



RCAP Macao Invitational 2026

RCAP CoSpace Humanoid OnStage Performance Scoresheet (University)

Country/Region: School: Team:

SN	Assessment Criteria	Mark	Sub-Total
1	Stage Presentation (20 Marks)		
	1-2 Minute Presentation: Clear, confident, and professional presentation (in English) delivered during setup. Introduces the team, storyline, the theme, AI technology used, technical implementation, and key innovative features.	/10	
	Effective Narration: Clear and engaging narration (in English or the host country's official language) that effectively communicates the storyline, theme, and technological elements to the audience.	/10	/20
2	AI Tools Usage & Asset Creation (20 Marks)		
	Ideation & Scripting: Effective and appropriate use of AI tools for Brainstorming, Story development, Character development, Script writing, Performance planning.	/8	
	Audio & Visuals: Quality, originality, and effectiveness of AI-generated for Music, Voiceovers, Images, Videos, Animations, Visual effects	/6	
	AI Integration & Innovation: Creative and meaningful integration of AI technologies into the performance beyond simple AI-generated content.	/6	/20
3	Virtual World Design & Cinematography (20 Marks)		
	3D Scenery Design: Creative and technically competent design of Virtual environments, Buildings, Objects, Textures, Stage elements	/7	
	Virtual Cinematography: Effective use of Camera positioning, Camera movement, Viewing angles, Scene transitions, Composition, Cinematic techniques.	/6	
	Virtual Performers & Interaction: Effective integration and programming of Virtual humanoids, Virtual wheeled robots, Digital characters, Other virtual elements	/7	/20
4	Real World Humanoid Robot Setup (20 Marks) The team should create a suitable physical setup in which the humanoid robot can interact with and contribute to the overall performance.		
	Physical Setup & Environment: Creative and appropriate use of the physical stage/environment to support the humanoid robot's performance.	/7	/20

	• Humanoid Robot Integration: Effective integration of the physical humanoid robot with the real-world setup and the overall storyline.	/7								
	• Real-Virtual Interaction: Meaningful interaction or connection between the physical humanoid robot, virtual environment, virtual characters, and/or other digital elements.	/6								
5	Narrative & Entertainment Value (20 Marks)									
	• Storytelling & Theme: A coherent, creative, and meaningful storyline with a well-developed theme. The performance should demonstrate a clear relationship between the real and virtual worlds.	/10								
	• Audience Impact & Entertainment: The performance effectively engages the audience, maintains interest, creates an emotional or positive response, and provides a memorable experience	/10	/20							
6	Bonus Marks (20 Marks)									
	• Humanoid Robot Programming & Performance: A humanoid robot must be programmed by the team and used meaningfully in the stage performance.<table><tr><th>Achievement Level</th><th>Max Marks</th></tr><tr><td>No humanoid robot, or humanoid robot is used without team-developed programming</td><td>0</td></tr><tr><td>Humanoid robot is programmed by the team and performs predefined actions meaningfully connected to the storyline</td><td>6</td></tr><tr><td>Humanoid robot demonstrates advanced autonomous behaviours, decision-making, and multimodal interaction with humans and other robots through vision, audio, laser sensing, body gestures, and other sensory inputs. The robot also demonstrates coordinated interaction between virtual and real robots through network-based communication, enabling robots to perceive, communicate, respond, and collaborate with each other and with the surrounding environment.</td><td>20</td></tr></table>	Achievement Level	Max Marks	No humanoid robot, or humanoid robot is used without team-developed programming	0	Humanoid robot is programmed by the team and performs predefined actions meaningfully connected to the storyline	6	Humanoid robot demonstrates advanced autonomous behaviours, decision-making, and multimodal interaction with humans and other robots through vision, audio, laser sensing, body gestures, and other sensory inputs. The robot also demonstrates coordinated interaction between virtual and real robots through network-based communication, enabling robots to perceive, communicate, respond, and collaborate with each other and with the surrounding environment.	20	/20
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	Deduction:									
	• Time Violation -3 marks for every 10 seconds over or under the prescribed performance duration.									
	• Technical Issues Beyond Team Control No deductions will be applied if the issue is clearly beyond the team's control.									
	Total Score		/120							