Engin 103 November 8, 2011 back to e-syllabus	Topics: Project 2 Part I Presentations Logbook questions

Project 2 Part I Presentations

Project 2 leaders: please copy this document and fill in your team response below. Then save as a web page: name "p2p1.html" and upload to your *files* folder, don't forget to upload the associated folder "p2p1_files" for the pictures to show. This upload **is required** as part of Project 2 on LabVIEW Virtual Instruments. It is due on the day of the presentation for Project 2 Part I (see e-syllabus)

Section 1 (9:30 AM)

Team #	Brief descriptions of the problem your VI is solving. What are the inputs and outputs, units, range of values, etc.	Insert a snap shot of the Front Panel. Resize the figure to a height of 2in	Insert a snap shot of the Block Diagram. Resize the figure to a height of 2in	Grade your team readiness for Part II: (1- still figuring what to do; 2- have the equations but not the VI; 3- have the VI and sub-VI with some errors; 4- VI and sub VI tested, ready to go)* Note: Office hours are M (12-4pm) and W(9am-1pm)
1 section 1				
2 section 1				
3 section 1				
4 section 1				
5 section 1				
6 section 1				
7 section 1				
8 section 1				
9 section 1				

10 section 1				

Section 2 (2:00 PM)

Team #	Brief descriptions of the problem your VI is solving. What are the inputs and outputs, units, range of values, etc.	Insert a snap shot of the Front Panel. Resize the figure to a height of 2in	Insert a snap shot of the Block Diagram. Resize the figure to a height of 2in	Grade your team readiness for Part II: (1- still figuring what to do; 2- have the equations but not the VI; 3- have the VI and sub-VI with some errors; 4- VI and sub VI tested, ready to go)* Note: Office hours are M (12-4pm) and W(9am-1pm)
1 section 2				
2 section 2				
3 section 2				
4 section 2				
5 section 2				
6 section 2				
7 section 2				
8 section 2				
9 section 2				
10 section 2				

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Section 1

Project 2 -part I P&D/ Teams	1	2	3	4	5	6	7	8	9	10
	Vehicle Loan	Capacitor Combination	Race Track	Ball Ramp	Salary and Taxes	Car Ramp	Ball Ramp and Motion at Different Times		Parachute	
Design -FP Ergonomic (10)	8	10	10	10	10	9	10		10	
Design -FP Correct Info (10)	10	10	10	10	10	10	10		8	
Design -BD Organ./Wiring (10)	9	9	8	10	9	9	9		10	
Design -BD Transparency (10)	9	10	8	10	9	9	9		10	
Requirements satisfied (10)	10	10	10	10	8	10	10		9	
Design Total (50)	46	49	46	50	46	47	48	0	47	0
Performance -Proficiency (20)	18	18	19	20	18	18	18		18	
Performance -Pract. App. (10)	10	9	10	10	10	10	9		10	
Performance -Complexity (10)	9	9	9	10	8	8	9		8	
Performance Total (40)	37	36	38	40	36	36	36	0	36	0
Presentation (15)	15	15	15	15	15	15	15	15	15	15
Raw total (105)	98	100	99	105	97	98	99	15	98	15
Total part I P&D (90)	84.00	85.71	84.86	90.00	83.14	84.00	84.86	12.86	84.00	12.86
Project 2 -part I P&D/ Teams	1	2	3	4	5	6	7	8	9	10

	Vehicle Loan	Capacitor Combination	Race Track	Ball Ramp	Salary and Taxes	Car Ramp	Ball Ramp and Motion at Different Times		Parachute	

Section 2

Project 2 -part I P&D/ Teams	1	2	3	4	5	6	7	8	9	10
Nov. 9, 2010	Box Down Incline	Kinematic Equations	Wing Lift	Potential Energy	Car Down Ramp	Burger Joint	Tracking Passengers from NY	Mortgage Calculator	Transportation with Multiple Drivers	
Design -FP Ergonomic (10)	10	10	10	10	10	10	10	10	10	
Design -FP Correct Info (10)	10	10	10	9	9	10	10	10	10	
Design -BD Organ./Wiring (10)	10	10	10	10	10	10	10	10	10	
Design -BD Transparency (10)	10	10	10	10	10	10	10	10	10	
Requirements satisfied (10)	10	10	10	10	10	10	10	10	10	
Design Total (50)	50	50	50	49	49	50	50	50	50	0
Performance -Proficiency (20)	20	18	20	20	18	18	18	18	18	
Performance -Pract. App. (10)	10	10	10	10	10	10	10	10	18	
Performance -Complexity (10)	9	8	9	10	9	8	7	10	7	
Performance Total (40)	39	36	39	40	37	36	35	38	43	0
Presentation (15)	15	15	15	15	15	15	15	15	15	
Raw total (105)	104	101	104	104	101	101	100	103	108	0
Total part I P&D (90)	89.14	86.57	89.14	89.14	86.57	86.57	85.71	88.29	92.57	0.00
Project 2 -part I P&D/ Teams	1	2	3	4	5	6	7	8	9	10

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LOGBOOK: example of a logbook page

-Use a quadrille notebook; number all pages; date all entries
-Write your notes for all activities, thoughts, problems and solutions, and learning conclusions related to Engin 103. You should write down progress, outcomes, and conclusions on projects and teamwork; conclusions from class work (including LabVIEW) and homework.
-In addition you should answer in the logbook all questions listed in these notes in blue, as shown below:

37) Describe at least two LabVIEW elements not included in your team's VI but used in other teams' VI's.
38) Specify the inputs and outputs, with clear details including equations to obtain the outputs from the inputs, for your team Virtual Instrument to be presented as Part II of Project 2. List what LabVIEW elements will be used in the Block Diagram, how many times a subVI will be called in, and what elements will be included in the sub-VI, use LabVIEW terminology.

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