Project:	

XE401 Mini Project Report Grading Rubric

1.	Design descri	ption (see guidance document on XE401 website)	(50)
		Title Page, Table of Contents	
		Definition	
		Introduction	
	_	- Describes the problem context in own words	
		Problem Statement/Product Vision	
		- A short paragraph discussing the engineering problem to be s	solved
	Requiren	nents Analysis	
		Backlog lists specified and implied requirements	
		Include constraints on equipment and time	
	System D		
	· -	Functional Block Diagram	
		- Reflects "as built" system, not "as designed" (updated from the	ne IPR)
		- Includes signal characteristics and microcontroller ports used	
		Flow chart or algorithm for your software	
		- Reflects "as built" system, not "as designed" (updated from the	ne IPR)
		Design Methodology	
		- Describes a solution using some or all of the available sensor	S
		- Consistent with the Block Diagram and Flow Chart / Algorithms	nm presented
		- Explain and justify any design changes from the IPR	
		Design, System Integration & Test	
		Subsystem Design and Tests	
		- Describes how each subsystem was designed / operates	
	_	- Tests and results for each subsystem (i.e. how the function w	as confirmed)
	Ц	Integration tests and results	
		- Describes how (the process through which) the subsystems w	ere integrated, a
		systematic process	
		- Includes how the code was integrated	
	Duonauler	- Tests and results for the system as a whole	
		Functioning System Final Results	
	Ц		
		Includes the results from the Project DemoIncludes a photo of the completed design	
		- Expands/explains the results (ie. more than a list of the result	c)
	П	Conclusions	5)
	Additions	al Information	
		References	
		Code submission: originality, effectiveness, adherence to	algorithm provide
	Ц	the URL to the GitHub repository.	argoriumi, provide
2	Deer Evel Sub		(5)
2. Peer Eval Submitted		muca	(5)
3.	Robot and Par	rts kits turned in, lab space cleaned	(5)

		Project:	
4.	Format, Writing Quality		(15)

- Emailed to the instructor on time
- Electronically signed or scanned signed hardcopy cover sheet
- Correct spelling, grammar, use of technical terms
- Consistent formatting throughout (headings, captions, indentation, pagination, etc).
- Appropriate tone, avoidance of passive voice, consistent tense
- Figures and tables labeled and referenced in the body of the text
- Figures from texts or datasheets and all other references are properly cited

TOTAL (75)	
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