

ED - Engineering Design	Mastering	Proficient	Developing	Emerging	No Evidence	Not Applicable
ED4 - Implementation	4 points The elevator system will cover at least three floors, with one CAN node per floor ("call-station").	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Each call-station will have up/down switches and lights	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points The elevator car will have door open/close switches & lights	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points The elevator car will floor-selection switches & lights	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points The elevator car will have LCD/7-segment display for displaying current location of the elevator.	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Detect the location of the elevator car (with the distance sensor) and distribute this information to all call-stations for displaying on LCD/7-segment display	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Detect up/down request at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Detect floor selection at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Detect door open/close request at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Include maximum hardware aids for debugging including test points, LEDs, start/stop switches, analog input knob	3 points	2 points	1 point	0 points	0 points

ED4 - Implementation	4 points Provide for future reuse of software and hardware in subsequent projects of the term	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points New features for the elevator operation (to be considered above and beyond).	3 points	2 points	1 point	0 points	0 points
ED4 - Implementation	4 points Detect door open/close request at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests the elevator system to ensure it covers at least three floors, with one CAN node per floor ("call-station").	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests the up/down switches and lights of each call station	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests the open/close switches & lights of the elevator car	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Test the floor-selection switches & lights of the elevator car	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests the LCD/7-segment display to ensure it displays the current location of the elevator.	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests the systems capability to detect the location of the elevator car (with the distance sensor) as well as its ability to distribute this information to all call-stations for displaying on LCD/7-segment display	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests to ensure the system can detect up/down request at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points

ED5 - Verification & Validation	4 points Tests to ensure the system can detect floor selection at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points
ED5 - Verification & Validation	4 points Tests to ensure the system can detect a door open/close request at any floor and switch on the respective LED	3 points	2 points	1 point	0 points	0 points
TM - Individual and Teamwork	Mastering	Proficient	Developing	Emerging	No Evidence	Not Applicable
TM1 - Personal Contribution	4 points	3 points Contributes positively and actively to team activities	2 points	1 point	0 points	0 points
TM2 - Collaboration	4 points	3 points Works with colleagues to equitably share work, resolve conflicts; self-evaluate for the benefit of the team	2 points	1 point	0 points	0 points
TM3 - Infrastructure	4 points	3 points Works with colleagues to clearly define team expectations (levels of quality, timeliness, contribution, etc.)	2 points	1 point	0 points	0 points
Overall Score	Mastering 88 or more	Proficient 63 or more	Developing 38 or more	Emerging 0 or more		