

“Course name”

“Course Number”

“Lab titile”

“Instructors names”

“Group number”

*Section 1: General Lab Info /0.5 points*

“student name”

“Hand in Date”

“Lab Due Date”

1. Group Member 1 - Name Last\_name (Me) ……….……………………….

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1. Group Member 2 - Name Last\_name ……….….……….

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*Section 2: Contributions /1 points*

*Section 3: Purpose /0.5 points*

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1. Group Member 3 - Name Last\_name ……….….……….

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* ……device name , model number, version, basic feature (operating voltage)……..
* ……device name ,model number, version, basic feature (operating voltage)……..
* ……device name , model number, version, basic feature (operating voltage)……..

*Section 4: Introduction /0.5 points*

*Section 5: Materials, Devices and Instruments /0.5 points*

* ……device name , model number, version, basic feature (operating voltage)……..
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*Section 6: Schematics /0.5 points*

**Hardware design:**

* what principles did you use to make your analog circuit?
* how did you hook-up your wires and why?
* operating voltages , outputs and input pins ?

*Section 7: Lab Methods and Procedure /2 points*

* what circuit theory did you use to design your circuit ?

**Software design:**

* Which device modules did you configure with your code
* How did you configure your device (device modules ADC, PWM, etc )
* Explain your application logic of your main program

- Use references or code pieces expelling its purpose and functionality

- provide Program flow-chart (highly recommended)

- demonstrate the most important part of the program and explain basic functions in detail.

*Section 8: Trouble Shooting /1 points*

***Issue 1:***  ……….. we experienced with this issue …………

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We solved the issue doing this …….…….

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***Issue 2:* ………..** we experienced with this issue **…………**

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We solved the issue doing this …….…….

*Section 9: Results /0.5 points*

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***Issue 3:* ………..**  we experienced with this issue **…………**

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We solved the issue doing this …….…….

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“Charts..”

“Measurement Tables”

“Terminal Screenshots”

“Short explanation of each element you post here”

“How did you test your output signal - post a oscilloscope picture of your signal and explain”

A1.

“piece of code”

A2.

“piece of code”

A3.

*Section 10: Appendix*

“piece of code”

A4.

“reference from a web link”