



RCJA 2023 OnStage Novice Technical Description Paper

Team Information

Division: Novice

Team Name:

School:

State/Territory:

Team Member Names:

If any team member had a specific role, please include this below.

Member 1:

Member 2:

Member 3:

Member 4:

Member 5:

Collaboration

It is the overall desire of RoboCup Junior events that any technological and curricular developments will be shared with other participants after the event. Any developments including new technology and software examples, may be published on the RoboCup Junior website after the event, furthering the mission of RoboCup Junior as an educational initiative.

Added to the Technical Interview Score	Novice
Demonstrates that the work on display is authentic	/7
Hardware development process clearly indicated	/1
Performance concept development process clearly indicated	/1
Software development process clearly indicated	/2

Performance Theme

What is the theme/performance/idea of your performance?

What is the main highlight in your performance?

What sensors or technology should the audience look out for?

Maximum 200 words



What Robots feature in your performance? How you programmed them?

Please include number and type all robots you have used in The Performance, including programming language(s).

Maximum 200 words

What Mechanical features are you most proud of?

What was done to enhance the robot(s)' movements? Examples could include how you made the robots move smoothly, keep balance, communicate, avoiding objects, grasping objects, and so on.

Maximum 200 words



What Sensors are you using?

Which sensors are you using (for example Touch, Light, Sound, Rotation, Compass, Proximity, Ultrasonic, Colour)? How do the robots use these sensors? Do the performers interact with the robots via sensors?

Maximum 200 words

Robot-Robot Interaction:

Is there any robot-robot interaction in your performance? How do the robots move?

Maximum 200 words



Challenges and Difficulties:

What did your team find especially challenging? Did you overcome this? If so, how?

Maximum 200 words

A large, empty rectangular box with a thin brown border, intended for the student to write their response to the challenge question.



Photos and Images of the Robot(s)

If there is a design drawing of the robot or if you have photos or notes of the development process, please provide these as proof of your team's learning.

Maximum 200 words

Your Learning Journey

Briefly list your learning journey/activities you went through towards building The Performance. This can be done in a chronological order (dates worked on) or in any way that best explains your performance development.

Maximum 200 words



Extra Information

Is there anything else you would like to add?

Maximum 200 words