



IDEA PICHING OF GROUP PROJECT

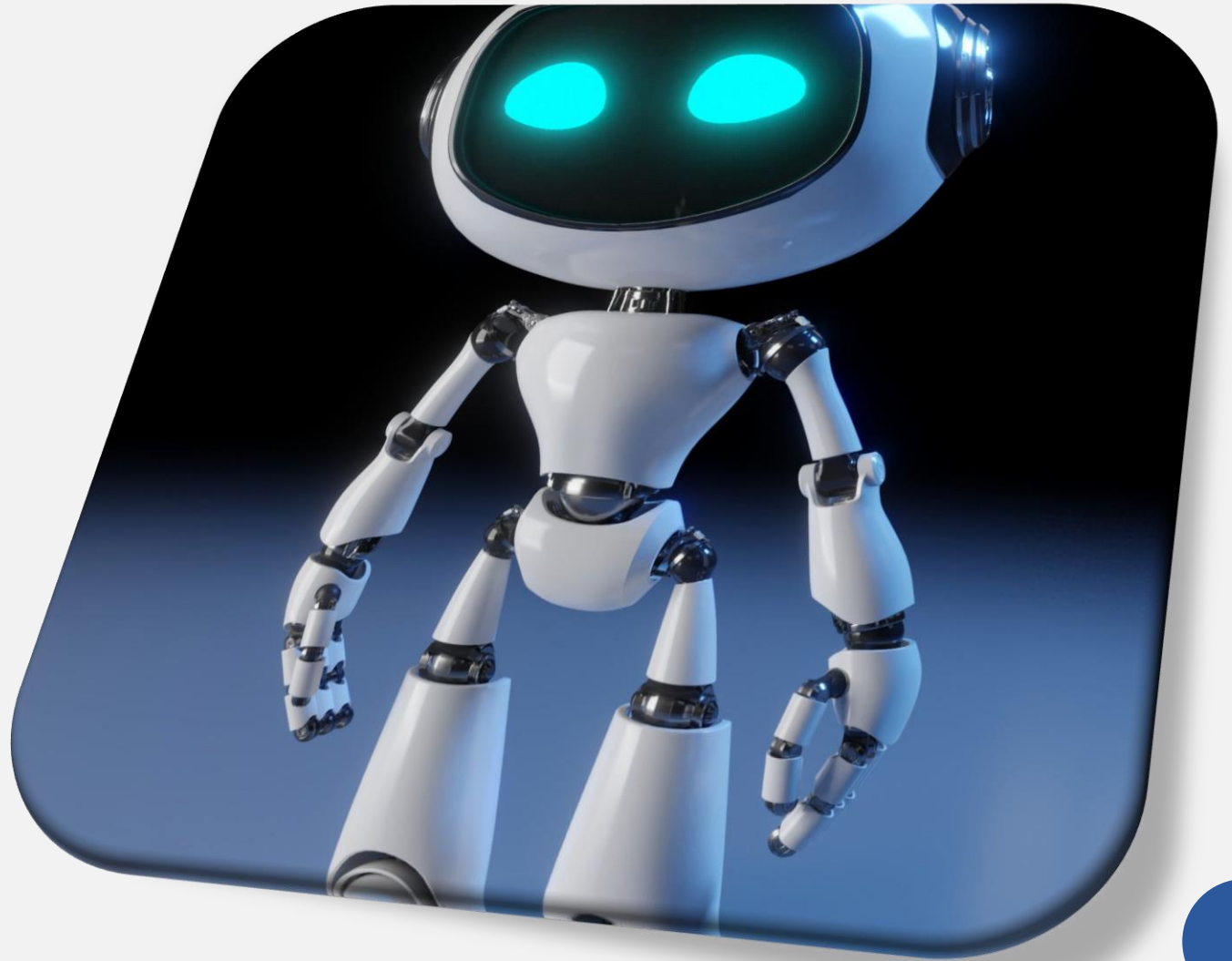
October 24, 2023

Team 09



Agenda

- Introduction
- Team
- Ideas of each group members
- Pugh chart classification
- Comprehensive project idea

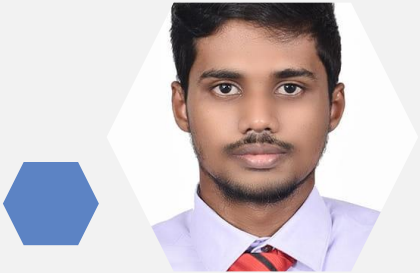


Introduction

This presentation is mainly focused in idea pitching of each group member and we try to choose one of the best product that can be make from these ideas from classified in different criteria.



