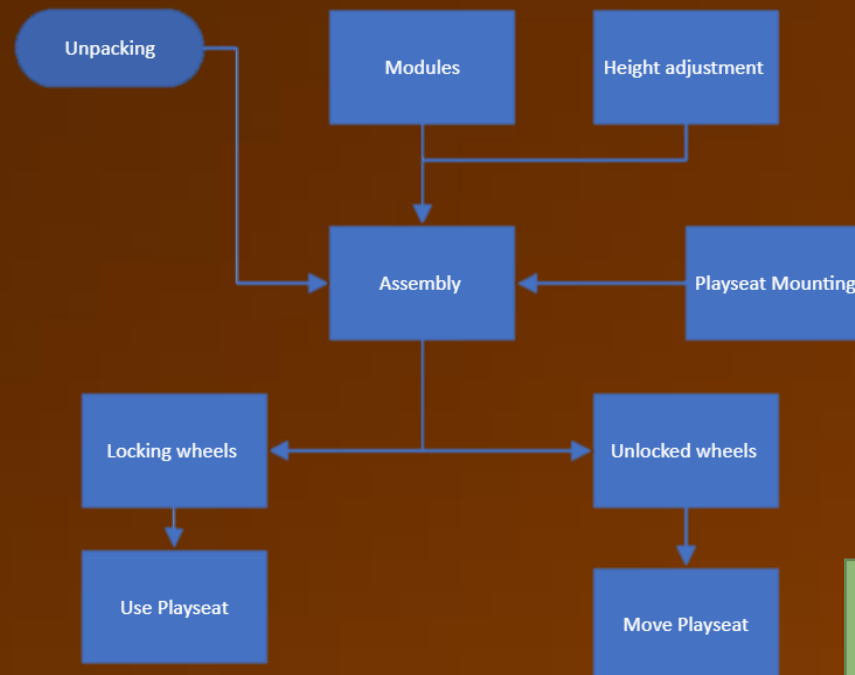


Functional Structure



Modules- Keyboard holder, VR headset Holder, Motion simulator, Game lighting, Side table.

Eco friendly options- Recycled aluminium, recycled HDPE, Recycles shoe soles for griping, wood for main body.

Materials- HDPE, Aluminium, Stainless steel, Rubber, PP (transparent)

Functional Solutions

Mounting- Screws, Magnetic mount, Clamping with mounts, Special joints.

Height – Fixed height, Rack and pinion, Screw lift, Stacking, Crossbar mechanism

Wheel locking- Gear locking, Caster locking, Off centre locking

Mobility type- small wheels, Hub less wheels, Belt tracks, Rubber ball.

