BUILD MOBILE APP

CONFIGURE THE MOBILE APP FOR

CONTROLLING MOTOR USING BUTTONS

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Team ID	PNT2022TMID54363
Project Name	Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

The clockwise and counterclockwise speeds of the DC motor can be controlled using this Android system, called the DC motor Controller. The 8051 microcontroller is connected to this DC motor for this purpose. Direction and PWM commands are received using a Bluetooth modem. When an Android device delivers a command, the Bluetooth modem receives it and passes it on to the microcontroller. Through a motor driver, the microcontroller manages a DC motor. A 12V transformer powers the entire system. The status and speed of the DC motor are displayed on an LCD screen. The complete system is controlled using the android application. The motor can be started in either a clockwise or counterclockwise direction by first clicking the start button.
On the LCD screen, the state of the system and the speed of the DC motor are both shown simultaneously. Thus, with the aid of this Android application, the motor's speed can be changed in either a clockwise or an anticlockwise manner.