Team



P.D.S.CHAMARA
22/ENG/112



N.L.SENDANAYAKA
22/ENG/109



L.Y.A.INDUSARA
22/ENG/091



R.A.R.W.RUPASINGHE
22/ENG/134

Ideas of each group member

22/ENG/112

1. Height adjustable chair
2. Drum set
3. Chair as a bed
4. Metal toy jeep
5. Flower pots stand
6. Basket hanger
7. Tin cutter
8. Metal watering can
9. Simple engine
10. Rotatable table

22/ENG/109

1. Metal hammer
2. Iron clamp
3. Bottle opener
4. Small items holder
5. Dinosaur model
6. Home fire pit
7. Metallic dress
8. Metallic helmet
9. Dustbin
10. Wall décor

22/ENG/091

1. Push button tap
2. Adjustable scissor
3. Laptop stand
4. Compost bin
5. Mechanical lock
6. Shower head
7. Adjustable luggage
8. Wheel barrow
9. Metal cup
10. Adjustable table

22/ENG/134

1. Toy truck
2. Toy bicycle
3. Ladder
4. Metal clamp
5. Metal bucket
6. Door latch
7. Steel funnel
8. Metallic pen
9. Necklace
10. Knife

Pugh chart classification

22/ENG/112	1	2	3	4	5	6	7	8	9	10
weight										
Durability	+	0	+	-	+	0	-	+	+	+
Cost	-	+	-	-	+	-	-	+	-	+
Creativity	+	+	+	+	-	-	+	0	+	+
Social impact	+	+	-	+	-	-	-	0	-	0
Feasibility	0	0	0	0	0	+	+	+	+	+
Safety	+	0	+	0	+	+	+	+	0	-
+	4	3	3	2	3	2	3	4	3	4
0	1	3	1	2	1	1	0	2	1	1
-	1	-	2	2	2	-3	3	0	2	-1
Total points	3	3	1	0	1	-1	0	4	1	3

I created a Pugh chart using my ideas and I selected the metal watering can for our creative product.



22/ENG/109	1	2	3	4	5	6	7	8	9	10
weight										
Durability	+	+	0	+	+	+	+	+	+	+
Cost	0	0	-	+	-	-	-	0	+	+
Creativity	0	+	0	-	+	-	+	0	-	+
Social impact	-	-	0	-	-	0	-	0	0	0
Feasibility	+	+	+	0	0	+	-	+	0	0
Safety	0	0	+	+	0	0	-	+	0	+
+	2	3	2	3	2	2	2	3	2	4
0	3	2	3	1	2	2	0	3	3	2
-	1	1	1	2	2	2	4	-	1	-
Total points	1	2	1	1	0	0	-2	3	1	4

I created a Pugh chart using my ideas and I selected the wall decor for our creative product.



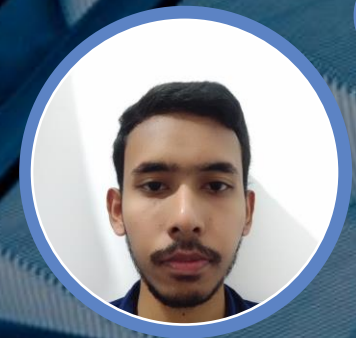
22/ENG/091	1	2	3	4	5	6	7	8	9	10
weight										
Durability	0	+	+	+	+	0	+	+	0	+
Cost	+	+	-	0	+	+	-	-	+	+
Creativity	-	-	+	0	-	-	+	0	-	+
Social impact	0	0	+	-	-	-	+	0	0	+
Feasibility	+	+	+	0	+	+	0	+	0	+
Safety	+	+	+	+	+	0	0	+	-	+
+	3	4	5	2	4	2	3	3	1	5
0	2	1	-	3	-	2	2	2	3	-
-	1	1	1	1	2	2	1	1	2	-
Total points	2	3	4	1	2	0	2	2	-1	5

I created a Pugh chart using my ideas and I selected the adjustable table for our creative product.



