



Score Card

Enter Scores on the JUDGE Tabs ONLY. This Totals Tab will calculate autom

Contest: Robotics and Automation Technology

Chair:

Judges:

5

Division: S

Each Judge Tab below should total to 100

Type	Skills Area	Max	Contestant Numbers			
			102	104	106	108
Standard	Safety Glasses	25	25.000	25.000	25.000	0.000
Standard	Tools Supplied by Team/Contestant	75	75.000	75.000	75.000	0.000
Standard	Written Exam	100	0.000	0.000	0.000	0.000
Standard	T1INT-Ready to discuss proposal	10	10.000	10.000	10.000	10.000
Standard	T1INT-Both Members Active	10	10.000	10.000	5.000	5.000
Standard	T1INT-Safety Issues documented	10	0.000	0.000	0.000	0.000
Standard	T1INT-Program Flow Chart	10	10.000	0.000	0.000	0.000
Standard	T1INT-System Hardware Layout	10	10.000	0.000	0.000	0.000
Standard	T1INT-Controller Input Assignments	10	10.000	0.000	0.000	0.000
Standard	T1INT-Controller Output Assignments	10	10.000	0.000	0.000	0.000
Standard	T1INT-Device Terminal Strip Conn. 1	5	5.000	0.000	0.000	0.000
Standard	T1INT-Device Terminal Strip Conn. 2	5	2.000	0.000	0.000	0.000
Standard	T1INT-Robot Positions	10	5.000	0.000	0.000	0.000
Standard	T1INT-Passed First Interview	10	10.000	0.000	0.000	0.000
Standard	T1OP-System Layout Updated to Match Wor	10	0.000	0.000	0.000	0.000
Standard	T1OP-Electrical Wiring	10	0.000	0.000	0.000	0.000
Standard	T1OP-Green Light On for Safe Work Area	10	10.000	0.000	0.000	0.000
Standard	T1OP-Green Off	10	10.000	0.000	0.000	0.000
Standard	T1OP-Green Flashing	10	0.000	0.000	0.000	0.000
Standard	T1OP-Red Light On	10	0.000	0.000	0.000	0.000
Standard	T1OP-Five Second Delay	10	0.000	0.000	0.000	0.000
Standard	T1OP-Audio Alert Sounded	10	0.000	0.000	0.000	0.000
Standard	T1OP-Test Part for Metal / Plastic	10	0.000	0.000	0.000	0.000
Standard	T1OP-Punch Plastic Part 1x	10	0.000	0.000	0.000	0.000
Standard	T1OP-Punch Metal Part 2x	10	0.000	0.000	0.000	0.000
Standard	T1OP-Test Part For Hole	10	0.000	0.000	0.000	0.000
Standard	T1OP-Blue Light on for Bad Part	10	0.000	0.000	0.000	0.000
Standard	T1OP-Yellow Light on During Pressing	10	0.000	0.000	0.000	0.000
Standard	T1OP-Audio Alert Sounded - Punch	10	0.000	0.000	0.000	0.000
Standard	T1OP-Log Total and Failed Parts	10	0.000	0.000	0.000	0.000
Standard	T1OP-Bad Parts Place in Bad Part Bin	10	0.000	0.000	0.000	0.000
Standard	T1OP-Part Bin 1 - Metal	10	0.000	0.000	0.000	0.000
Standard	T1OP-Part Bin 2 - Metal	10	0.000	0.000	0.000	0.000
Standard	T1OP-Part Bin 1 - Plastic	10	0.000	0.000	0.000	0.000
Standard	T1OP-Part Bin 2 - Plastic	10	0.000	0.000	0.000	0.000
Standard	T2INT-Ready to discuss proposal	8	8.000	8.000	0.000	0.000
Standard	T2INT-Both Members Active	8	8.000	8.000	0.000	0.000
Standard	T2INT-Safety Issues documented	8	0.000	0.000	0.000	0.000
Standard	T2INT-Program Flow Chart	8	0.000	0.000	0.000	0.000
Standard	T2INT-System Hardware Layout	8	2.000	2.000	0.000	0.000
Standard	T2INT-Controller Input Assignments	8	2.000	0.000	0.000	0.000



