

Rubrics for External Design Review

	(4) Advanced - A	(3) Proficient - B	(2) Basic - C	(1) Below Basic - D or E
Timeliness (10%)	<ul style="list-style-type: none"> • Prototype is fully functional at the time of review • Group is present and ready to begin on time 	<ul style="list-style-type: none"> • Prototype is semi-functional (has at least one working component) at the time of review • Group is present and ready to begin on time 	<ul style="list-style-type: none"> • Prototype is together, but not functional at the time of review • Group is present but not ready to present 	<ul style="list-style-type: none"> • Prototype is not built or functional at time of review • Not all group members are present, and group is not ready
Presentation (15%)	<ul style="list-style-type: none"> • Discussion remains professional in tone and direction • Discussion proceeds efficiently due to understanding and articulation of the groups ideas and design • Group is able to focus on relevant aspects of the robot design 	<ul style="list-style-type: none"> • Discussion remains professional in tone and direction • For the most part discussion proceeds efficiently • Group may not focus on relevant aspects of design, but does articulate important issues 	<ul style="list-style-type: none"> • Discussion does not have a professional tone or manner • Discussion does not stay on topic • Students may articulate some ideas of the project, but do not focus on main aspects of robot design 	<ul style="list-style-type: none"> • Little discussion occurs during the presentation • Students show lack of understanding of group ideas and design of robot • Group does not focus discussion
Project Management (30%)	<ul style="list-style-type: none"> • Development is in line with timeline submitted with proposal • Group member roles and responsibilities are defined and adhered to • Schedule for future development is practical and workable 	<ul style="list-style-type: none"> • Development is mostly in line with timeline submitted with proposal • Group members have roles and responsibilities which were mostly adhered to • Schedule for future development is present and likely practical and workable 	<ul style="list-style-type: none"> • Group member do not abide by timeline that was submitted with proposal • Group members do not adhere to clearly defined set of roles and responsibilities • Future development is present but may not be in schedule or practical and workable 	<ul style="list-style-type: none"> • Timeline is not submitted, or timeline is disregarded during development process • Group members do not clearly define roles • No schedule for future development is created

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(Cont.)	(4) Advanced - A	(3) Proficient - B	(2) Basic - C	(1) Below Basic - D or E
Progress (30%)	<ul style="list-style-type: none"> Project shows a clear progression beyond what was available at the time of proposal Every team member has effectively contributed to development Decisions show evidence of a thoughtful decision-making process Group has given appropriate consideration to all aspects of development, including mechanics, programming, and testing 	<ul style="list-style-type: none"> Project has progressed from what was available at time of proposal Most team members have effectively contributed to development Most decisions show evidence of use of a thoughtful decision-making process Group has spent some time considering all aspects of development 	<ul style="list-style-type: none"> Project has made only fair progression beyond what was available at the time of proposal Few team members have effectively contributed to development Decision were made without using a decision-making process Group has spend little time considering all aspects of development 	<ul style="list-style-type: none"> Project has not progressed from time of proposal Little contribution from any team member No clear decisions made Group did not consider all aspects of development
Future Plans (15%)	<ul style="list-style-type: none"> Group can describe what aspects of design will be worked on next Groups has prioritized remaining tasks to ensure project will be completed on time 	<ul style="list-style-type: none"> Groups can give overall ideas of what future aspects of design will look like Group has prioritized the ideas they have come up with for future design 	<ul style="list-style-type: none"> Groups have very little idea about future aspects of design Group can provide a sketch of a timeline for future ideas 	<ul style="list-style-type: none"> Group has not thought about future aspects of design Group has no timeline to get future tasks done