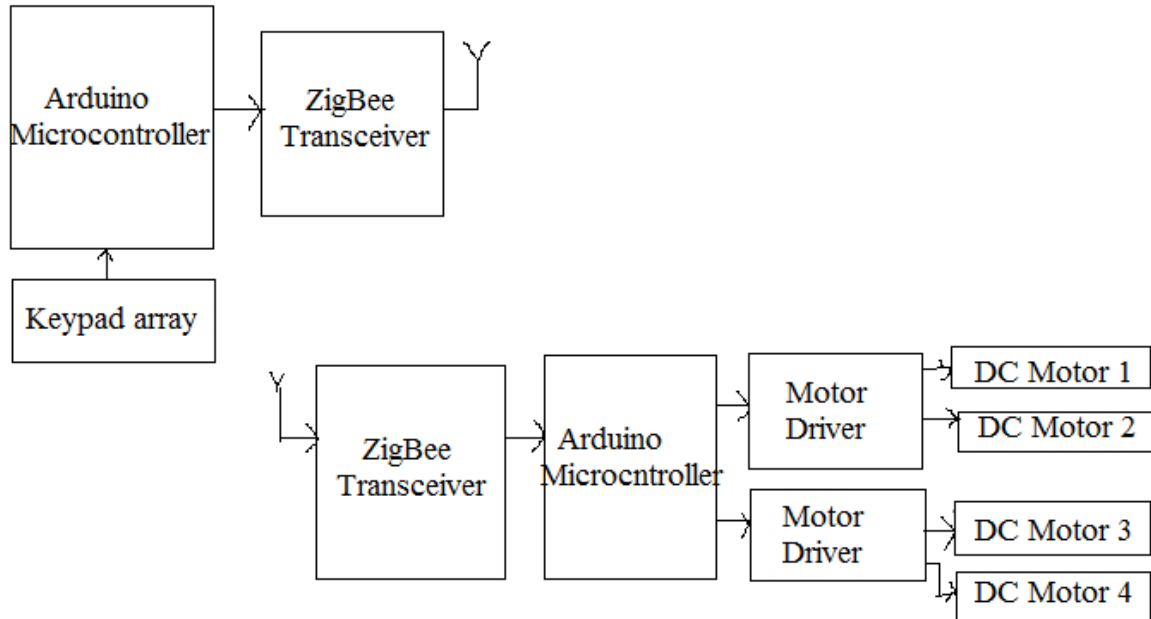## Abstract

Pick and Place robot is used for industrial automation. It is used to pick an object and place it in the desired location. It can be controlled by controlling the movement of its arm for pick and place. Wireless communication is used to control the robot. ZigBee is the protocol used.

## Block Diagram



A keypad array of pushbuttons is used to send the control signals to control the robot movements using ZigBee module. At the receiver side the Arduino microcontroller drives the motors used for robotic forward and backward motion and for the robotic arm movement.