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Type	Skills Area	Max	Contestant Numbers			
			102	104	106	108
Standard	T2INT-Controller Output Assignments	8	2.000	0.000	0.000	0.000
Standard	T2INT-Device Terminal Strip Conn. 1	3	0.000	0.000	0.000	0.000
Standard	T2INT-Device Terminal Strip Conn. 2	3	0.000	0.000	0.000	0.000
Standard	T2INT-Robot Positions	8	8.000	0.000	0.000	0.000
Standard	T2INT-Passed First Interview	10	10.000	0.000	0.000	0.000
Standard	T2OP-System Layout Updated to Match Wor	8	0.000	0.000	0.000	0.000
Standard	T2OP-Electrical Wiring	8	0.000	0.000	0.000	0.000
Standard	T2OP-Green Light On	8	0.000	0.000	0.000	0.000
Standard	T2OP-Green Light Off	8	0.000	0.000	0.000	0.000
Standard	T2OP-Red Light On	8	0.000	0.000	0.000	0.000
Standard	T2OP-Audio Alert Sounded	8	0.000	0.000	0.000	0.000
Standard	T2OP-Punch Plastic Part 1x	8	0.000	0.000	0.000	0.000
Standard	T2OP-Test Part for Metal/Plastic	8	0.000	0.000	0.000	0.000
Standard	T2OP-Punch Metal Part 2x	8	0.000	0.000	0.000	0.000
Standard	T2OP-Log Total and Failed Parts	8	0.000	0.000	0.000	0.000
Standard	T2OP-System Loops Waiting for Part	10	0.000	0.000	0.000	0.000
Standard	T2OP-Five Second Delay	10	0.000	0.000	0.000	0.000
Standard	T2OP-Test Part For Hole	8	0.000	0.000	0.000	0.000
Standard	T2OP-Blue Light on for Bad Part	8	0.000	0.000	0.000	0.000
Standard	T2OP-Yellow Light on During Pressing	8	0.000	0.000	0.000	0.000
Standard	T2OP-Audio Alert Sounded Prior to Punch	8	0.000	0.000	0.000	0.000
Standard	T2OP-Log Total and Failed parts	8	0.000	0.000	0.000	0.000
Standard	T2OP-Bad Parts Placed in Bad Parts Bin	8	0.000	0.000	0.000	0.000
Standard	T2OP-Part Bin 1- Metal	8	0.000	0.000	0.000	0.000
Standard	T2OP-Part Bin 2- Metal	8	0.000	0.000	0.000	0.000
Standard	T2OP-Part Bin 1- Plastic	8	0.000	0.000	0.000	0.000
Standard	T2OP-Part Bin 2- Plastic	8	0.000	0.000	0.000	0.000
Standard	T2OP-Total Time to Run Task	25	0.000	0.000	0.000	0.000
Standard	T3INT-Ready to discuss proposal	6	0.000	0.000	0.000	0.000
Standard	T3INT-Both Members Active	6	0.000	0.000	0.000	0.000
Standard	T3INT-Safety Issues documented	6	0.000	0.000	0.000	0.000
Standard	T3INT-Program Flow Chart	6	0.000	0.000	0.000	0.000
Standard	T3INT-System Hardware Layout	6	0.000	0.000	0.000	0.000
Standard	T3INT-Controller Input Assignments	6	0.000	0.000	0.000	0.000
Standard	T3INT-Controller Output Assignments	6	0.000	0.000	0.000	0.000
Standard	T3INT-Device Terminal Strip Conn. 1	2	0.000	0.000	0.000	0.000
Standard	T3INT-Device Terminal Strip Conn. 2	2	0.000	0.000	0.000	0.000
Standard	T3INT-Robot Positions	6	0.000	0.000	0.000	0.000
Standard	T3INT-Passed First Interview	8	8.000	0.000	0.000	0.000
Standard	T3OP-System Layout Updated	6	0.000	0.000	0.000	0.000
Standard	T3OP-Green Light On	6	0.000	0.000	0.000	0.000



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Chair:

