

Grading Rubric WAICY 2019

Artificial Intelligence Criteria	Visual recognition of objects and/or custom markers	Landmark-based navigation	Object manipulation	Visual recognition of faces and/or facial expressions	Speech generation	Speech recognition	State machine programming	
Definition	Robot reacts to visual cues other than faces	Robot shows path-planning behavior based on knowledge of its surroundings	Robot manipulates objects autonomously, without teleoperation	Robot reacts to faces and/or facial expressions	Robot produces synthesized speech derived from text	Robot recognizes and responds to speech input	Robot's behavior is organized as a finite state machine whose structure can be displayed and explained	Points (Maximum 50 points)
check								/50
Multimedia Criteria	Areas for Improvement (0-2 points)	Meet Expectations (3-5 points)		Beyond Expectations (6-8 points)		Outstanding (9-10 points)		Points (Maximum 10 for each criterion)
Story Line/Game Logic	Clarify the story line or the game logic; Make sure the project is original	The story line or the game logic is clear; The story line or the game logic is adapted from existing material		The story line or the game logic is clear and shows creative thinking		The story line or the game logic is very clear, creative, and entertaining		/10
Visual Design	Include a set design so that the scene is complete	Set design and set construction create an environment that fits the scenario in the presentation		Set design and set construction enable the robot to interact with the set; Custom objects show good design and are visually appealing		Set design and set construction show intricate design and fabrication; Custom objects interact with the robot on multiple levels; Overall non-robot components are visually appealing and/or artistic		/10
Audio Design	Include sound effects, narration, or music to enhance the overall viewing experience	Some use of audio; Sound effects, narration, or music create an environment that fits the scenario in the presentation		Good use of audio; Sound effects, narration, or music include customized audio that creates an environment that fits the scenario in the presentation		Overall creative and thoughtful audio design; Sound effects, narration, or music are integrated in a way that enhance the story line or the game experience		/10
Theme/Message	Focus on a theme or message that you want your presentation to have	There is a relatively concise and clear theme or message		The theme or message is clearly demonstrated through interactions and scenes in the presentation		The theme or message shows social awareness and/or meaningful human-robot interaction		/10
Preparation and Delivery	Become more familiar with the presentation; Spend more time preparing for the questions	Presenter is knowledgeable about the presentation and the entire design; Presenter stays on point and shows enthusiasm; Presenter has good interaction with the judges and audiences		Presenter reflects a deep understanding of the entire design; Presenter conveys enthusiasm and enhances the presentation; Presenter responds readily and comfortably to questions		Presenter reflects a deep understanding of the entire design and shows thoughtful preparation; Presenter strongly conveys enthusiasm and affects the audience to a great extent; Presenter reflects on and can make suggestions to improve the presentation		/10
Judge				Team ID			Total Score	/100