

* Drone type - quadcopter → 'Yash'

JUNE
2023

THURSDAY

WEEK 26 • 180-185

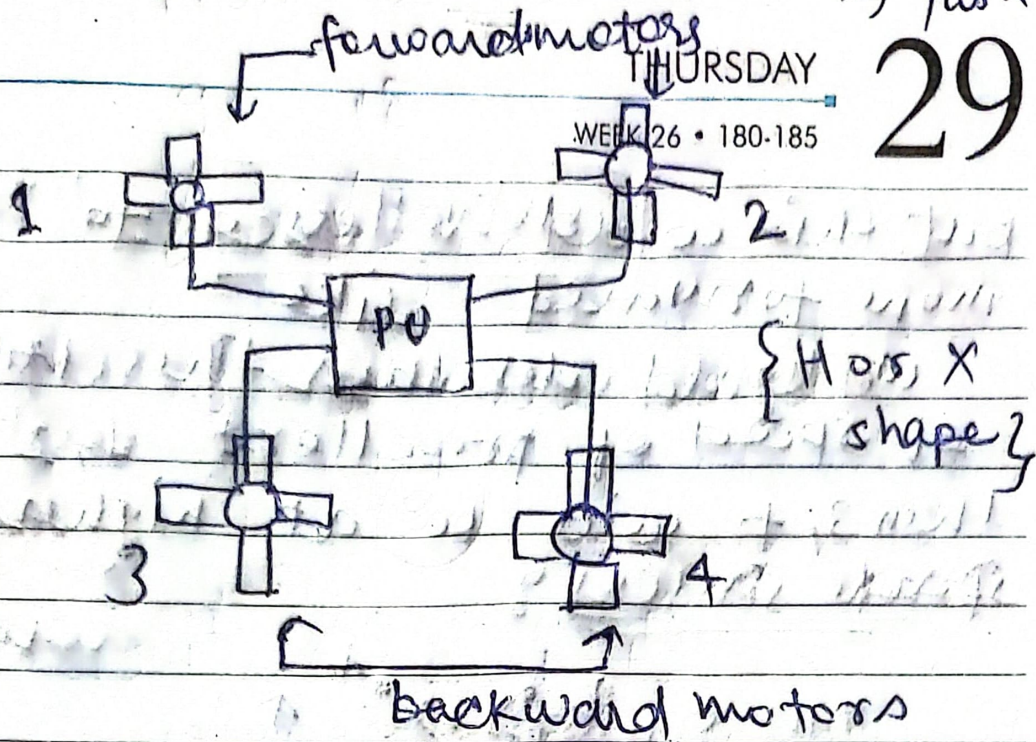
29

09

10

11

12



Components;

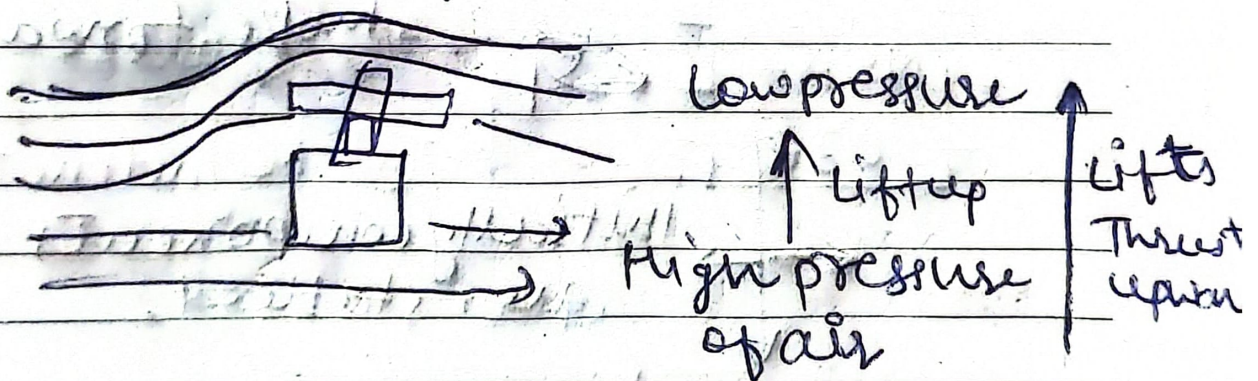
1

Thrust should balance the weight of the drone

2

3

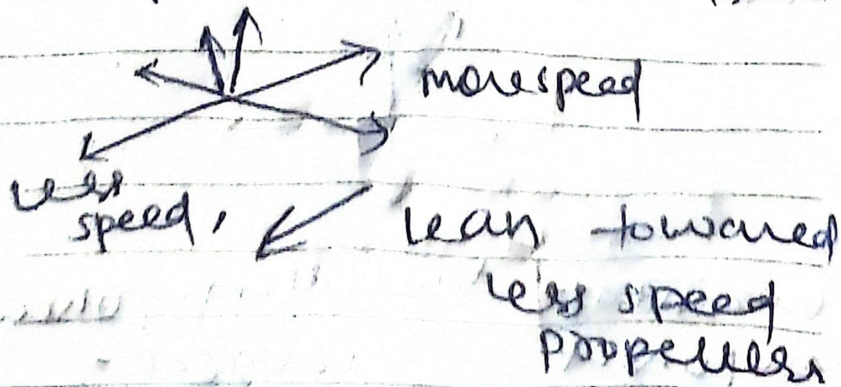
4



5

speed should be the same for ~~both~~ all 4 motors to align the drone in center otherwise it will lean in opposite direction from where the speed is decreased.

