

TEAM 3

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Order of Importance:

1. Available Materials
2. Safety
3. Affordable Cost
4. Appropriate Technology
5. Ease of Maintenance

Weight Factors (WF) of Criteria

Criteria/ Requirements	Appropriate Technology	Available Materials	Affordable Cost	Ease of Maintenance	Safety	Total Cost for each Row	WF for each row = Total of Row/ Sum of Totals
Appropriate Technology		0	0	1	0	1	.1
Available Materials	1		1	1	1	4	.4
Affordable Cost	1	0		1	0	2	.2
Ease of Maintenance	0	0	0		0	0	0
Safety	1	0	1	1		3	.3

Selecting a Conceptual Option Using Weight Selection Matrices

	Weight Factors of Criteria = WF	Concept Option 1 (Camille)	Concept Option 2 (Jacob)	Concept Option 3 (Andrew)	Concept Option 4 (Ahmad)
Appropriate Technology	.1	3	3	3	3
Available Materials	.4	5	3	5	5
Affordable Costs	.2	4	2	3	5
Ease of Maintenance	0	4	4	4	4
Safety	.3	5	5	5	5
TOTAL		21	17	20	22