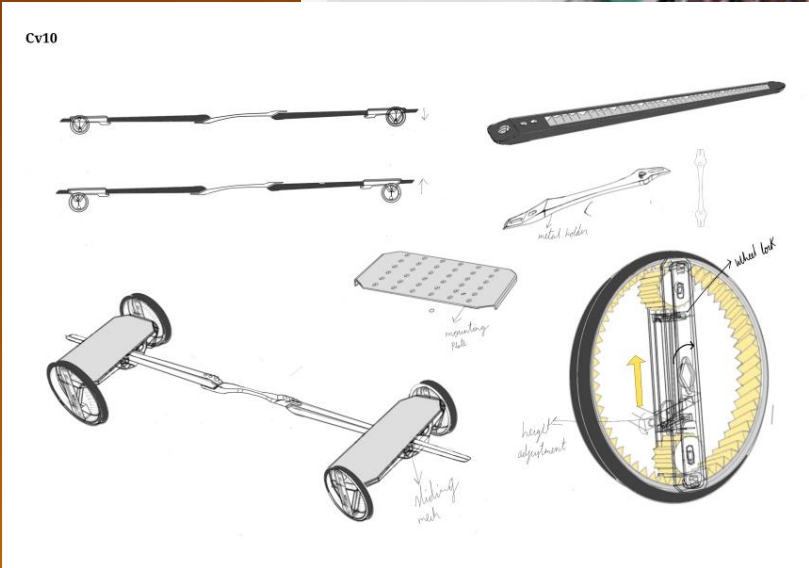
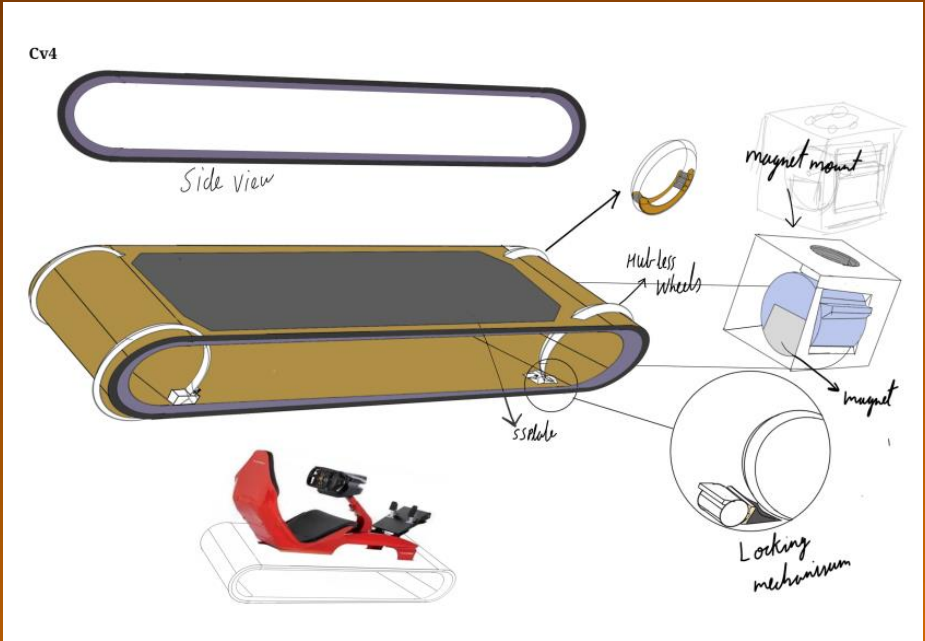
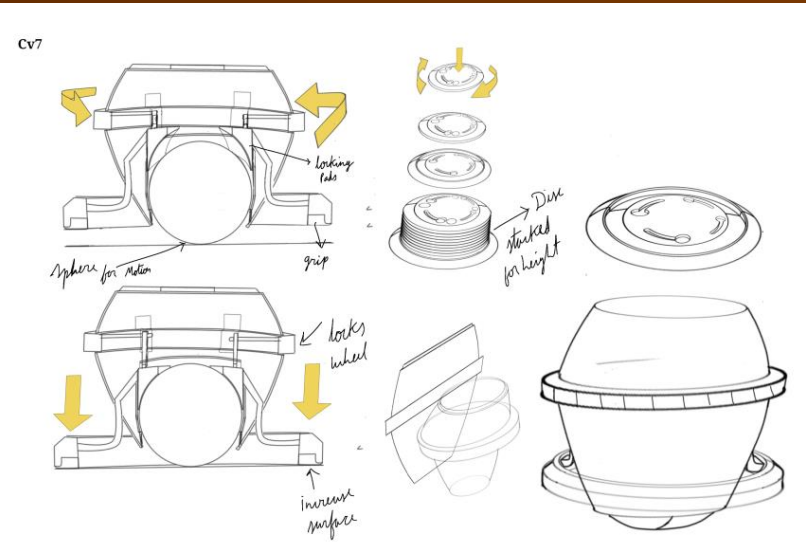
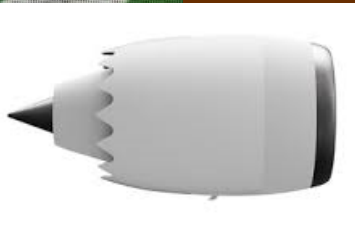
Configuration- One large base, Two Bases for each end, Four bases for each corner.

