

Design Project 1-

For this project we had to create a mug that a one fingered person could use to drink coffee. We had to use the AHP method to rank the different options that we found through the classification tree.

AHP

Main Attributes	Appearance	Portable	Flexible	Durable	User Friendly	Total (Ri)	Weighting (Wi)
Appearance	1	0.1666666667	0.1666666667	0.1428571429	0.1111111111	1.587301587	0.03448275862
Portable	6	1	1	0.8571428571	0.6666666667	9.523809524	0.2068965517
Flexible	6	1	1	0.8571428571	0.6666666667	9.523809524	0.2068965517
Durable	7	1.166666667	1.166666667	1	0.7777777778	11.11111111	0.2413793103
User Friendly	9	1.5	1.5	1.285714286	1	14.28571429	0.3103448276
					Total R:	46.03174603	

