CS/ECE/ME532
Rubric for Final Projects

Component	Points	Excellent (100%)	Strong (90%)	Acceptable (75%)	Needs Improvement (60%)
Abstract 10 points total	3	Clearly defines topic studied	Some minor weakness in topic definition	Topic indirectly related to course content	Topic undefined or unrelated to course content
	4	Learning objectives clearly describe what the user will be able to do after completing exercise	Some minor weakness in learning objectives	Learning objectives present, but not clearly described	No identifiable learning objectives
	3	Conveys why project is interesting/unique	Some minor weakness in rationale for completing the activity	Rationale for completing the activity needs improvement	No rationale for completing the activity

Component	Points	Excellent (100%)	Strong (90%)	Acceptable (75%)	Needs Improvement (60%)
Background 15 points total	3	Problem clearly described	Minor weakness in problem description	Problem description needs improvement	Problem description is not understandable or missing
	3	History and importance of the problem are clear	Minor weakness in history and/or importance	History and importance present but need improvement	History or importance very weak or missing
	3	References contribute to understanding nature/importance of problem	Minor weakness in references	Relevance of references unclear	No references
	6	Mathematical formulation of problem is clear	Minor weakness in mathematical formation	Mathematical formulation incomplete or unclear	Mathematical formulation missing or substantially incorrect

Component	Points	Excellent (100%)	Strong (90%)	Acceptable (75%)	Needs Improvement (60%)
Activity- Warm up, Primary 25 points	5	Assumes appropriate level of prior knowledge (i.e., material covered in the course)	Minor gaps between course content and assumed prior knowledge	Some gaps between course content and assumed prior knowledge	Assumes prior knowledge well outside of course content
	5	Appropriate difficulty and scope (length) of activities	Difficulty/scope of activities inappropriate in minor areas	Difficulty/scope of activities inappropriate in a few significant areas	Either trivial or impossibly complex
	5	Appropriate progression and flow of activities (simple to complex, gradually introducing new concepts)	Progression and flow of activities needs improvement in minor areas	Weak progression and flow of activities in a few significant areas	Overall poor continuity in progression and flow of activities
	10	Activities achieve learning objectives	Minor mismatch between learning objectives and activities	Some mismatch between learning objectives and activities	Activities unrelated to learning objectives

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Supplementary Information 10 points	4	Citations are complete	Minor missing information in citations	Significant missing citations or missing information	Citations largely incomplete
	6	Solutions complete and easy to follow	Solutions are incomplete or hard to follow in minor areas	Solutions are confusing or incomplete in significant areas	Solutions are missing or impossible to follow

Component	Points	Excellent (100%)	Strong (90%)	Acceptable (75%)	Needs Improvement (60%)
Presentation 15 points	5	Clearly written with words that precisely express the intended meaning and support comprehension	Mostly clearly written with minor weakness in word choice	Occasional significant weakness in clarity due to word choice	Clarity and word choice poor
	5	Clear and easy to follow logic and flow of ideas	Logic and flow of ideas easy to follow with minor exceptions	Logic and flow of ideas difficult to follow in some areas	Requires considerable effort to understand logic and flow of ideas
	5	Insignificant grammatical or spelling errors	Minor grammatical and/or spelling errors that do not hinder comprehension	Occasional grammatical and spelling errors affect comprehension	Frequent grammatical and spelling errors that hinder comprehension