→



JULY 2023

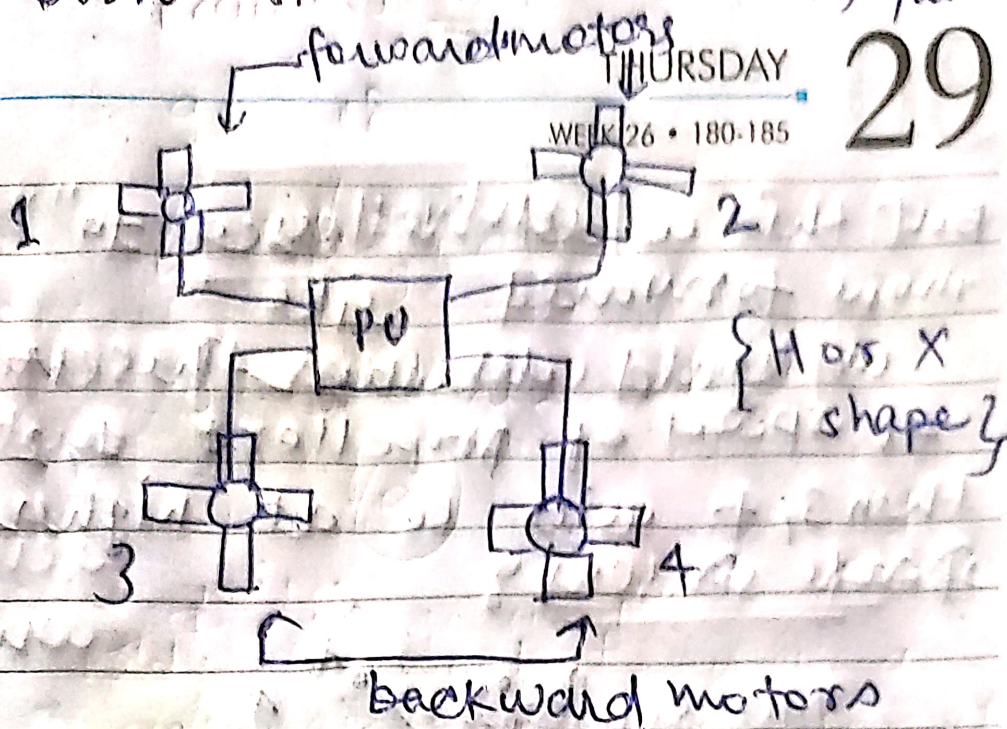
M	T	W	T	F	S	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

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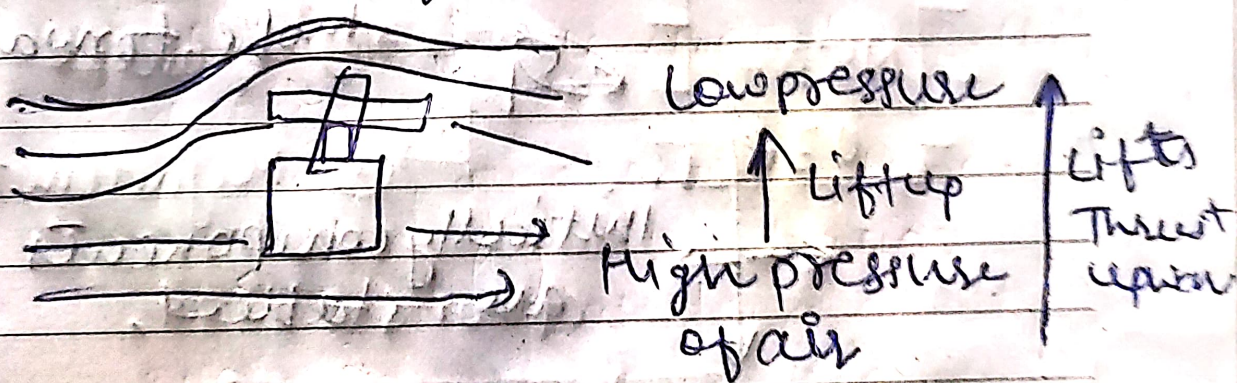
THURSDAY
WEEK 26 • 180-185

29

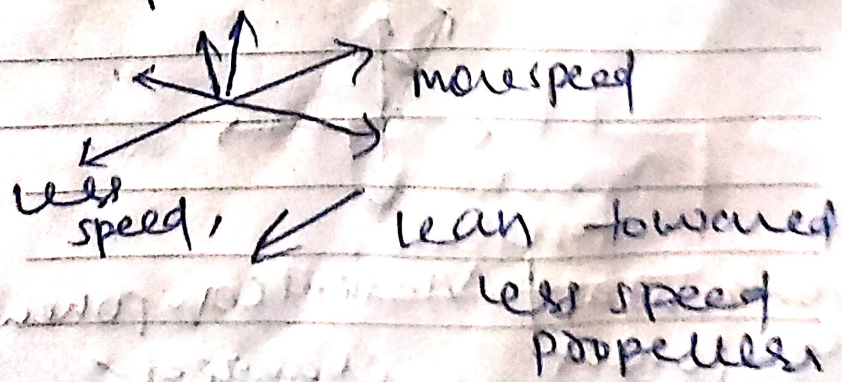


Components;

