**Template for Engineering Specification**

**Methodology:** This template provides the teams identify and sort the importance of the components in a given project. This would help students to come up with the components and value them in a quantitative manner.

**Instructions:**

1. Before beginning this process identify the components in the project
2. The 1st column (Engr. Spec. #) would serve as an identification number of the component
3. Importance would be graded in subjective manner where the value would depend on the ratings which the teams give.
4. Source would be the customer needs number in the customer needs mapping matrix.
5. Specification description would contain what the specification is an example would be given within the template.
6. Unit’s measure would be the measurement that will be used to measure this component. It can be in time (as in minutes, hours, etc), length (meters, feet, etc), weight, etc
7. Marginal value would serve as the tolerance of the measurement
8. Ideal value section would be the value that the team would hope to achieve if possible while executing the project
9. Comments section would contain a description for the user to make necessary notes.

<table>
<thead>
<tr>
<th>Engr. Spec. #</th>
<th>Needs</th>
<th>Importance</th>
<th>Specification (description)</th>
<th>Unit of Measure</th>
<th>Marginal Value</th>
<th>Ideal Value</th>
<th>Comments/Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES1</td>
<td>1.3</td>
<td>(1-9)</td>
<td>Size of device</td>
<td>Inches</td>
<td>32-42</td>
<td>28-44</td>
<td>Trade off must be made b/w performance and usability</td>
</tr>
<tr>
<td>ES2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:** This is an area which can be used to include any information not covered in the table.
**Reflections:** This section can be used to provide reflections on the specifications not only for the current and also for the future teams.