed on the screen. Thus the speed of the motor can be increased or decreased in clockwise or anticlockwise direction with the help of this android application.



IBM App Development

Service Details - IBM Cloud

Node-RED : node-red-uaoaw-20

+

node-red-uaoaw-2022-11-16.eu-gb.mybluemix.net/red/#

Node-RED

Deploy

filter nodes

document translator

language identify

language translator util

natural language classifier

Natural Language Understanding

natural language understanding V1 model manager

speech to text

speech to text custom

Flow 1

ibm iot

turbidity

nodeless

PH

debug 1

get(sensor)

function

http

info

Search flows

Flows

Flow 1

Subflows

Global Configuration Nodes

Flow 1

Flow

"70b036e5c3d5cfc2"

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11/19/2022