**TEAM 3**
Ahmad Alhathboor  
Camille Jessica Cunanan  
Seok Young Kim  
Jacob Namey

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

**Weight Factors (WF) of Criteria**

<table>
<thead>
<tr>
<th>Criteria/Requirements</th>
<th>Appropriate Technology</th>
<th>Available Materials</th>
<th>Affordable Cost</th>
<th>Ease of Maintenance</th>
<th>Safety</th>
<th>Total Cost for each Row</th>
<th>WF for each row = Total of Row/Sum of Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate Technology</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
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<td>Available Materials</td>
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<td>1</td>
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<td>.4</td>
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<tr>
<td>Affordable Cost</td>
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<td>1</td>
<td>0</td>
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<td>2</td>
<td>.2</td>
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<tr>
<td>Ease of Maintenance</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Safety</td>
<td>1</td>
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<td>1</td>
<td>1</td>
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<td>.3</td>
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</table>
### Selecting a Conceptual Option Using Weight Selection Matrices

<table>
<thead>
<tr>
<th>Weight Factors of Criteria = WF</th>
<th>Concept Option 1 (Camille)</th>
<th>Concept Option 2 (Jacob)</th>
<th>Concept Option 3 (Andrew)</th>
<th>Concept Option 4 (Ahmad)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3</td>
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<td>5</td>
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<td>2</td>
<td>3</td>
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<tr>
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<td>5</td>
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<td>17</td>
<td>20</td>
<td>22</td>
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