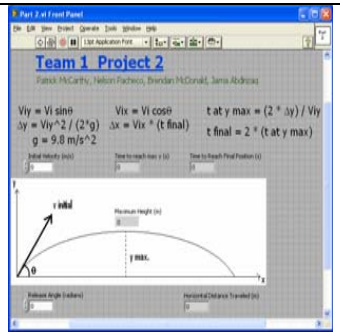
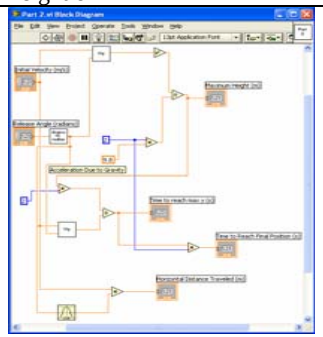
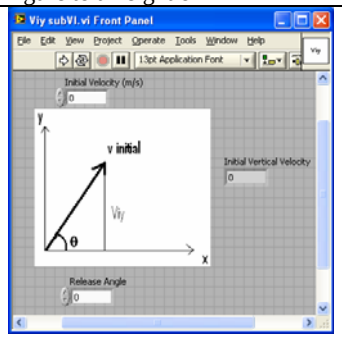
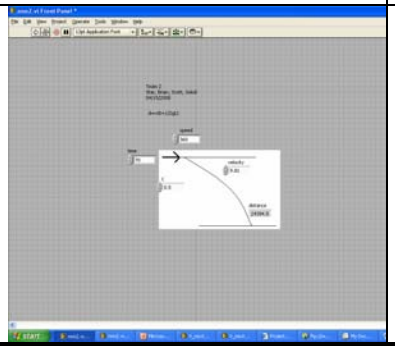
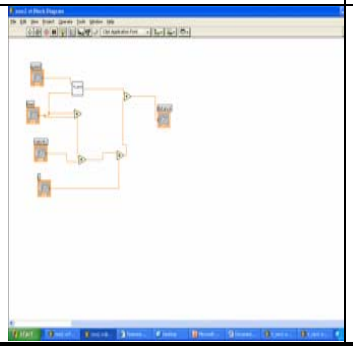
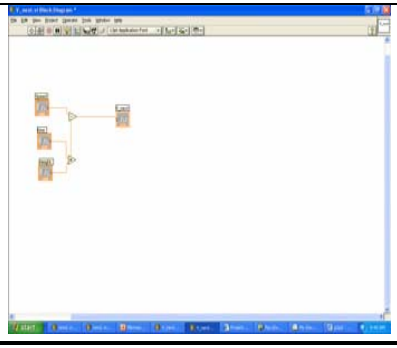
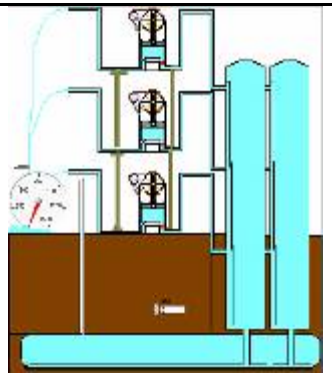
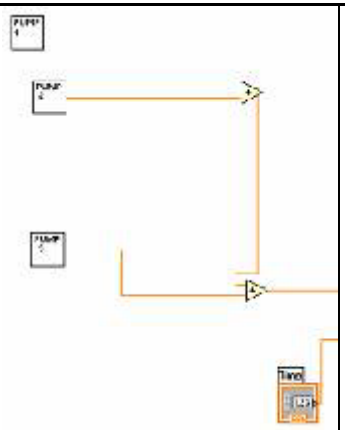
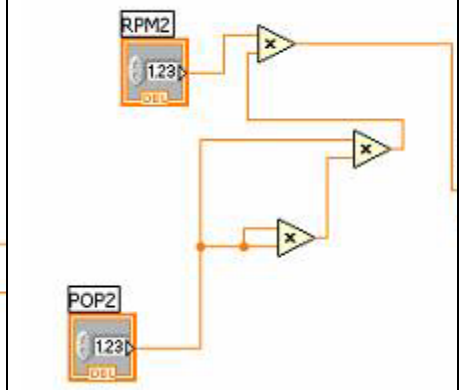
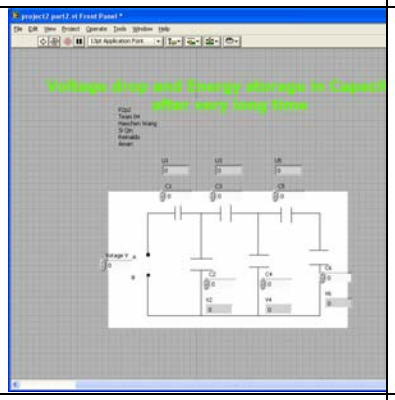
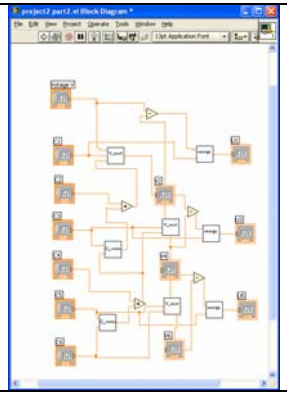
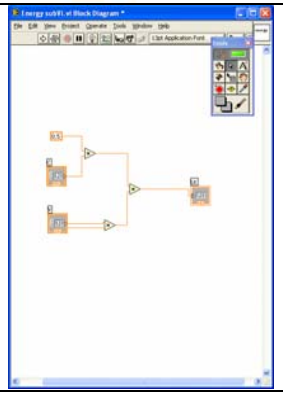
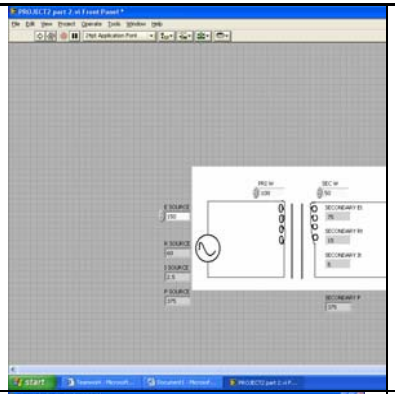
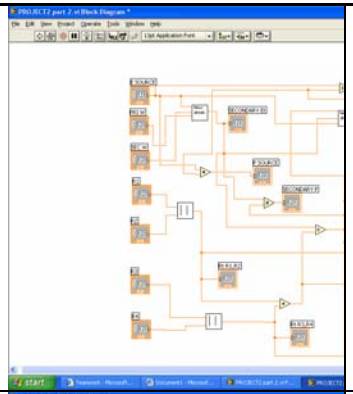
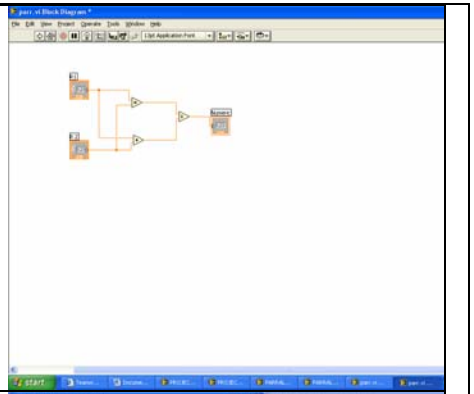
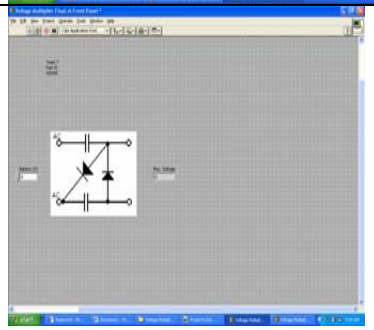
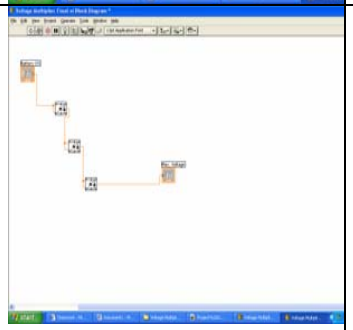
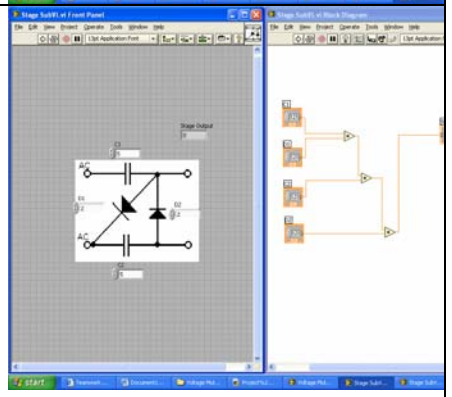
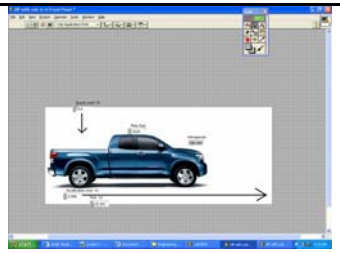
Engin 103 April 10, 2008 back to e-syllabus	Topics: Project 2 Part II Presentations Logbook questions

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	The VI we designed uses the inputs of initial release velocity of a projectile and its release angle to determine the maximum height it reaches, the horizontal distance it travels, and the time taken to reach each point.			
2	We did the falling object from a moving plane to calculate the distance that the object fell. D=v0t+1/2gt2			

3	For Project 2 part 2 Team 3 created a water pump. The problem that we tried to solve is how much water is pump out in a certain allotted time.			
4	Capacitor in combination			
5				

	6	We designed an AC series parallel circuit involving a 100% efficient transformer.			
	7	This VI we worked with Voltage Multiplier Is an electrical circuit that converts alternating current electrical power from the lowest to the highest optimal direct current voltage using: Diodes and Capacitors **V*max* = V*min* = (2)(N*stages*)** The purpose of this VI by starting With a very low Voltage and then the output will be a very high voltage.			

8	The subVIs that we use is MPH and Mass (kg). MPH was broken down using velocity and the weight in pounds was converted to kg			
10				

back

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