GUIDELINES FOR INDIVIDUAL PROJECT WORK
FOR BASIC ELECTRONICS CIRCUIT TRAINER TEAM MEMBERS

General rules:
Font size: 12
Font style: New Times Roman
Alignment for write up body: Justify
Line spacing: double except for naming for figure naming and its source (this should be single). Check page 6 of this doc.
Paragraph: whichever type of paragraph you prefer should be maintained throughout the write-up
N.B: no bullet points allowed. Please, use numberings instead. (e.g 1,2,3…. Or i.ii,iii…. Or a,b,c… etc)

CHAPTERS:

Chapter One
Introduction

(Should be written in this style for all chapters)

1.1 Background of the Study
The first and second paragraph can be copied and pasted in your work but the third paragraph should be remodeled to bring focus to your specific topic. Please, don't forget to include in-text citations and include the references at the end of the document.

1.2 Research Problem
You can copy and paste that which is in the general work to your own.

1.3 Aim and Objective of the Study
You can copy and paste that which is in the general work to your own.

1.4 Significance of the Study
You can copy and paste that which is in the general work to your own.

1.5 Scope and Limitations of the Study
Bring the focus to your own work following the pattern in the general work

1.6. Definition of key Concepts
Define key words and concepts related to your work

1.7 Organization
You can copy and paste that which is in the general work to your own so long the arrangement tallies with what you hope for yours to look like.

Chapter Two

Literature Review

2.1 History and Development
You can copy and paste that which is in the general work to your own, but include here and there your specific work's history and development

2.2 - 2.(any length of your choice)

Break down your topic completely, explain the all concept from scratch. Include diagrams, equations, and in-text citations.(Please, don't forget to always put the reference to the citation at the end of your document as you work)

2.(.....) Review of Related Works

Review a couple of works that are in relation with your own but make sure none that you are reviewing is better than yours. Include diagrams (if possible the picture of the completed work of similar trainers), and in-text citations. Please, don't forget to always put the reference to the citation at the end of your document as you work.

Chapter Three

Materials and Methods

3.1 Working Principle of the Basic Electronics Circuit Trainer

This should center around your topic

3.2 Methodology

You can copy and paste that which is in the general work to your own

3.2.1. Power Supply

You can copy and paste that which is in the general work to your own

3.2.(...)

this should be centered on your work

3.3 Block Diagram

The block here and explanation should be centered around the block pertaining to your work

3.4 Description of Components Used

You can copy and paste that which is in the general work to your own

Chapter Four

Test and Results

To be continued…….

However, previous works by colleagues can be looked into to get a better understanding of this chapter.

Chapter Five

Conclusion

5.1 Summary

This should be the summary of your specific project work

5.2 Conclusion

5.3 Recommendations

This is how the table of content should look like:

TABLE OF CONTENTS

This is how the list of tables and figures should look like:

LIST OF FIGURES

LIST OF TABLE

This is how the equations and numbering the equation should look like:

$$\xi''(\tau) + x_a\alpha''(\tau) + 2\zeta_\xi \frac{\bar{\omega}}{U}\xi' + \left(\frac{\bar{\omega}}{U}\right)^2 F(\xi) = p(\tau) \qquad \text{Equation 2.1}$$

$$\frac{x_a}{r_{\alpha_a}^2}\xi''(\tau) + \alpha''(\tau) + 2\zeta_\alpha \frac{1}{U}\alpha' + \left(\frac{1}{U}\right)^2 M(\alpha) = r(\tau) \qquad \text{Equation 2.2}$$

This is how figure should be named and the in-text citation done, please, notice that the figure naming and the source as only a single line spacing:

2.5.1 Airfoil Nomenclature

The various terms associated with an airfoil are as follows:

i. Leading edge: It is the forward end of the airfoil that faces the free stream during flight.

ii. Trailing edge: It is the rearward end of the airfoil.

iii. Chord line: This is the straight linkjoining the leading and the trailing ends. It can simply be called chord (Thakur, 2015; Garg and Soni, 2016).

2.5.2 Aerodynamic Forces on an Airfoil

A simpleillustration of aerodynamic forces can be obtained from the movement of a wing, based only on the modest idea that an airfoil produces an upward force proportional to its angle of attack with respect to the airstream. The position on the chord where the resultant force will have an effect is called the centre of pressure, as shown in Figure 2.5.