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Division: S

Each Judge Tab below should total to 100

Type	Skills Area	Max	Contestant Numbers			
			102	104	106	108
Standard	T3OP-Red Light On	6	0.000	0.000	0.000	0.000
Standard	T3OP-Five Second Delay	6	0.000	0.000	0.000	0.000
Standard	T3OP-Test Part for Hole	6	0.000	0.000	0.000	0.000
Standard	T3OP-Test Part For Metal	0	0.000	0.000	0.000	0.000
Standard	T3OP-Blue Light on for Bad Part	6	0.000	0.000	0.000	0.000
Standard	T3OP-Bad Part Counted	6	0.000	0.000	0.000	0.000
Standard	T3OP-Yellow Light on During Pressing	6	0.000	0.000	0.000	0.000
Standard	T3OP-Robot Beeps Prior to Punch	6	0.000	0.000	0.000	0.000
Standard	T3OP-Punch Plastic Part 1x	6	0.000	0.000	0.000	0.000
Standard	T3OP-Punch Metal Part 2x	6	0.000	0.000	0.000	0.000
Standard	T3OP-Log Total and Failed Parts	6	0.000	0.000	0.000	0.000
Standard	T3OP-System Loops Waiting for Part	8	0.000	0.000	0.000	0.000
Standard	T3OP-Good Parts Placed on Conveyor	8	0.000	0.000	0.000	0.000
Standard	T3OP-Robot Moves to Safe Position After Pl	8	0.000	0.000	0.000	0.000
Standard	T3OP-Conveyor Stops for 5 Seconds and Be	8	0.000	0.000	0.000	0.000
Standard	T3OP-Conveyor Stops at Sensor for Human	8	0.000	0.000	0.000	0.000
Standard	T3OP-Green Flashing - Part Ready for Picku	8	0.000	0.000	0.000	0.000
Standard	T3OP-Total Time to Run Task 3	25	0.000	0.000	0.000	0.000
Penalty	Task 1 Penalty - Sensor Box	-10				
Penalty	Task 1 Penalty - Blown Fuse	-5				
Penalty	Task 1 Penalty - Safety	-50				
Penalty	Task 2 Penalty - Sensor Box	-10				
Penalty	Task 2 Penalty - Blown Fuse	-5				
Penalty	Task 2 Penalty - Safety	-50				
Penalty	Task 3 Penalty - Sensor Box	-10				
Penalty	Task 3 Penalty - Blown Fuse	-5				
Penalty	Task 3 Penalty - Safety	-50				
Penalty	Clothing Penalty	-50				
Penalty	Safety	-50				

Maximum Possible Score:

1000

Total Scores:

250.000 138.000 115.000 15.000

Ranked Scores

Cont. #

First Place:	250	102
Second Place:	138	104
Third Place:	115	106



Score Card

atically.

Contest: Robotics and Automation Technology

Chair:

Version: 20130210

Division: S

30 max points, and the Totals Page will AVERAGE to 1000 Max Points as well.

Type	Skills Area	Max
Standard	Safety Glasses	25
Standard	Tools Supplied by Team/Contestant	75
Standard	Written Exam	100
Standard	T1INT-Ready to discuss proposal	10
Standard	T1INT-Both Members Active	10
Standard	T1INT-Safety Issues documented	10
Standard	T1INT-Program Flow Chart	10
Standard	T1INT-System Hardware Layout	10
Standard	T1INT-Controller Input Assignments	10
Standard	T1INT-Controller Output Assignments	10
Standard	T1INT-Device Terminal Strip Conn. 1	5
Standard	T1INT-Device Terminal Strip Conn. 2	5
Standard	T1INT-Robot Positions	10
Standard	T1INT-Passed First Interview	10
Standard	T1OP-System Layout Updated to Match Wor	10
Standard	T1OP-Electrical Wiring	10
Standard	T1OP-Green Light On for Safe Work Area	10
Standard	T1OP-Green Off	10
Standard	T1OP-Green Flashing	10
Standard	T1OP-Red Light On	10
Standard	T1OP-Five Second Delay	10
Standard	T1OP-Audio Alert Sounded	10
Standard	T1OP-Test Part for Metal / Plastic	10
Standard	T1OP-Punch Plastic Part 1x	10
Standard	T1OP-Punch Metal Part 2x	10
Standard	T1OP-Test Part For Hole	10
Standard	T1OP-Blue Light on for Bad Part	10
Standard	T1OP-Yellow Light on During Pressing	10
Standard	T1OP-Audio Alert Sounded - Punch	10
Standard	T1OP-Log Total and Failed Parts	10
Standard	T1OP-Bad Parts Place in Bad Part Bin	10
Standard	T1OP-Part Bin 1 - Metal	10
Standard	T1OP-Part Bin 2 - Metal	10
Standard	T1OP-Part Bin 1 - Plastic	10
Standard	T1OP-Part Bin 2 - Plastic	10
Standard	T2INT-Ready to discuss proposal	8
Standard	T2INT-Both Members Active	8
Standard	T2INT-Safety Issues documented	8
Standard	T2INT-Program Flow Chart	8
Standard	T2INT-System Hardware Layout	8
Standard	T2INT-Controller Input Assignments	8



Score Card

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Chair:

Version: 20130210

Division: S

00 max points, and the Totals Page will AVERAGE to 1000 Max Points as well.

