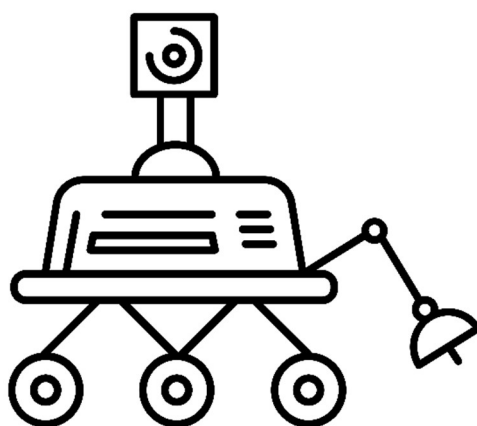


MORPHOLOGICAL ANALYSIS FOR ROBOT BASE DESIGN ALTERNATIVES















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Morph technique is an important stage in creating a wide range of alternatives that will help us to make a desirable project. Simply we have to construct a table to list the potential means for each feature containing the specification functions at the left of the table. During this point, we create a collection of designs with a set of means, we will use different colors in order to create a sit of alternatives.

Table 1: Morph Chart

Function	Means		
	1	2	3
1. Wheels	Four  	Three 	Two 
2. Box	Bars  	Closed 	Open 
3. Shape	Rectangle  	Pentagon 	Circle 

Datum:

Four wheels – Bars - Rectangle

Alternative 1:

Four wheels - Closed - Rectangle

Alternative 2:

Three wheels – Bars - Circle

Alternative 3:

Two wheels - Open - Pentagon