

## RCJA OnStage Technical Description Paper

This will count for 10 points in your interview

### Team Information

**Division:**

**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:**

### Overview

What is the theme/performance/idea of The Performance? Please include number and type all robots you have used in The Performance, including programming language(s).

### **Mechanical Innovation**

What was done to enhance difficult movements of the robots, such as moving smoothly, keeping balance, communication, avoiding objects, grasping objects, and so on.

### **Sensors**

Which sensors are you using (for example Touch, Light, Sound, Rotation, Compass, Proximity, Ultrasonic, Colour)?

### **Wireless Communication**

Are you using wireless communication(s)? If so what type (for example Infrared (IR), Bluetooth (BLE or Classic))?

**Programming Language**

What programming language(s) are you using?

**The Highlight**

The point what you want the audience and judges to show, usually the most important scene of The Performance.

**Robot-Robot Interaction:**

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

**Challenges and Difficulties:**

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

## **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.

**Collaboration**

Would you like us to share your Technical Description Paper with other members of the RoboCup OnStage community?

**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.

**Extra Information**

Is there anything else you would like to add?