

# **KANTIPUR ENGINEERING COLLEGE**

**(Affiliated to Tribhuvan University)**

**Dhapakhel, Lalitpur**



**[Subject Code: CT755]**

## **A MAJOR PROJECT FINAL REPORT ON PROJECT TITLE**

**Submitted by:**

**Member Name 1 [Roll/Symbol No.]**

**Member Name 2 [Roll/Symbol No.]**

**Member Name 3 [Roll/Symbol No.]**

**Member Name 4 [Roll/Symbol No.]**

**A MAJOR PROJECT SUBMITTED IN PARTIAL  
FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE  
OF BACHELOR IN COMPUTER ENGINEERING**

**Submitted to:**

**Department of Computer and Electronics Engineering**

**May, 2017**

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Nepal

**KANTIPUR ENGINEERING COLLEGE**  
**DEPARTMENT OF COMPUTER AND ELECTRONICS ENGINEERING**  
**APPROVAL LETTER**

The undersigned certify that they have read and recommended to the Institute of Engineering for acceptance, a project report entitled "Project Title" submitted by

Member Name 1      [Roll/Symbol No.]

Member Name 2      [Roll/Symbol No.]

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Member Name 4      [Roll/Symbol No.]

in partial fulfillment for the degree of Bachelor in Computer Engineering.

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Second Line of Designation (if required)

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External's Designation  
Second Line of Designation (if required)

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Er. Rabindra Khati  
Head of Department  
Department of Computer and Electronics Engineering  
  
Date: May 15, 2017

# ABSTRACT

Write Abstract Here. Ea nam ridens putent aliquid, id cibo dignissim vulputate mel, ei latine argumentum reprehendunt vis. Etiam legere laboramus est id. Brute dolorem volutpat ne pro, mei in consetetur reprimique. Modus consul impetus et vis. Eripuit officiis vis id, pri ei dolorem fierent conclusionemque. Id ponderum salutatus mea.

Second para of Abstract. Sit ex quodsi pertinax. Ad eam debet admodum, ad tamquam perfecto sed, malis mollis efficiendi sea id. Iusto causae philosophia mei cu, sea aperiam oblique ne. Mei altera aliquam antiopam id. Cum sint evertitur et. Your Abstract ENDS here.

**Keywords**— Keyword 1, Keyword 2...

## ACKNOWLEDGMENT

Write Acknowledgment Here. Ea his munere torquatos, quidam essent luptatum cu pro. Ei duo scaevola electram. Vidit percipitur ut vim, ne his solet prodesset inciderint. Cum facilisi sententiae at, vis noster electram contentiones cu. Nec at eius novum diceret.

Second para of Acknowledgment. Sed veri aequae persecuti ut. Ut accusam mediocrem accusamus eos, quis clita probatus ex his. Mea oratio deleniti interesset at. Odio melius antiopam eu his, ut nec tantas maiestatis ullamcorper. Ut numquam reprimique cum. Acknowledgement ENDS here.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Background

Background of your Project. Lorem ipsum dolor sit amet, diam posidonium efficiantur pri ex, qui aliquip convenire an. Vim falli vivendum ei. Ei per congrue sanctus pericula. Mei id tollit mentitum corrumpit. Ad paulo quaerendum eam, meis delenit concludaturque ea nec.

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### **1.1.1 Referring Section**

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## CHAPTER 2

### FIGURES AND TABLES

#### 2.1 Section for Sample Figure

Partem graece mucius est ei, usu ex facilis dissentiet, probo prodesset scriptorem ius ea. Ne mei essent splendide, case tritani duo ei. Eam ne stet feugiat albucius. Ne diam dicant viderer eam, at pri minim vivendo periculis, in vix commodo invidunt. In eum omnis vocent aperiarn. Sit prima atqui splendide ad, singulis recusabo quaerendum at his, enim eligendi forensibus ea eam.

Sed veri aequae persecuti ut. Ut accusam mediocrem accusamus eos, quis clita probatus ex his. Mea oratio deleniti interesset at. Odio melius antiopam eu his, ut nec tantas maiestatis ullamcorper. Ut numquam reprimique cum.



Figure 2.1: The Sample Image One

##### 2.1.1 Referring Figure

This is an example where Figure 2.1 of page 5 is referenced. Detracto suavitate id per, no est putent accusata quaestio, purto quaeque oporteat ei sea. Id eam erat affert, ex has summo inimicus partiendo. Option aliquam imperdiet ius ex. Efficiendi omittantur in mea, id usu tacimates rationibus. Ei accusamus dissentias vix, eos aperiarn percipit id.

Mea cu vitae noluisse. Tation eirmod iracundia sea no, duo no aliquando elaboraret.

Qui ut legere mucius, dolore efficiendi definitionem quo ex. Usu te falli similique positionum, eum eu dicat aeterno phaedrum, te paulo deleniti ius. Pro te aliquam platonem, eos ea dolore phaedrum. Graece honestatis sit at, nec id ubique legendos.