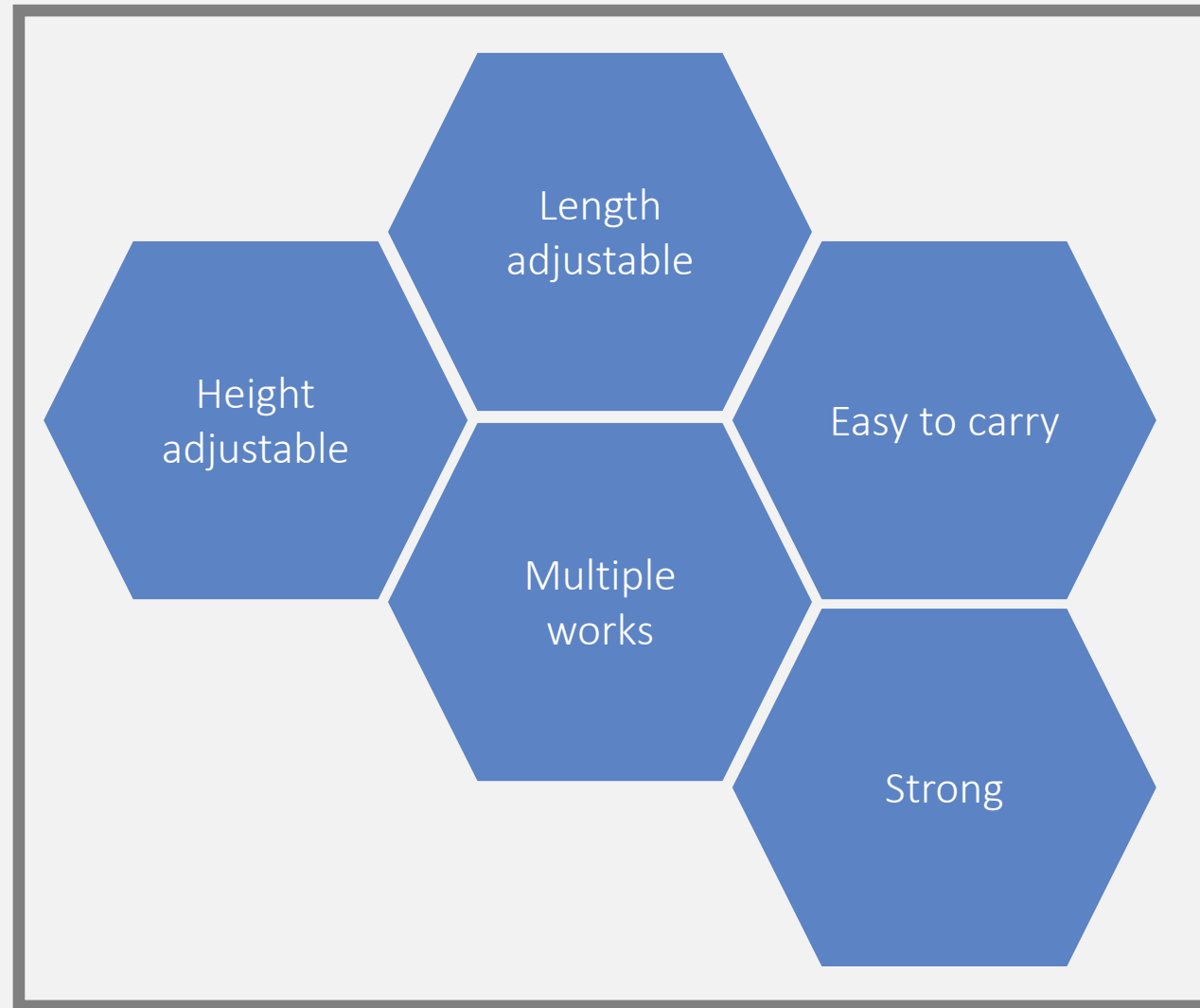
22/ENG/134	1	2	3	4	5	6	7	8	9	10
weight										
Durability	+	+	+	+	+	+	0	+	0	+
Cost	-	-	-	+	+	+	+	-	+	+
Creativity	+	+	0	-	-	-	0	+	0	-
Social impact	+	+	+	+	+	0	0	0	0	-
Feasibility	0	0	+	+	+	+	+	+	-	+
Safety	+	+	+	+	+	+	0	0	-	0
+	4	4	4	5	5	4	2	3	1	3
0	1	1	1	-	-	1	4	2	3	1
-	1	1	1	1	1	1	-	1	2	2
Total points	3	3	3	4	4	3	2	2	-1	1

