

Weighted Decision Matrix

Decision Factors		AI Insect	Smart Trash Can	Trash Picking Robots
Criteria	Wt.	3	4	5
Cost	5.0	5	5	5
Desirability	5.0	3	4	5
Efficiency	5.0	5	5	5
Feasibility	2.0	2	3	4
Time	3.0	3	5	5
Convenience	5.0	3	5	5
Knowledge	5.0	5	5	5
Availability	4.0	5	4	4
Manageability	4.0	3	5	5
Weighted Total		102	164	240

Winner: Trash Picking Robots

Criteria	Definition
Cost	How expensive the robot will be to make
Desirability	How many people want to buy this device and make use of it
Efficiency	How well will the device work
Feasibility	How conveniently will the device be able to be done
Time	How long will it take to make the device
Convenience	How suitable is it towards someone's needs
Knowledge	What kind of information will be needed to deliver this product
Availability	What and how many resources will be available to build this device and how many
Manageability	How will this product be organized and directed when made