## 2.2 Section for Sample Table

Prompta albucius ne vel. Has te intellegat definitionem, vim duis animal adipiscing ei. At qui iisque accusata, id his possim nominati. Ne agam dissentias eos, dico vivendo percipit ut mea.

Table 2.1: Table Example

x	3	4	5	5	5
f(x)	111	22	30	40	500

### 2.2.1 Referring Table

This is an example where Table 2.1 of page 6 is referenced. Detracto suavitate id per, no est putent accusata quaestio, purto quaeque oporteat ei sea. Id eam erat affert, ex has summo inimicus partiendo. Option aliquam imperdiet ius ex. Efficiendi omittantur in mea, id usu tacimates rationibus. Ei accusamus dissentias vix, eos aperiam percipit id.

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suavitate id per, no est putent accusata quaestio, purto quaeque oporteat ei sea. Id eam erat affert, ex has summo inimicus partiendo. Option aliquam imperdiet ius ex. Efficiendi omittantur in mea, id usu tacimates rationibus. Ei accusamus dissentias vix, eos aperiam percipit id.

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## 2.3 Complex Table from Excel

Complex tables can be created in MS-Excel and latex code for the table can be generated using "excel2latex" add-in. An example of a complex table is shown in Table 2.2 in page 8

you can download excel2latex add-in from

<https://www.ctan.org/tex-archive/support/excel2latex>

Some extra packages are required. like bigstrut, multirow etc. Mea cu vitae noluisse. Tation eirmod iracundia sea no, duo no aliquando elaboraret. Qui ut legere mucius, dolore efficiendi definitionem quo ex. Usu te falli similique posidonium, eum eu dicat aeterno phaedrum, te paulo deleniti ius. Pro te aliquam platonem, eos ea dolore phaedrum. Graece honestatis sit at, nec id ubique legendos. Detracto suavitate id per, no est putent accusata quaestio, purto quaeque oporteat ei sea. Id eam erat affert, ex has summo inimicus partiendo. Option aliquam imperdiet ius ex. Efficiendi omittantur in



Table 2.2: Complex table converted from Excel using excel2latex

SN	Col 1	Col 2	Col 3		Col 4
1	Merged Cells 1		a	b	e
2			c	d	f
3	Merged Cells 2				
4	abc	Merged Cells 3	a1	a2	
			a3	q	
			a4		as
5	a11				qq
			Merged		

mea, id usu tacimates rationibus. Ei accusamus dissentias vix, eos aperiam percipit id.

Mea cu vitae noluisse. Tation eirmod iracundia sea no, duo no aliquando elaboraret. Qui ut legere mucius, dolore efficiendi definitionem quo ex. Usu te falli similique positionum, eum eu dicat aeterno phaedrum, te paulo deleniti ius. Pro te aliquam platonem, eos ea dolore phaedrum. Graece honestatis sit at, nec id ubique legendos. Detracto suavitate id per, no est putent accusata quaestio, purto quaeque oporteat ei sea. Id eam erat affert, ex has summo inimicus partiendo. Option aliquam imperdiet ius ex. Efficiendi omittantur in mea, id usu tacimates rationibus. Ei accusamus dissentias vix, eos aperiam percipit id.

Mea cu vitae noluisse. Tation eirmod iracundia sea no, duo no aliquando elaboraret. Qui ut legere mucius, dolore efficiendi definitionem quo ex. Usu te falli similique positionum, eum eu dicat aeterno phaedrum, te paulo deleniti ius. Pro te aliquam platonem, eos ea dolore phaedrum. Graece honestatis sit at, nec id ubique legendos.

# CHAPTER 3

## EQUATIONS

### 3.1 Basics of Equations

Mathematical expression within text can be written as  $y = mx + c$ . In separate line as

$$ax + by + c = 0$$

Some latex mathematics examples:

Superscript:

$$x^3$$

$$x^3$$

$$x^{3x+4}$$

$$x^{3x+4^4+5}$$

Subscript:

$$x_{13}$$

$$x_{12}$$

$$x_{123}$$

Greek letters

$$\pi$$

$$\alpha$$

$\alpha A \beta \beta B \delta \gamma \vartheta \Theta \phi \varphi \Phi$  trigonometric:  $y = \sin(\pi)$  Log:  $y = \log(\pi)$   $y = \ln(\pi)$   
 $y = \log_{10}$  Square root:  $\sqrt{2}$   $\sqrt[3]{4}$   $\sqrt{x^2 + y^2}$   $\sqrt[3]{x^2 + y^2}$   $\sqrt{\sqrt[3]{x^2 + y^2}}$  Fraction: About  $\frac{2}{3}$   
of the class is full. About  $\frac{2}{3}$  of the class is full. About  $\frac{2}{3}$  of the class is full. About  
 $\frac{\sqrt{\sqrt[3]{x^2 + y^2}}}{\sqrt{x^2 + x + 1}}$  of About  $\frac{2}{1 + \sqrt{\sqrt[3]{x^2 + y^2}}}$  of the class is full.