I created a Pugh chart using my ideas and I selected the metal bucket for our creative product.

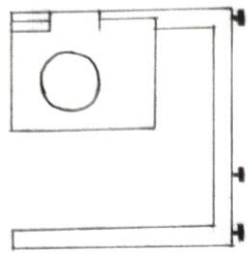


Adjustable chair is a best idea from looking at our main top four ideas. So, we like to make it correctly.

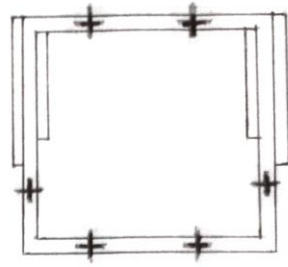
Key features of the adjustable table



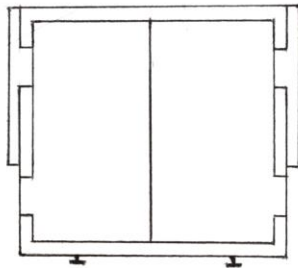
Hand drawn diagram



SIDE VIEW



FRONT VIEW

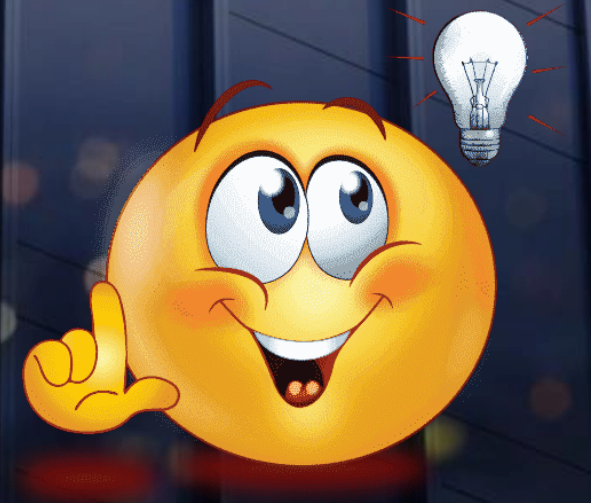


PLAN VIEW



Cost estimation

- Stainless steel box bar
 - 108" = Rs. 900 (width = 0.5")
 - 108" = Rs.1100 (width = 1.0")
- Welding sticks
 - 400g = Rs. 500
- Wood
 - 1m² = Rs. 500
- Metal sheets
 - 1m² = Rs. 500
- Total cost = Rs.3500





ADJUSTABLE TABLE

THE PERFECT
UPGRADE FOR YOUR ;

- ☐ HOME
- ☐ OFFICE
- ☐ READING AREA
- ☐ WORK STATION

HEIGHT RANGES:< 24"- 48" >

PRICE:< Rs.5,000 >

Heavy duty steel base

Scratch resistant work surface

❖ 3% DISCOUNT
FOR DEBIT
CARDS

ISLAND WIDE
FREE DELIVERY

Thank You!

