

House of Quality	Engineering Characteristics	Hz
Customer Need	Importance Weight Factor	Plan Paths to Goal
1) Autonomus control	6	9
2) Object Classification	0	~
3) Avoid hitting obstacles	4	9
4) Network range up to 500m	3	3
5) Indoor capabilities	1	7
6) Built into RadioFlyer car	5	~
7) Adapts to changes in environment	2	9
8) Jetson protected at all costs	7	~
Raw Score	819	124
Relative Weight %		15.14042
Rank Order		2

	Hz2	GB	m	W	Hz3	Hz4	Hz5
Classify Objects						Communicate with Motors	Communicate with User
3	9	9	9	9	9	5	3
9	7	5	9	9	9	~	7
3	~	1	9	9	9	9	1
7	~	~	~	~	~	~	9
9	7	9	3	9	9	5	7
~	~	~	5	7	7	5	5
5	7	7	3	9	9	7	1
~	~	~	~	~	~	~	~
70	75	81	124	152	152	110	83
8.547009	9.157509	9.89011	15.14042	18.55922	18.55922	13.43101	10.13431
8	7	6	2	1	1	4	5