

## Robot Design Assessment Rubric

	<b>Advanced</b>	<b>Proficient</b>	<b>Basic</b>	<b>Below Basic</b>
<b>Timeliness (10%)</b>	<ul style="list-style-type: none"> <li>• Prototype is fully functional at the time of review</li> <li>• Group is present and ready to begin on time</li> </ul>	<ul style="list-style-type: none"> <li>• Prototype is semi-functional (has at least one working component) at the time of review</li> <li>• Group is present and ready to begin on time</li> </ul>	<ul style="list-style-type: none"> <li>• Prototype is together, but not functional at the time of review</li> <li>• Group is present but not ready to present</li> </ul>	<ul style="list-style-type: none"> <li>• Prototype is not built or functional at time of review</li> <li>• Not all group members are present, and group is not ready</li> </ul>
<b>Presentation (15%)</b>	<ul style="list-style-type: none"> <li>• Discussion remains professional in tone and direction</li> <li>• Discussion proceeds efficiently due to understanding and articulation of the groups ideas and design</li> <li>• Group is able to focus on relevant aspects of the robot design</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion remains professional in tone and direction</li> <li>• For the most part discussion proceeds efficiently</li> <li>• Group may not focus on relevant aspects of design, but does articulate important issues</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion does not have a professional tone or manner</li> <li>• Discussion does not stay on topic</li> <li>• Students may articulate some ideas of the project, but do not focus on main aspects of robot design</li> </ul>	<ul style="list-style-type: none"> <li>• Little discussion occurs during the presentation</li> <li>• Students show lack of understanding of group ideas and design of robot</li> <li>• Group does not focus discussion</li> </ul>

<p><b>Project Management (30%)</b></p>	<ul style="list-style-type: none"> <li>• Development is in line with timeline submitted with proposal</li> <li>• Group member roles and responsibilities are defined and adhered to</li> <li>• Schedule for future development is practical and workable</li> </ul>	<ul style="list-style-type: none"> <li>• Development is mostly in line with timeline submitted with proposal</li> <li>• Group members have roles and responsibilities which were mostly adhered to</li> <li>• Schedule for future development is present and likely practical and workable</li> </ul>	<ul style="list-style-type: none"> <li>• Group member do not abide by timeline that was submitted with proposal</li> <li>• Group members do not adhere to clearly defined set of roles and responsibilities</li> <li>• Future development is present but may not be in schedule or practical and workable</li> </ul>	<ul style="list-style-type: none"> <li>• Timeline is not submitted, or timeline is disregarded during development process</li> <li>• Group members do not clearly define roles</li> <li>• No schedule for future development is created</li> </ul>
<p><b>Progress (35%)</b></p>	<ul style="list-style-type: none"> <li>• Project shows a clear progression beyond what was available at the time of proposal</li> <li>• Every team member has effectively contributed to development</li> <li>• Decisions show evidence of a thoughtful decision-making process</li> </ul>	<ul style="list-style-type: none"> <li>• Project has progressed from what was available at time of proposal</li> <li>• Most team members have effectively contributed to development</li> <li>• Most decisions show evidence of use of a thoughtful decision-making process</li> </ul>	<ul style="list-style-type: none"> <li>• Project has made only fair progression beyond what was available at the time of proposal</li> <li>• Few team members have effectively contributed to development</li> <li>• Decision were made without using a decision making process</li> </ul>	<ul style="list-style-type: none"> <li>• Project has not progressed from time of proposal</li> <li>• Little contribution from any team member</li> <li>• No clear decisions made</li> </ul>

	<ul style="list-style-type: none"> <li>• Group has given appropriate consideration to all aspects of development, including mechanics, programming, and testing</li> </ul>	<ul style="list-style-type: none"> <li>• Group has spent some time considering all aspects of development</li> </ul>	<ul style="list-style-type: none"> <li>• Group has spend little time considering all aspects of development</li> </ul>	<ul style="list-style-type: none"> <li>• Group did not consider all aspects of development</li> </ul>
<b>Future Plans (10%)</b>	<ul style="list-style-type: none"> <li>• Group can describe what aspects of design will be worked on next</li> <li>• Groups has prioritized remaining tasks to ensure project will be completed on time</li> </ul>	<ul style="list-style-type: none"> <li>• Groups can give overall ideas of what future aspects of design will look like</li> <li>• Group has prioritized the ideas they have come up with for future design</li> </ul>	<ul style="list-style-type: none"> <li>• Groups have very little idea about future aspects of design</li> <li>• Group can provide a sketch of a timeline for future ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Group has not thought about future aspects of design</li> <li>• Group has no timeline to get future tasks done</li> </ul>

Total: \_\_\_\_\_