

# **Practicum Report Title**

A Practicum Report Submitted By

**Student\_Name**

Student\_ID

In Partial Fulfillment of the Requirements for the Award of  
**Bachelor of Computer Science and Engineering**



**Department of Computer Science and Engineering**

College of Engineering and Technology

IUBAT – International University of Business Agriculture and Technology

**Fall 2017**

## Practicum Report Title

Student Name

A practicum report submitted in partial fulfillment of the requirements for the degree of  
Bachelor of Computer Science and Engineering (BCSE)

The practicum has been examined and approved,

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Prof Dr Md Abdul Haque  
Chair and Professor  
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IUBAT – International University of Business  
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Department of Computer Science and Engineering  
College of Engineering and Technology

IUBAT – International University of Business Agriculture and Technology

Fall 2017

# **Abstract**

Abstract text starts here. Use 250 (Minimum) ~ 500 (Maximum) words for writing Abstract. Here, write the learning objectives, what did you do and how did you do it as well as the learning outcomes of the practicum study.

Please do not include graphs, charts, tables, or illustrations in the abstract.

Use Times New roman, font-size 12, and Line-space 1.5. While writing the letters, abstract, body of the text report, and so on; please take care of align text to both the left and right margin, adding extra space between words if necessary (i.e. use justify from the paragraph tab in MS word).

Before going to the main body of your practicum report, make sure all the pages are numbered with Roman-number (i.e. I, II, III and so on). Use different first page from the options.

# **Letter of Transmittal**

Use Times New roman, font-size 12, and Line-space 1.5. Please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

## **Student's Declaration**

Use Times New roman, font-size 12, and Line-space 1.5. Please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

# **Acknowledgements**

Use Times New roman, font-size 12, and Line-space 1.5. Please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

**Dedication (if any)**

## **Supervisor's Certification**

Use Times New roman, font-size 12, and Line-space 1.5. Please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).



# **Department Certification**

Use Times New roman, font-size 12, and Line-space 1.5. Please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

# Table of Contents

The Table of Contents (ToC) can be inserted automatically here if you have used the appropriate styles for section, chapter titles, and for subheadings. In Word, you can check what will appear in the TOC by viewing in “Outline” mode, suppressing body text. Use Times New roman, font-size 12, and Line-space 1.5.

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# List of Figures

Prepare the list of figures by using ‘Insert Table’ options in MS word. Use font-size 12, Spacing (before => 2 and after => 2.) and Line-space 1.5.

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## List of Tables (if any)

Prepare the list of tables by using ‘Insert Table’ options in MS word. Use font-size 12, Spacing (before => 2 and after => 2.) and Line-space 1.5.

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# **Chapter 1**

## **Introduction**

The main body of your practicum report begins with the Chapter 1 title page. Therefore, the page number should start with natural number (i.e. 1, 2, 3..) from that page and will be continued up to the end of report.

In every chapter, write down the chapter overview before starting the subsections. For writing the report chapters, please follow the subsections format as shown below:

## **1.1 Communications**

Use font-size 12 and Line-space 1.5. Please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

## **1.2 Basic elements of communication System**

There are four basic elements present in every communication system.

### **1.2.1 Sending and Receiving devices**

Use font-size 12 and Line-space 1.5. While writing the application, abstract, body of the text report, and so on; please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

### **1.2.2 Communication Channel**

Use font-size 12 and Line-space 1.5. While writing the application, abstract, body of the text report, and so on; please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

## **1.3 Communication Channel**

Use font-size 12 and Line-space 1.5. While writing the application, abstract, body of the text report, and so on; please take care of align text to both the left and right margin, adding extra space between words as necessary (i.e. use justify from the paragraph tab in ms word).

## 1.4 Creating Table

Here is an example table. Note that the caption is above the table.