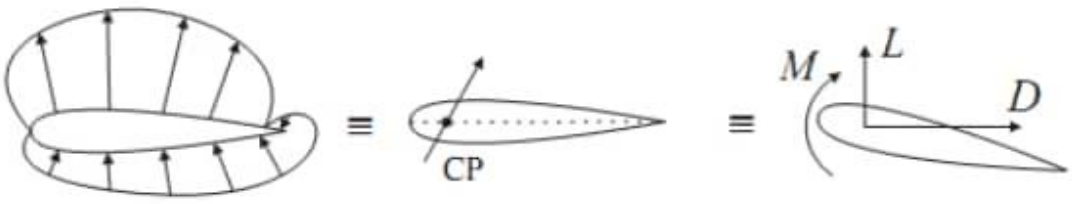
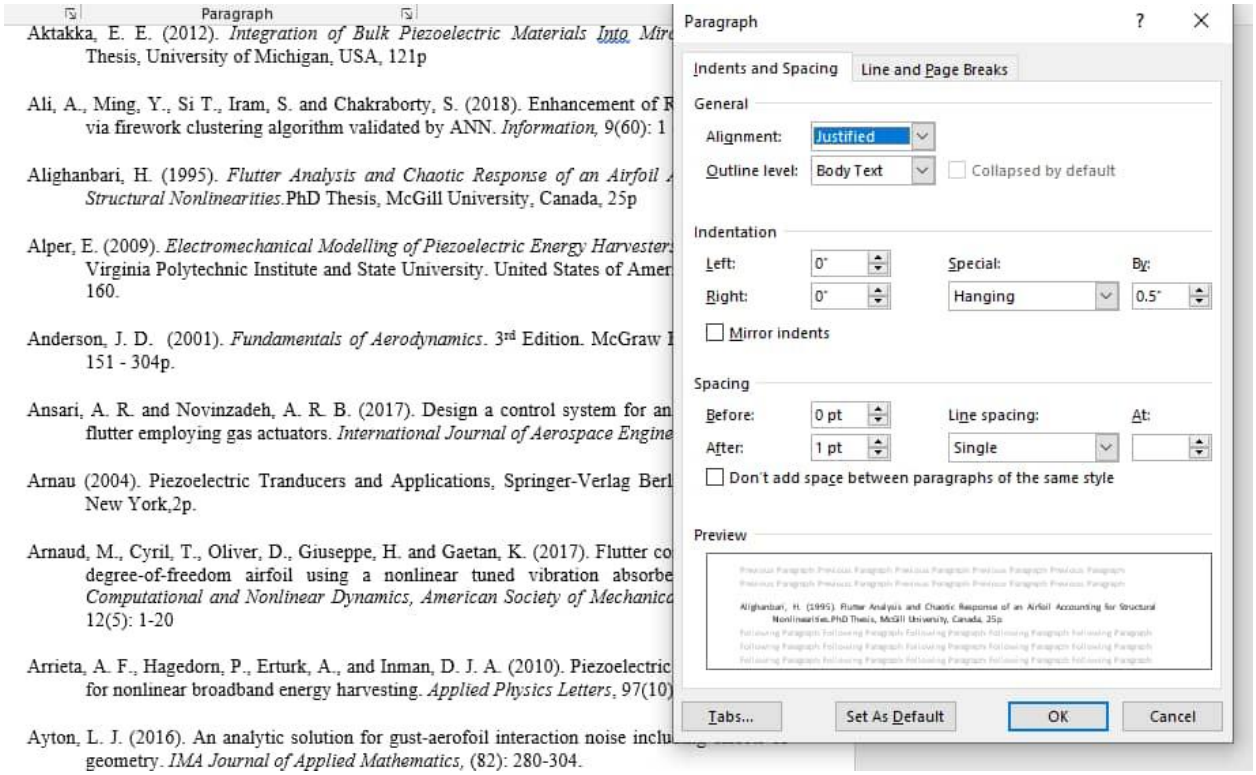


Figure 2.5: Resulting aerodynamic force acting at the centre of pressure.
Source: Qiao (2012).

The elements of this force vertical to the path of motion is called lift (L) and is mainly the

This is how the final referencing should:
In alphabetical order + the way to use microsoft word feature to accomplish the arranged is shown:



For tables in your work,they should look like this:

Table 2.1: Comparison of different transduction mechanisms of vibration energy harvesters

Mechanism	Benefits	Drawbacks
Piezoelectric	1.Doesnot require external voltage 2.Voltages between 2 to 10 V 3.Simple structure 4. No mechanical limitationsrequired 5.Compatible with MEMS	1. Poor mechanical characteristics 2. Charge leakage 3. Small output current
Electrostatic	1.Simplier to incorporate with electronics and micro-scale system 2.Voltage between 2 to 10 V	1.External voltage source needed 2.Mechanical stops needed 3. Low output current 4. High output impedance
Electromagnetic	1. No external voltage source. 2. No mechanical stops 3. High output current 4.High output power	1. Max. Voltage of 0.1V 2.Difficult to incorporatewith electronics and micro-scale system 3. Poor performance in microscale 4. Low output voltage 5. Bulky in size
Magnetostrictive	1.Ultra-high coupling coefficient 2. High flexibility 3. Suited to high frequency vibration	1. Non-linear effect 2. May need bias magnets 3.Difficult to integrate with microsystem

Source: Beeby *et al.* 2010; Kazmierski and Beeby (2011).

For referencing, two guides have been sent. Feel free to get better understanding online.
Reference format: APA Style

GOD BLESS US ALL.