Thrust should balance the weight of the drone



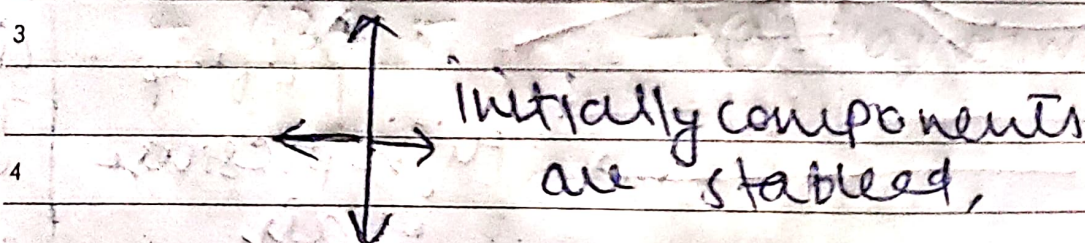
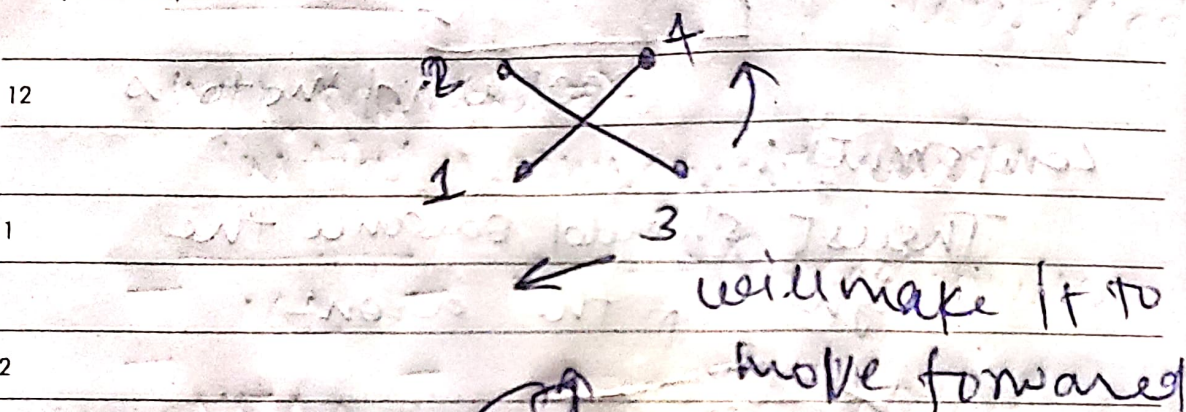
Speed should be the same for all 4 motors to align the drone in center otherwise it will lean in opposite direction from where the speed is decreased.



JULY 2023

M	T	W	T	F	S	S
31					1	2
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but this could be used to
 move forward like
 we could decrease the value
 of speed of propellers 1, 2.
 then 3, 4 will be at higher
 speed so



Secondly After that
 when speed are decreased
 of 1, 2 then



Horizontal
 Component
 changed,

Vertical component
 changed,

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M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
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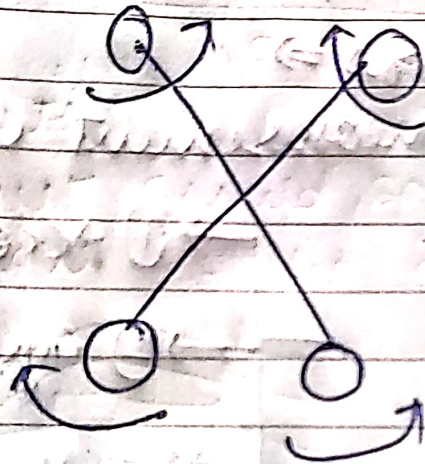
similar technique is used to rotate the drone in other direction like for left lower down 1, 3 and for right ~~2, 4~~ lower down the 2, 4

12

1

2

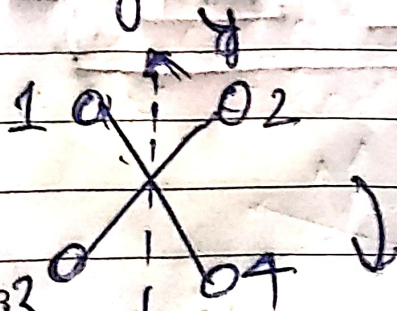
3



cancels the reaction "Torque". To avoid unnecessary rotation of drone completely.

5

To rotate the drone from ~~y to x~~ direction y to +x direction



SUNDAY 02

JULY 2023

M	T	W	T	F	S	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
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lower down 1 to create a torque which rotates the drone into +x dir