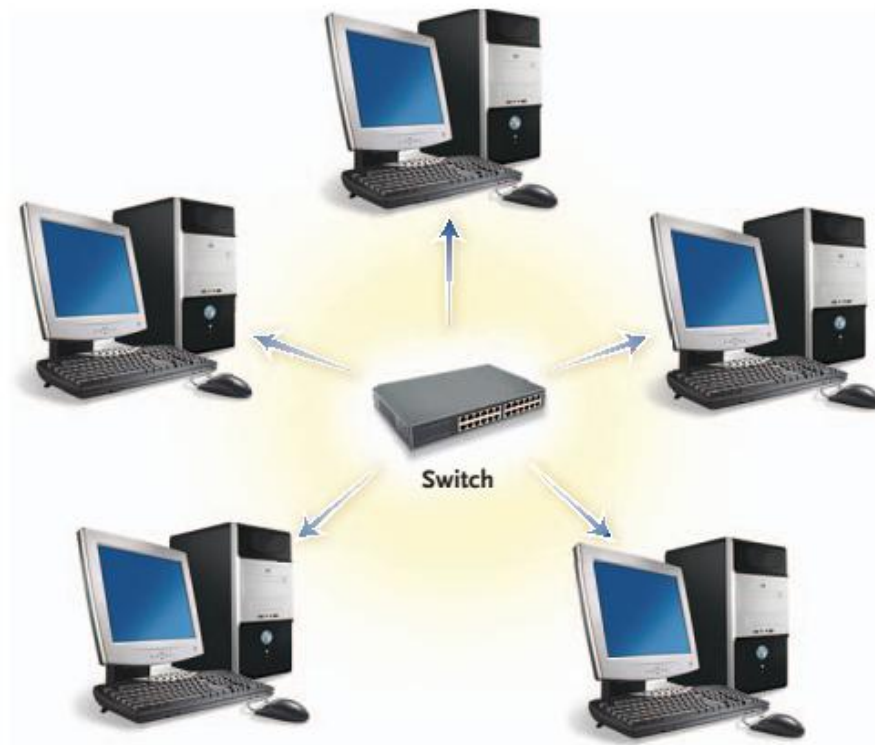
Note that the table borders are not black, but gray.

**Table I.** This is a caption for a table

Column Title 1	Column Title 2	Column Title 3	Column Title 4	Column Title 5

## 1.5 Creating Figure

Here is an example figure. Note that the caption is below the figure.



**Figure 1.1** An example of star topology

## 1.6 How to cite references

A computer is a device that can be instructed to carry out arbitrary sequences of arithmetic or logical operations automatically [8]. *Note: Definition for computer is used here that has taken from reference number 8.* Prepare the references list by following the reference format (i.e. references for book, conference, journal, website, and so on.).



# References

- [1] T. M. Cover and J. A. Thomas, *Elements of Information Theory*, 2nd Edition, Wiley, New York, 2009.
- [2] Thuy Nguyen and Grenville Armitage, “A survey of techniques for Internet traffic classification using machine learning,” *IEEE Communications Surveys and Tutorials*, vol. 10, no. 4, pp. 56-76, November, 2008.
- [3] H. Trussell, A. Nilsson, P. Patel and Y. Wang, “Estimation and detection of network traffic,” in *Proc. of 11th Digital Signal Processing Workshop*, pp. 246-248, January 12-16, 2004.
- [4] Anthony McGregor, Mark Hall, Perry Lorier and James Brunskill, “Flow clustering using machine learning techniques,” in *Proc. of 5th Int. Workshop on Passive and Active Network Measurement*, pp.205-214, June 2-7, 2004.
- [5] Sebastian Zander, Thuy Nguyen and Grenville Armitage, “Self-learning IP traffic classification based on statistical flow characteristics,” in *Proc. of 6th Int. Workshop on Passive and Active Measurement*, pp.325-328, March 23-27, 2005.
- [6] Sebastian Zander, Thuy Nguyen and Grenville Armitage, “Automated traffic classification and application identification using machine learning,” in *Proc. of IEEE Conf. on Local Computer Networks*, pp.250-257, February 11-12, 2005.
- [7] MATLAB. url: <https://en.wikipedia.org/wiki/MATLAB>
- [8] Computer Definition. url: <https://en.wikipedia.org/wiki/Computer>

### **Few more important points for preparing your report:**

- Select the **Normal** Margins from page layout
- To write abstract, use 250 to 500 words
  - Write the learning objectives, what did you do and how did you do it?, learning outcomes of the practicum study.
- Full report should use the standard font: **Times New Roman**
- Report related figures must be centered in the document.
  - Figure-numbers should be cited chapter-wise. For example: First figure of chapter 2 is **Figure 2.1**. Use an appropriate figure title with the figure number.
  - A proper explanation for each of the figure should present in the appropriate paragraph.
- Report related tables must be centered in the document.
  - Table-numbers should be marked with the roman number. For example, **Table I.** Use an appropriate table title with the Table number.
  - A proper explanation for each of the table should present in the appropriate paragraph.
- The last chapter of the report is conclusion. Write a detailed discussion and conclusion that summarizes the work you did.
- Don't count the followings as chapter: Reference, glossary, and so on.