

A decorative graphic on the right side of the page. It features three concentric blue circles of varying sizes. Two thin blue lines originate from the top left and extend diagonally towards the circles. A larger blue circle is at the top right, a medium one is in the middle, and a large one is at the bottom right, partially cut off by the edge of the page.

SPIDY

A robot that can even climb walls

This project aims at designing and developing a robot that can easily walk on walls and ceilings which is equipped with a spy camera for real time video streaming. This robot can be controlled remotely using the latest RF technology.

Block Diagram
2/3/2017

TEAM

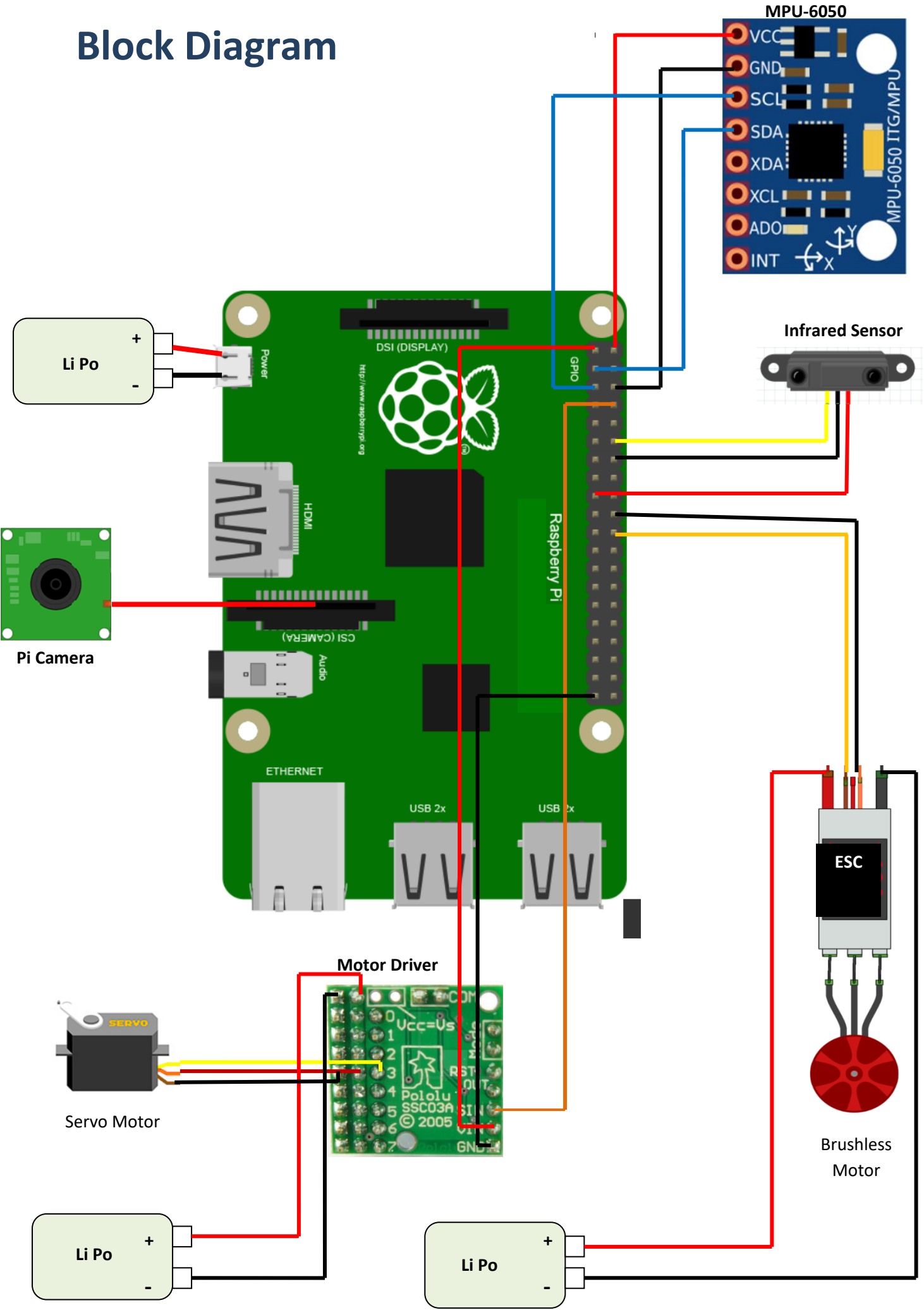
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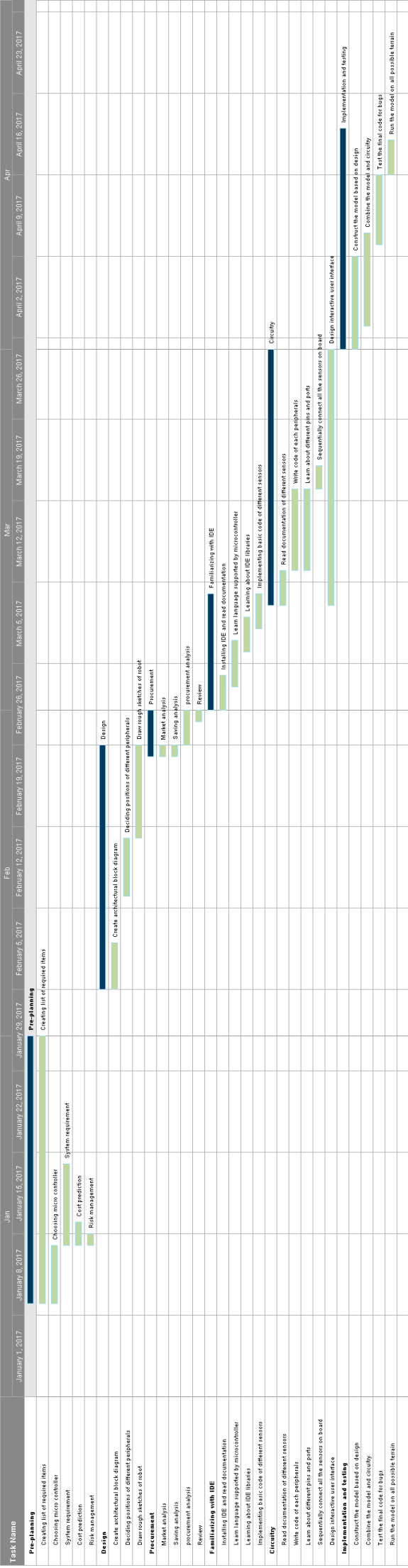
Block Diagram