Inspiration Board



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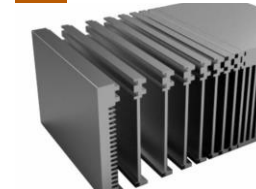
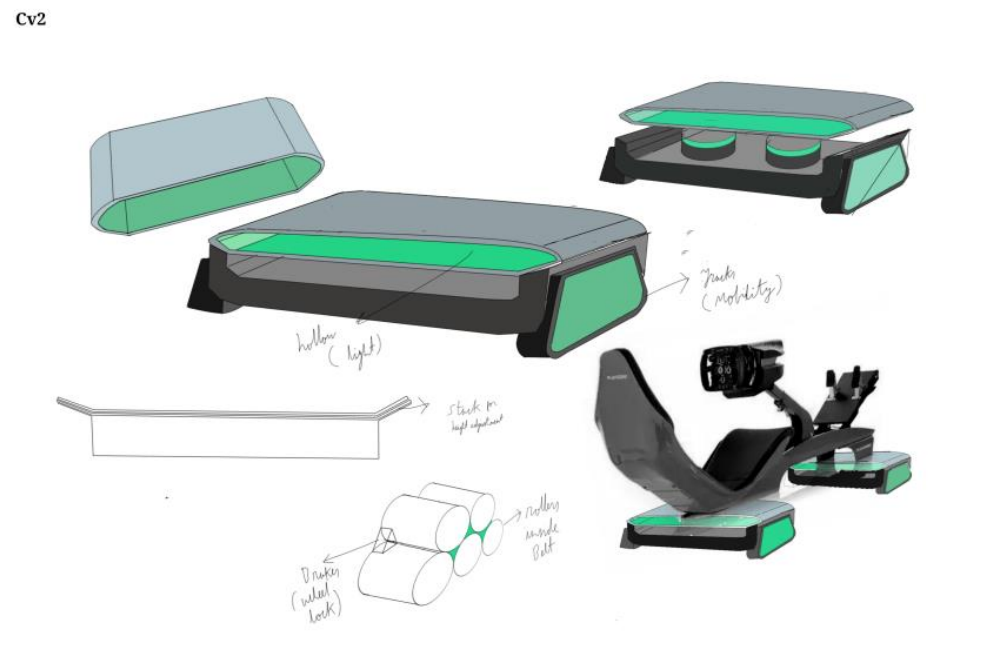
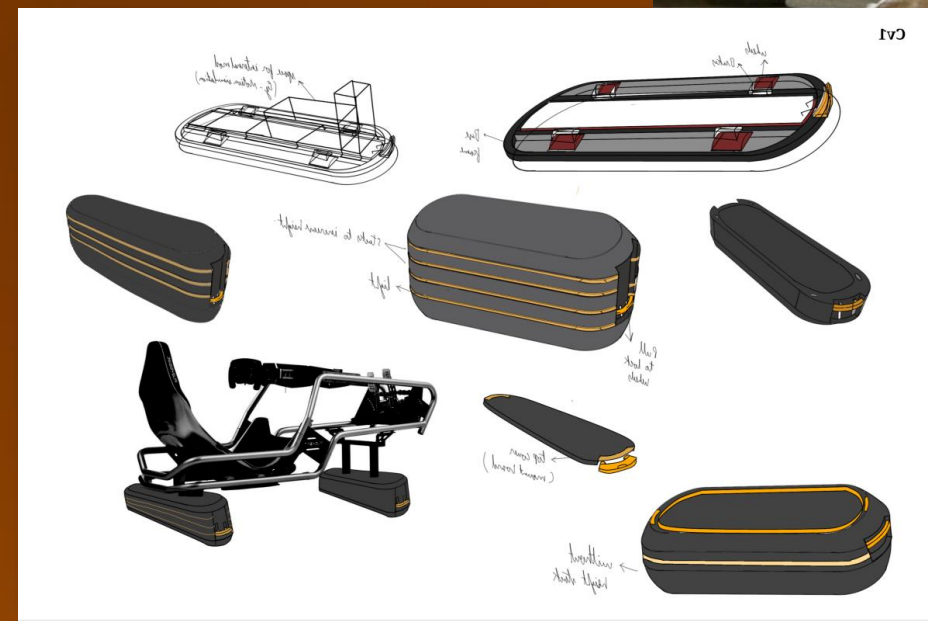
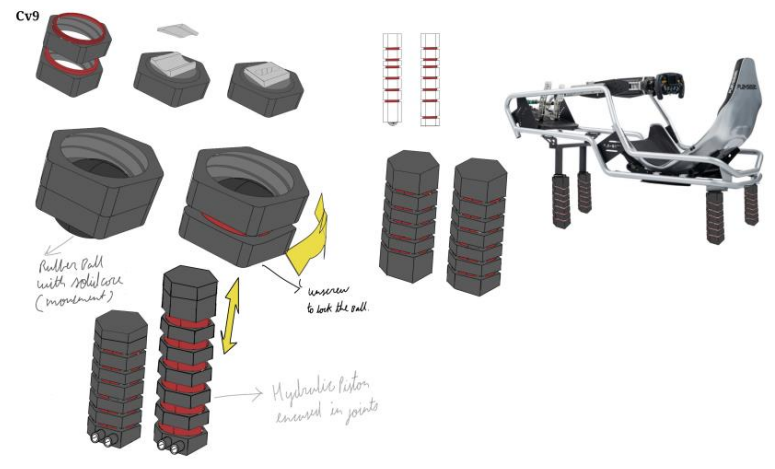
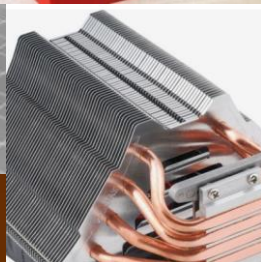
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Inspiration Board



