Drilling machine evaluation form.

Name	Max points	Weights	Student X
Scaling up (95% right brings 100% score)		95 %	0,00
Total	100,00	100 %	0,00

Item	Max poir	Weight	
PLC	44,5	60 %	0
PLC project compiles without errors	1		
Initialisation is performed	2		
System handles parts through and makes holes	6		
Left Manip operates OK	2		
Left Manip waits in optimal phase (new part grasped, at up-left)	1		
Drill machine operates OK	2		
Right Manip operates OK	2		
System does not drop parts	3		
No collisions	3		
Use of FBs	3		
Subsystems has internal state models	2		
Re-used FBs (e.g. for L&R Manip)	2		
Hand-shaking between FB instances	4		
"Nice Stop" makes controlled and delayed stopping	2		
Continues properly after stop	2		
Movements ends are using "InTarget" event	1		
Global variables (IOs) are not used inside FBs, but brought through interface	2		
Global variables are resonably used	0,5		
Outputs (and variables) are written only in limited places	1		
Code is robust (no dead-locks)	1		
Code is clear and easy to understand	0,5		
Code is commented / FB interfaces	1		
Code is commented / code sections	0,5		

PackML	12	30 %	0
PackML model utilised	5		
Input buttons are taken only to PackML	1		
Emergency Stop is taken into account	1		
Becon is controlled by PackML model	1		

Beacon lights operates according specification	1		
Hidden/used states are defined	1		
Current state is visible	1		
Logical User Modes are defined	0,5		
Active User Mode is visualised	0,5		

Report	8	10 %	0
Report is provided	1		
Subsystems identified	1		
System's state model(s) is provided	1		
Hand-shaking is documented	1		
Hand-shaking protocol is documented	1		
Use of PackML states (+ hidden states)	1		
User Modes are documented	1		
Assignment feedback is given	1		

Points from Extra section bringing full score	4	10 %	0
Extras	7		0
Manual mode/controls is implemented	2		0
Suspended implemented	1		
Completing implemented (part counter)	2		
Step-by-step running	2		