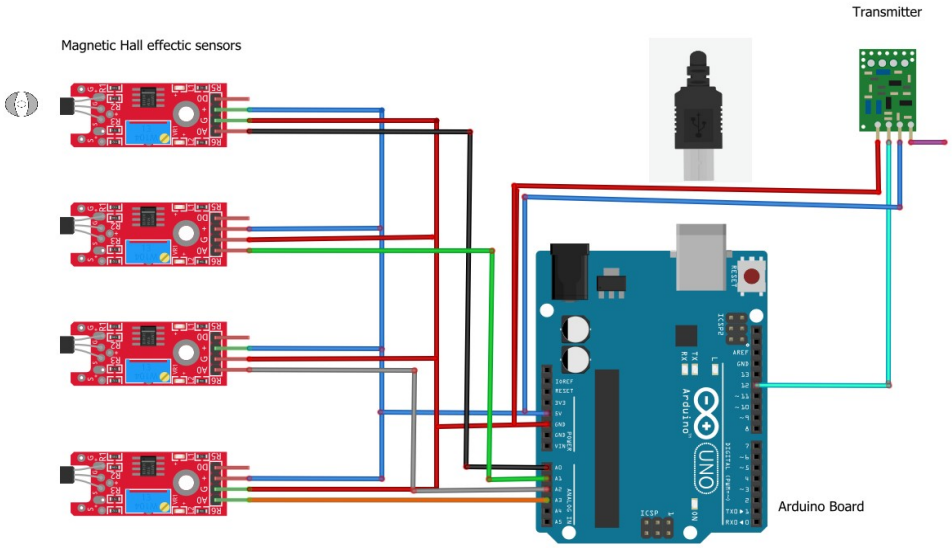
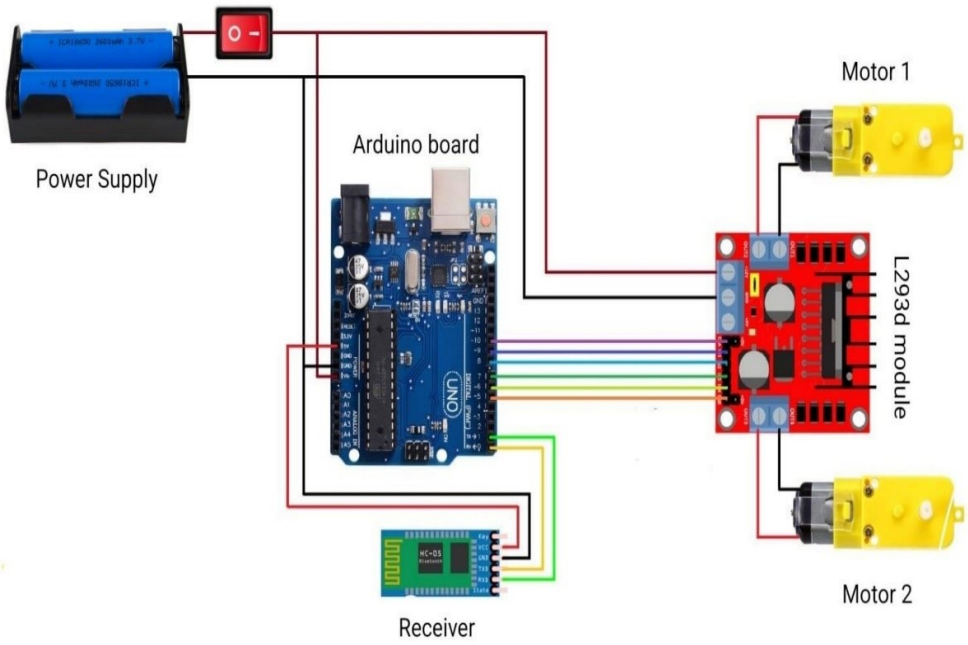
Schematic Diagram of Transmitter side:



Schematic Diagram of Receiver side: