

ProjectX - INTERNAL ASSESSMENT

Title of the ProjectX: PX001 – BALANCING A DIRECT DRIVE FAN.

School writing: Xabec

School testing: Xabec

A. PRESENTATION

	Opinion (thick)		Proposal / Comment
Student		X	It is clear and concise
			
Teacher		X	It is correct
			

B. THEORETICAL KNOWLEDGE

	OBJECTIVE			REFERENCE		
Student		X	The 3 objectives were necessary, from the vibrometer to the theory on simple harmonic motion. Although, not much theory is required if one follows the steps of the method.		X	The annex is well done
						
Teacher		X	Vibration -as harmonic movement- is the base of this method. Its knowledge increases the base for further student's higher skills in the future.		X	Some parts are not clear
						

ACTIVITIES

	ACTIVITY			REFERENCE		
Student			Require a lo effort , and it is not necessary for the balanced		X	Documentation is correct
		X				
Teacher		X	The questionnaire and multiple choice test will be corrected after work. Students have to do the problem by themselves		X	Documentation is correct
						



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C. PRACTICE – PRATICAL DETAILS

Brief description of the practice

	Opinion (thick)		Proposal / Comment
Student			It could be more extensive. Being so short it is hard to understand
		X	
Teacher		X	Lists any stage required during equilibration
			

Practical activities

STEP 1	Opinion (thick)		Proposal / Comment
Student		X	It is correct
			
Teacher		X	It is correct
			

STEP 2	Opinion (thick)		Proposal / Comment
Student		X	It is correct
			
Teacher		X	It is correct
			

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STEP 3	Opinion (thick)		Proposal / Comment
Student		X	It is correct
			
Teacher		X	It is correct
			

STEP 4	Opinion (thick)		Proposal / Comment
Student		X	It is correct. With the help of theory and the teacher, it is easy to calculate the balance weight
			
Teacher			It should include both: - how the equipment is disassembled focus on mechanical safety conditions and - how the balance weight is fixed
		X	

STEP 5	Opinion (thick)		Proposal / Comment
Student		X	It is correct
			
Teacher			It should include how to assemble the equipment and the restart procedure (focus on electrical and mechanical safety conditions)
		X	

STEP 6	Opinion (thick)		Proposal / Comment
Student		X	It is correct. Theory annex gathers each and every step.
			
Teacher			It is correct. It should include how the equipment is disassembled focus on mechanical safety conditions. Also, the way to remove the balance weight and how to place it back
		X	



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STEP 7	Opinion (thick)		Proposal / Comment
Student		X	It is correct. Theory annex gathers each and every step.
			
Teacher			It should include how to assemble the equipment and the restart (focus on electrical and mechanical safety conditions)
		X	

STEP 8	Opinion (thick)		Proposal / Comment
Student		X	It is correct. Theory annex gathers each and every step.
			
Teacher		X	It is correct.
			

STEP 9	Opinion (thick)		Proposal / Comment
Student		X	It is correct. Theory annex gathers each and every step.
			
Teacher		X	It is correct, because disassembly of the fun and the way to remove and re-set the weight should have been already covered
			

STEP 10	Opinion (thick)		Proposal / Comment
Student			I should have a form to request specific information
		X	
			Include a form for the final report (recording data sheet)



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Teacher		X	
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General commentary

Student

It was very interesting to carry out this project because you really learn to balance an industrial fan.

Furthermore, it is a very important task of maintenance in many industries