Raspberry Pi 3 GPIO Header

Pin#	NAME		NAME	Pin#
01	3.3v DC Power		DC Power 5v	02
03	GPIO02 (SDA1 , I ² C)		DC Power 5v	04
05	GPIO03 (SCL1 , I ² C)		Ground	06
07	GPIO04 (GPIO_GCLK)		(TXD0) GPIO14	08
09	Ground		(RXD0) GPIO15	10
11	GPIO17 (GPIO_GEN0)		(GPIO_GEN1) GPIO18	12
13	GPIO27 (GPIO_GEN2)		Ground	14
15	GPIO22 (GPIO_GEN3)		(GPIO_GEN4) GPIO23	16
17	3.3v DC Power		(GPIO_GEN5) GPIO24	18
19	GPIO10 (SPI_MOSI)		Ground	20
21	GPIO09 (SPI_MISO)		(GPIO_GEN6) GPIO25	22
23	GPIO11 (SPI_CLK)		(SPI_CE0_N) GPIO08	24
25	Ground		(SPI_CE1_N) GPIO07	26
27	ID_SD (I ² C ID EEPROM)		(I ² C ID EEPROM) ID_SC	28
29	GPIO05		Ground	30
31	GPIO06		GPIO12	32
33	GPIO13		Ground	34
35	GPIO19		GPIO16	36
37	GPIO26		GPIO20	38
39	Ground		GPIO21	40

Gantt Diagram:



Work breakdown Structure (WBS Chart):