Type	Skills Area	Max
Standard	T2INT-Controller Output Assignments	8
Standard	T2INT-Device Terminal Strip Conn. 1	3
Standard	T2INT-Device Terminal Strip Conn. 2	3
Standard	T2INT-Robot Positions	8
Standard	T2INT-Passed First Interview	10
Standard	T2OP-System Layout Updated to Match Wor	8
Standard	T2OP-Electrical Wiring	8
Standard	T2OP-Green Light On	8
Standard	T2OP-Green Light Off	8
Standard	T2OP-Red Light On	8
Standard	T2OP-Audio Alert Sounded	8
Standard	T2OP-Punch Plastic Part 1x	8
Standard	T2OP-Test Part for Metal/Plastic	8
Standard	T2OP-Punch Metal Part 2x	8
Standard	T2OP-Log Total and Failed Parts	8
Standard	T2OP-System Loops Waiting for Part	10
Standard	T2OP-Five Second Delay	10
Standard	T2OP-Test Part For Hole	8
Standard	T2OP-Blue Light on for Bad Part	8
Standard	T2OP-Yellow Light on During Pressing	8
Standard	T2OP-Audio Alert Sounded Prior to Punch	8
Standard	T2OP-Log Total and Failed parts	8
Standard	T2OP-Bad Parts Placed in Bad Parts Bin	8
Standard	T2OP-Part Bin 1- Metal	8
Standard	T2OP-Part Bin 2- Metal	8
Standard	T2OP-Part Bin 1- Plastic	8
Standard	T2OP-Part Bin 2- Plastic	8
Standard	T2OP-Total Time to Run Task	25
Standard	T3INT-Ready to discuss proposal	6
Standard	T3INT-Both Members Active	6
Standard	T3INT-Safety Issues documented	6
Standard	T3INT-Program Flow Chart	6
Standard	T3INT-System Hardware Layout	6
Standard	T3INT-Controller Input Assignments	6
Standard	T3INT-Controller Output Assignments	6
Standard	T3INT-Device Terminal Strip Conn. 1	2
Standard	T3INT-Device Terminal Strip Conn. 2	2
Standard	T3INT-Robot Positions	6
Standard	T3INT-Passed First Interview	8
Standard	T3OP-System Layout Updated	6
Standard	T3OP-Green Light On	6



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Chair:

Version: 20130210

Division: S

30 max points, and the Totals Page will AVERAGE to 1000 Max Points as well.

Type	Skills Area	Max
Standard	T3OP-Red Light On	6
Standard	T3OP-Five Second Delay	6
Standard	T3OP-Test Part for Hole	6
Standard	T3OP-Test Part For Metal	0
Standard	T3OP-Blue Light on for Bad Part	6
Standard	T3OP-Bad Part Counted	6
Standard	T3OP-Yellow Light on During Pressing	6
Standard	T3OP-Robot Beeps Prior to Punch	6
Standard	T3OP-Punch Plastic Part 1x	6
Standard	T3OP-Punch Metal Part 2x	6
Standard	T3OP-Log Total and Failed Parts	6
Standard	T3OP-System Loops Waiting for Part	8
Standard	T3OP-Good Parts Placed on Conveyor	8
Standard	T3OP-Robot Moves to Safe Position After Pl	8
Standard	T3OP-Conveyor Stops for 5 Seconds and Be	8
Standard	T3OP-Conveyor Stops at Sensor for Human	8
Standard	T3OP-Green Flashing - Part Ready for Picku	8
Standard	T3OP-Total Time to Run Task 3	25
Penalty	Task 1 Penalty - Sensor Box	-10
Penalty	Task 1 Penalty - Blown Fuse	-5
Penalty	Task 1 Penalty - Safety	-50
Penalty	Task 2 Penalty - Sensor Box	-10
Penalty	Task 2 Penalty - Blown Fuse	-5
Penalty	Task 2 Penalty - Safety	-50
Penalty	Task 3 Penalty - Sensor Box	-10
Penalty	Task 3 Penalty - Blown Fuse	-5
Penalty	Task 3 Penalty - Safety	-50
Penalty	Clothing Penalty	-50
Penalty	Safety	-50

Maximum Possible Score: 1000

Total Scores:

Ranked Scores	Cont. #
First Place: 250	102
Second Place: 138	104
Third Place: 115	106