RoboCupJunior Graz 2009
2009 DANCE INTERVIEW

RoboCup 2009 — GRAZ · AUSTRIA

Team Name: _____

Country: _____

Age Group (tick one)
☐ PRIMARY

☐ SECONDARY

JUDGE Initials

Robot Design & Construction The appearance and construction of the robot shows…	TOTALS
Design & construction was largely students' own Commercial robot (eg. AIBO) = 0, commercial kit (eg. LEGO) = 1 (eg. Using existing instruction) - 3 (own design), own design and hand-built = 3-4	/4
Gearing, linkages, pivots, (other non-basic features) used in design and drive mechanisms (reward design for complexity IF it aids movement)	/2
Students successfully addressed problems of robot balance and structural soundness in design in performance application (eg: how did you stop x from becoming loose during the performance? What have you done to prevent your robot(s) breaking if they fall?)	/4
Evidence of authenticity and evolution (Logbook, journal, photographic record or similar provided to convey ideas tried and discarded, progressive evolution of students' design and original ideas.)	/5
TOTAL	**/15**

Programming and Preparation Through experience, research and teamwork the team shows:	
They can explain, describe and understand their program thoroughly (eg: what does this section of program tell the robot to do? If I changed this part to become x, what effect would that have on the robot?)	/4
Complex, innovative or original programming used or programming level appropriate to age and expertise level[1] (eg: simple commands only 1;use of jumps/lands, loops, nested sections, creation of own icons or sequences 2-3, use of multiple languages/assembler 4-5)	/5
They are able to explain connections between the program and music selected (eg: How do you get your robot to synchronise to music ?)	/4
They could explain how they have worked as a team?[2] (eg: How did you work as a team? Share the tasks? How did you make decisions? If only one member of the team, what did you do to share your learning with others?)	/2
TOTAL	**/15**

Sensors & Technology Robot shows…	TOTALS
Use of sensors (eg: programming to respond to sensors, use of sensors to trigger next part of performance, evidence of programming to keep the robot within the stage boundaries, effectiveness of sensors used, use of communication between robots to assist location, timing, etc)	/4
Communication between robots using Bluetooth, IR or other means: (eg: communications between robots triggers events, keeps in sync with other robots, etc.)	/4
Use of other technologies: (eg: use of unusual technologies such as infra-red, sonar, GPS, in-built timer to monitor duration of performance, construction and control of hand-made serve motors/sensors, etc)	/4
TOTAL	**/12**

[1]*Servo motors do not use programming structure comparable to rotary motors – judges should make allowance for this when scoring robots using such programs.*
[2]*If the team has only one student, ask how s/he has managed to successfully complete multiple tasks, and if s/he got any help/support from adults or/and friends. If yes, ask what and how.*

TOTAL SCORE **/42**