Reserved characters:  $\{a, b, c\}$  \$20 10%of100is100 10 % of 100 is 100

Braket Style:  $3(\frac{2}{3})$   $3\left(Hello(\frac{2}{3})\right)$   $3\left\{Hello(\frac{2}{3})\right\}$   $3\left\{Hello(\frac{2}{3})\right. 3Hello(\frac{2}{3})\left.\frac{dy}{dx}\right|_{x=1}$   $( ( ( ($   
 $\left( 3(\frac{2}{3}) 3\left(\frac{2}{3}\right)\right)$

Equation:

$$E = mc^2 \tag{3.1}$$

$$E = mc^2$$

$$E = mc^2$$

$$E = mc^2 \tag{3.2}$$

$$E = mc^4 \tag{3.3}$$

$$E = mc^7 \tag{3.4}$$

$$E = mc^2$$

$$E = mc^4$$

$$E \approx \pm (mc^7 + 3)$$

$$E \approx \pm (mc^7 + 3)$$

$$E \; = \; mc^2 \tag{3.5}$$

$$E \; = \; mc^4$$

$$E \; \approx \; \pm (mc^7 + 3) \tag{3.6}$$

Limit:  $\lim_{x \rightarrow a} f(x)$

$\lim_{x \rightarrow a} \frac{f(x) - f(a)}{x - a} = f'(a)$  Integration:  $\int$

$\int (\sin x \, dx =)$

$$\int (\sin x \, dx) = \int_a^b (\sin x \, dx) = \int_a^b x^2 \, dx = \left[ \frac{x^3}{3} \right]_a^b$$

Summation:  $\sum_{n=1}^{10} \int_a^b f(x) \, dx = \lim_{x \rightarrow \infty} \sum_{K=1}^{10} f(x_k) \cdot \delta x$

## 3.2 Referencing the Equation

The Equation can be referenced using labels. example Equation 3.2 of page 10 is referenced here. LaTeX is the de facto standard for the communication and publication of scientific documents. LaTeX is available as free software.

## CHAPTER 4

### LISTING EXAMPLES

Here are some examples of listing

#### **Ordered List Technique:**

Listing Technique 1:

1. Pencil
2. Paper
3. Calculator
4. Notebook
  - (a) Assignment
    - i. Test
      - A. Test 1
      - B. Test 2
    - ii. Quiz
  - (b) Classwork

Listing Technique 2:

- Pencil
- Paper
- Calculator
- Notebook
  - Assignment
    1. Test
      - \* Test 1
      - \* Test 2
    2. Quiz
  - Classwork

Listing Technique 3:

1. Pencil
2. Paper

3. Calculator

4. Notebook

A Assignment

I Test

i Test 1

ii Test 2

II Quiz

B Classwork

## 4.1 The Subsections

LaTeX is a document preparation system for the communication and publication of scientific documents.

It is most often used for medium-to-large technical or scientific documents but it can be used for almost any form of publishing. as said in 1.1 of page no. 1 LaTeX is the de facto standard for the communication and publication of scientific documents. LaTeX is available as free software.

### The subsection

LaTeX is a document preparation system for the communication and publication of scientific documents.

It is most often used for medium-to-large technical or scientific documents but it can be used for almost any form of publishing.

LaTeX is the de facto standard for the communication and publication of scientific documents. LaTeX is available as free software.

**The paragraph** LaTeX is a document preparation system for the communication and publication of scientific documents.

It is most often used for medium-to-large technical or scientific documents but it can be used for almost any form of publishing.

**The subparagraph** LaTeX is a document preparation system for the communication and publication of scientific documents.

It is most often used for medium-to-large technical or scientific documents but it can be used for almost any form of publishing.

## CHAPTER 5

### EXAMPLE ABBR AND SYMBOLS

#### 5.1 Abbr

Here is an example of writing abbreviations ABC is abbr of Annapurna Base Camp UN is abbr of United Nations

#### 5.2 Symbols

Now the symbol  $\alpha$  is the Transparency Factor  $a$  is abbr of Area of Triangle Note that only those abbrs and bymbols that are included in the text will be listed in List of Abbr/Symbols.



# CHAPTER 6

## CITATION EXAMPLE

### 6.1 Citation and compiling bib file

This is an example of citing texts [?]. This is second citation [?] The first cited reference will be numbered "1", second "2" and so on. Only those cited in the document will be listed in the reference section.

Note that to compile documents with reference correctly, you need to follow following steps:

1. Run pdfLatex (or Quick build)
2. Run Bibtex
3. Run pdflatex 2 times

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# APPENDIX

Appendix Text Comes Here