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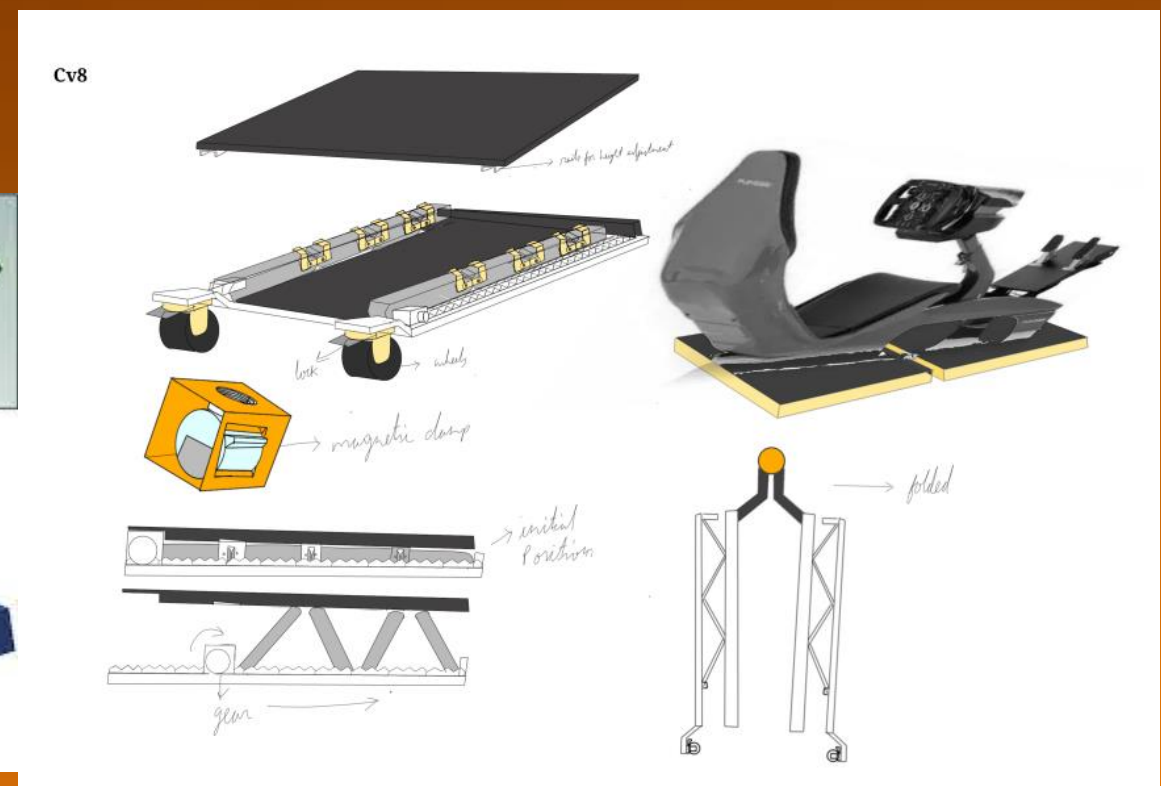
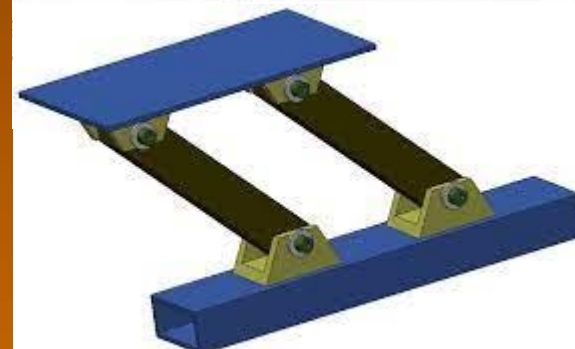
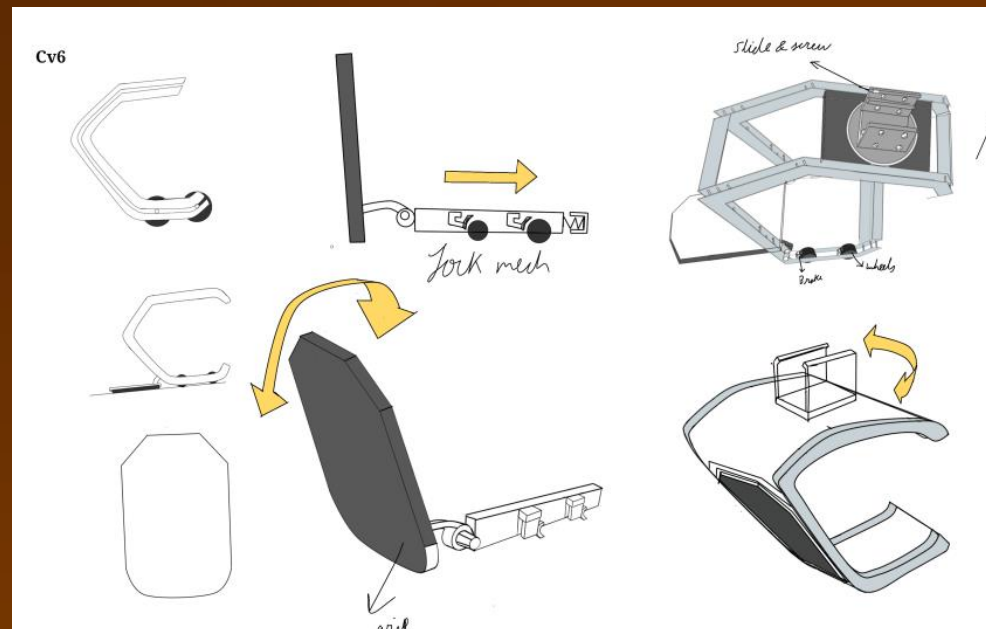
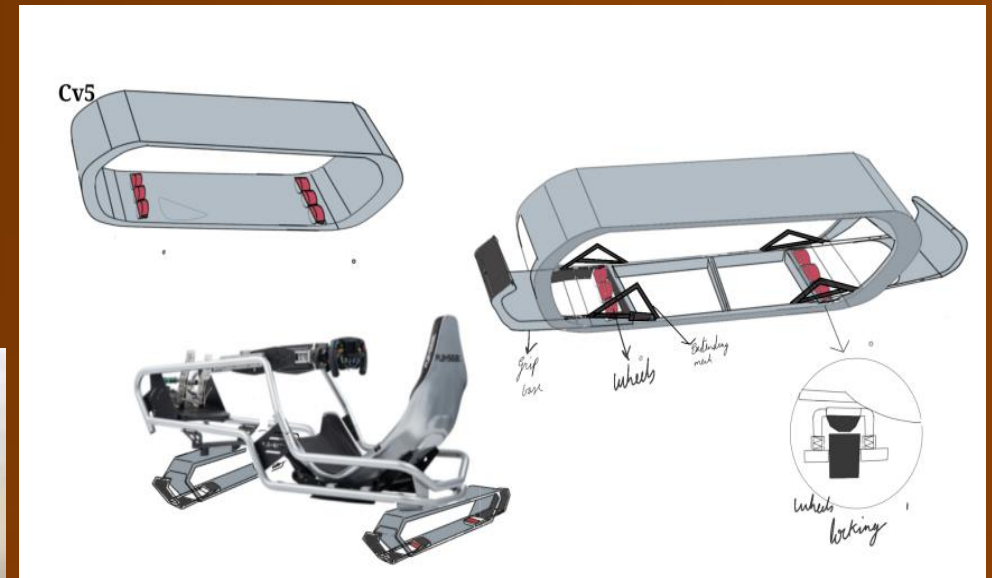


Inspiration Board



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Concept Variant Analysis



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Sr No.	Parameters	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10
1	Stability	1	1	1	0	1	1	1	1	1	0
2	Reliable mobility	1	1	1	1	1	1	1	1	0	1
3	Reliable locking	1	1	1	1	1	1	0	1	0	1
4	Easy Manufacturing	0	0	1	0	1	1	0	0	1	0
5	User Assembly	1	0	0	0	1	1	1	0	1	0
6	Modularity	1	0	1	1	0	0	0	1	1	1
7	Branding Visibility	1	0	1	0	0	0	0	0	0	0
8	Height	1	1	1	0	0	0	1	1	1	1
9	Portability	1	1	0	0	1	1	1	0	1	0
Total		8	5	7	3	6	6	5	5	6	4
Rank		1	6	2	10	3	4	7	8	5	9
Value	Scheme	According to analysis the concept with highest ranks are short listed for further design stage.									
0	Bad										
1	Good										

Final Design



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Cv1

