Team Number:	School:

2015 Software Design and Simulation Score Sheet

=	e software design process and practices used ne robot program. (25 Points)	Possible Points	Score
SOFTWARE DESIGN PRO	OCESS (180 points)		
 Evidence of custom sof program 	tware design versus using the default robot	50	
Comments:			
 Identifying the require arm lift/bend/rotate/ex Designing each require Designing a user-inter 	de design process was followed d operations (e.g., locomotion/drive, chassis rotate, tend, claw rotate/open,) red operation (e.g., flow charting the steps involved) face (e.g., how the robot will be controlled) prrect operation of the robot program will be tested)	50	
Comments:	·		
the correct operation of	esting and debugging techniques utilized to verify the robot program without depending solely on software simulation via Simulink, virtual world, c.)	50	
Comments:			
	ed program functionality is applicable to the ogram functionality maps clearly to the desired	30	
Comments:			
SOFTWARE DESIGN PRA	ACTICES (55 points)		
 Consideration of good s conventions, code simplic 	software design practices (e.g., commenting, naming ity, modularity)	25	
Comments:			
Consideration of error of stop limits, out of bound Comments:	onditions and response actions. (e.g., motor/servo	15	
Consideration of code r	oortability and maintainability (e.g., use of		
	g values; use of functions, tasks and subsystems,	15	
Comments:			

CLARITY OF DESIGN AND DESCRIPTION (15 points)		
Clarity of design and description.	15	
Comments:		
Total	250	
	÷10	÷ 10
Final score:	25	