Rubric for Final Report 6.4212

Report title:	
Authors of report:	

	TECHNICAL EVALUATION	NOTES
☐	***Learning*** The project shows evidence of learning and acquisition of skills in simulation, and/or planning, control, perception, etc.	
☐	***Results*** The report explains/quantifies how well the system worked.	
☐	***Results*** If the system doesn't yet work, the report communicates a non-trivial understanding of what was preventing success.	
☐	***Effort*** The individual's work shows evidence of a legitimate effort to make the project a success/overcome challenges. The scope of the project is appropriate for the size of the team.	

	WRITING	NOTES
☐	Report meets the expectations of clarity, precision, and coherence in academic/technical writing (see rhetorical criteria for 6.4210 below).	

TITLE & DOCUMENT DESIGN
Title is descriptive.
Title identifies the system's function and/or signals the approach.
Report follows the guidelines of the IEEE conference paper template.
For team projects, the report includes team members' contribution statements.

ABSTRACT
Summarizes the report by offering a summary of the background/motivating problem, purpose, approach, results, and conclusion sections (~one to two sentences per section).
Establishes the significance of the design.

INTRODUCTION & RELATED WORK

Presents the topic and the motivating problem/research question the project is responding to.
Situates the project in the context of related work and the current situation.
Notes limitations of the current situation.
Identifies the significance of the research within the field and/or the real world.
Presents a hypothesis or solution in response to a specific limitation (opportunity).
States design goals (e.g. as concrete performance goals or values).
Introduction briefly forecasts approach and key results.
In the discussion of related work, authors reason about the benefits and limitations of existing approaches, and explain why their proposed approach best suits the stated purpose of the project.
Acknowledges and justifies any trade-offs.

APPROACH
Explains system architecture, procedures, and systems.
Presents the approach in a way that is reproducible.
Articulates assumptions and justifies trade-offs.

EVALUATION & DISCUSSION
Introduces and ***justifies*** an evaluation protocol designed to assess the model's performance in relation to the stated design goals.
Presents what was tested and why, and how those tests were performed.
Presents results (visually and verbally) and explains data from evaluation.
Results are interpreted and possibly related to those from related work.
Includes discussion of unusual results, limitations of the approach, and anomalies, if applicable.

CONCLUSION
Summarizes key findings.
Establishes the significance of the work.
Acknowledges possible limitations of the design.
Signals a way forward.

FIGURES, TABLES, AND QUANTITATIVE EVIDENCE
Visual and numerical evidence is appropriate and sufficient.
Figures, tables, and other visual evidence are numbered, titled, and accompanied by a descriptive caption that explains the visual and points to main take-aways.

Figures, tables, and other visual evidence and their captions combined tell the story of the design.
Visuals are legible and formally/aesthetically consistent.
Figures/tables are introduced and cross-referenced in-text ***before*** and in the order they appear.
Visual/numerical evidence is explained in-text.

USE OF SOURCES & REFERENCES
References to related work in the related work, approach, and results/discussion sections are sufficient and appropriate.
References to related work are properly cited and formatted.

STYLE & PRECISION IN ARTICULATION OF IDEAS
Report meets expectations of clarity and precision in academic writing.
Report is well-edited and stylistically coherent.