Grading criteria for the final projects

Each project is graded according to the following criteria:

Overall Product (70%+10%)		Functional qualities (40%)	Required Functions	All required functions are implemented and demoed w/o bugs		
		Additional Functions (10%)	Extra Credit Extra Credit Implemented features that implemented feat			
		Non- functional qualities (15%)	Object-oriented	The code is reasonably and		
			programming (2%)	appropriately structured with OOP		
			Readability of the	Proper naming convention and code		
			code (1%)	commenting		
			Overall Traceability (7%)	Names are consistent in		
				diagrams/models/code (4%)		
				All required documents are provided with reasonable effort (3%)		
			Presentation	Demonstration of system functions		
			(5%)	clearly within a short period of time		
		Validation (15%)	Testing (8%)	System has been tested with reasonable coverage at various levels		
			Model checking (7%)	System checked for safety requirements with reasonable assumptions on the environment		
			Completeness	Should cover all required and		
	Requirement (10%)	Requirement document (4%)	(2%)	implemented system features		
			Traceability (2%)	Structure and naming should be consistent		
		User manual (3%)	Completeness (2%)	The user can get proper instructions on how to operate the system		
			Comprehensiveness (1%)	The document is well organized and easily referenced		
		Weekly Meeting	Completeness (1%)	All reports submitted on time		
		Reports	Reasonable	Should contain comprehensive info		
		(3%)	(2%)	on progresses of the project		
Documentation (30%)	Development (10%)	Customer Consultations (2%)	Progresses are made gradually	Previously identified problems are fixed in the next iteration		
		Specification (8%)	Completeness	Another developer can implement		
			(3%)	your system w/o ambiguities		
			Traceability	Consistent with the requirement and		
			(5%)	code		
	Validation (10%)	Validation Report (10%)	Testing (4%)	The testing procedure and results are well documented		
			Risk Management (2%)	Risks are identified and mitigated		
			Model Checking (4%)	The models of the system and the environment are explained, and the properties are justified.		

The score of each student is calculated as the average of the overall product scores of the three projects plus the scores for each documentation duty assigned in the initial job allocation. The score is then multiplied by the project's percentage in the final score.

Example:

Project 1			Project 2			Project 3		
Overall Product		55	Overall Product		60	Overall Product		65
Document ation	Requirement	8	Docume ntation	Requirement	5	Docume ntation	Requirement	6
	Development	7		Development	4		Development	3
	Validation	5		Validation	9		Validation	7

The score for each student is calculated as follow:

	Score
Student 1 (1R2D3V)	(55+60+65)/3+8+4+7=79%
Student 2 (2R3D1V)	(55+60+65)/3+5+3+5=73%
Student 3 (3R1D2V)	(55+60+65)/3+6+7+9=82%