

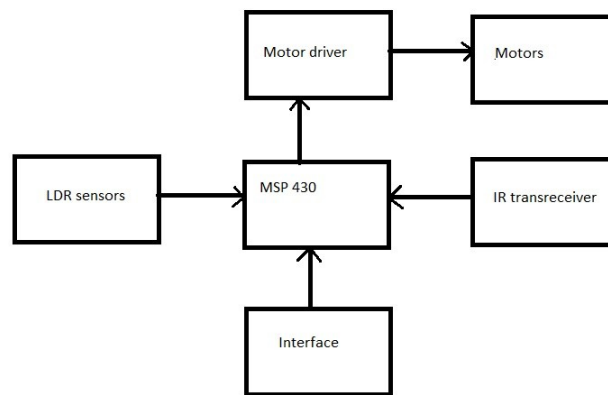
# OFFICE BOT

**Title:** Line follower(s) implemented on a dual-grid layout to move from multiple offices to send/receive small items.

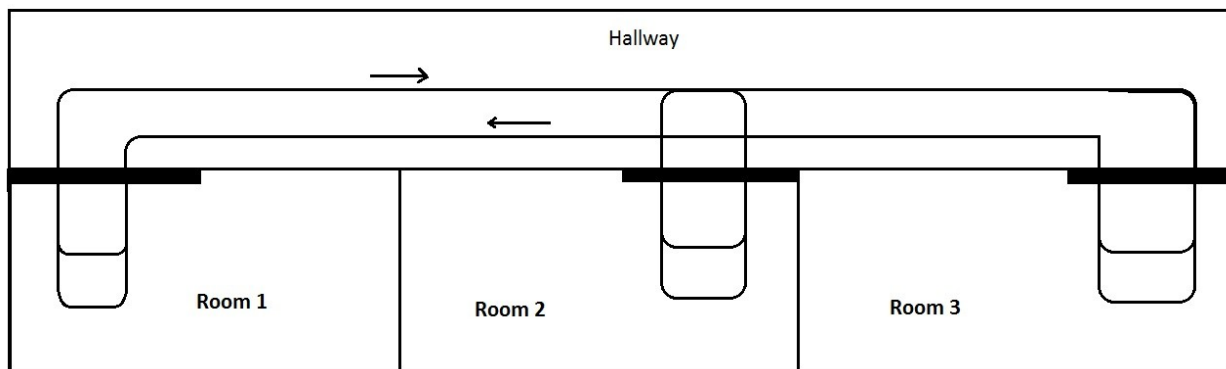
## Components:

- MSP430 launchpad
- LDRs
- IR trans receiver pair
- Motor driver IC L293D
- Motors
- Push buttons

## Block Diagram:



## Layout:



## Hardware Interfacing:

The LDR sensors detect the black lines on the white surface and they transmit signal to MSP 430 via i/o port.

The controller receives the signal and actuates the motor via motor driver IC. Through the interface implemented via push buttons, we decide the final destination of the bot.

The IR trans-receiver detects any foreign body in the bots way and stops the movement of the bot.