

# Lab 2 Rubric

Activity: Lab 2) Feasibility Model Phase 2

Course: ECE 298 - Spring 2021

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Document	Yes 3 points	Mostly 2 points	Marginally 1 point	No 0 points	Criterion Score
Overall: All project sensors, actuators, and user I/O are listed	Present, clear, and exhaustive ✓	One device/subsystem missing	Two devices/subsystems missing	More than two devices/subsystems missing	3 / 3
Overall: Table completion (not accounting for correctness)	Device/subsystem details are present, clear, and exhaustive ✓	Device/subsystem details are mostly present, clear, and exhaustive	Device/subsystem details are marginally present, clear, and exhaustive	Many device/subsystem details missing	3 / 3
Overall: Document quality	Formatting of the document is professional and includes appropriate use of paragraph and font styles, and appropriate formatting of tables and figures	Formatting of the document is generally consistent and adequate, and mostly includes appropriate use of paragraph and font styles, and appropriate formatting of tables and figures	Formatting of the document is inconsistent and inadequate, and marginally includes the use of paragraph and font styles, and marginal formatting of tables and figures	Document is formatted poorly and lacks appropriate use of paragraph and font styles, or appropriate formatting of tables and figures	3 / 3

Simulation	Yes 1 point	No 0 points	Criterion Score
The schematic simulates without error	Yes	No	1 / 1

Schematic	Yes 3 points	Mostly 2 points	Marginally 1 point	No 0 points	Criterion Score
The schematic is “reader friendly”• Signal Generators have their parameters displayed on the schematic; Signal Generators representing MCU signals at 3.3V • Don’t make the reader hunt for net connection endpoints (use a larger FONT)• Nets are neat and tidy	Yes	Some minor readability issues	Some major readability issues	Extremely difficult to read	3 / 3
Schematic follows best practices: • No floating inputs • No four-way junction dots (use T instead) • Appropriate use of net labels to form connections	Yes	Some minor bad practice issues	Some major bad practice issues	Too many bad practice issues	2 / 3

<b>Criterion Feedback</b>  floating inputs on LCD driver; nets are not named descriptively
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Device / Subsystem Tables	Yes 16 points	Mostly 12 points	Marginally 8 points	No 0 points	Criterion Score
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Device / Subsystem Tables	Yes 16 points	Mostly 12 points	Marginally 8 points	No 0 points	Criterion Score
Device/subsystem table details	Device/subsystem table details are all specific and reasonable	Device/subsystem table details are mostly specific and reasonable. Errors and omissions are minor and understandable.	Device/subsystem table details are somewhat specific and reasonable. Errors and omissions are major.	Device/subsystem table details have too many errors and omissions	16 / 16

Total	31 / 32
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Overall Score

Exceeds

Meets

Marginal

Below

