

		Engineering Requirements																
Project: MSD Total Supplier Performance and Inventory Control Project Number: P16701 Revision N/C Revision Description Date Initial Document Created 9/8/15 KB		Time to learn system as MSD Worker	Time to search for tool availability	Time to locate and retrieve tool	Time to process purchase requisition	Time to learn system as MSD Student	Time to identify if Machine is available	Reduce Paper Consumption	Reduce Lost Hardware	Students have 24/7 access to system	Number of clicks while using system	System is standardized across all resources	System accomadates RIT ID for sign in	Maximize Floor Space Efficiency	Workload of MSD Employees	Eliminate Repetitive Orders	Number of students able to process at the same time	Historical data is backdated
1.1	Allows for a large number of simultaneous users															X		
1.2	Includes all tools available to MSD students														X			
1.3	Includes all materials available to MSD students													X				
1.4	Provides resource for scheduling lab & machine reservations					X												
1.5	Utilizes RIT login										X							
1.6	Saves tool reservations to student's account						X										X	
1.7	Saves lab reservations to student's account																X	
1.8	Saves purchasing orders to student's account																X	
1.9	Provides 24/7 access to students							X										
1.10	Convert purchasing procedure from paper process to electronic system			X		X												
2.1	Easy for student's to find tool information	X																
2.2	Easy for MSD office staff to find tool storage location		X															
2.3	Quickly provides feedback when a tool is not available	X																
2.4	Each tool is identified with an inventory number or barcode		X															
2.5	Self explanatory			X					X									
3.1	Documents the exact storage location of a specific tool		X						X									
3.2	Quick and easy for students and guides		X															
3.3	Barcode scanner compatible		X															
3.4	Links RIT ID to student account and pulls reservation information										X							
3.5	Requires minimal updates												X					
3.6	Minimize floor space											X						
3.7	Does not increase day to day workload												X					
4.1	Easy to use				X													
4.2	Minimizes click frequency								X									
4.3	Standardized system									X								
4.4	Descriptive instructions	X									X							

Customer Requirements