Engin 103 Nov 6, 2008 back to e-syllabus	Topics: Project 2 Part II Presentations Estimations Logbook questions

Project 2 Part II Presentations

Team #	Brief descriptions of your VI presented in part II	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	Insert a snapshot of the Block Diagram of the most important sub VI. Resize the figure to a height of 2in
1				
2				
3				
4				
5				
6				
7				
8				
10				

Fall '08

Project 2 -part I/ Teams	1	2	3	4	5	6	7	8	10
Project completed (35)	35	35	35	35	35	35		35	35
Choice of problem (15)	12	12	13.5	12	13.5	13.5		12	13.5
Performance (LabVIEW elements)(25)	20	20	25	20	20	22.5		25	22.5
Presentation (12.5) and web page (12.5)	12.5	12.5	12.5	12.5	12.5	12.5		12.5	12.5
Total part I (100)	79.5	79.5	86	79.5	81	83.5	0	84.5	83.5

Project 2 -part II/ Teams	1	2	3	4	5	6	7	8	10
Project completed (35)									
Choice of problem (15)									
LabVIEW elements and subVI's (25)									
Presentation (12.5) and web page (12.5)									
Total part II(100)									
Total Project 2 Pres. (200)	80	80	86	80	81	84	0	85	84

back

Estimation

HW 3

Mass of air through your lung each day:

-Start with some fact: air density (in SI units: kg/m^3)
-Estimate volume of thorax cavity (how? - approximate by a rectangular chamber whose volume is length*width*depth)
-Estimate how many times you breathe in per minute, then per a day
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Number of books checked out at Healey Library a week:

-Fact: number of students, zooming in on which students would check out books from the library
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back

back

back

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) Explain any similarity between a sub-VI and a "super-operator". What are the advantages and disadvantages of using a "super-operator" a)in computer programming b) in mathematics

38) Insert a snapshot of the Front Panel and Block Diagram of your team VI for Part II of Project 2, explain why the different elements were used. Also do the same for any sub-VI created and used in Part II.

back