

# Mini latex lab report

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# 1 Introduction

This lab report demonstrates the basics of creating a LaTeX document in Overleaf. It includes sections, lists, a table, a figure, mathematical equations, and citations. [1]

## 2 Objectives

Below are the objectives of this lab

- learn basic latex structure
- Insert tables and figures with captions and labels
- apply equations and citations
- Create and cite a bibliography from a .bib file

## 3 Results

### STUDENT TABLE MARKS

Name	Marks
Minahil	95
Habiba	97
Ayesha	90
Fatima	85
Sara	90
Sobia	75
Mustafa	80
Ali	78

Table 1: list of students and their marks

## 4 Figure example

## 5 Mathematical Equations

### 5.1 Examples

Here are some equations:

1. Quadratic Formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

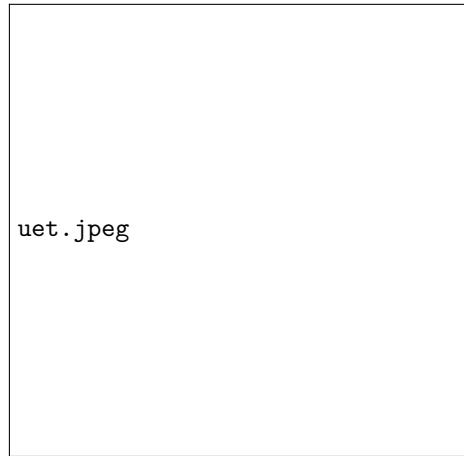


Figure 1: Logo UET Lahore

2.Integral

$$\int x^1 y^2 dx = \frac{1}{2}$$

3.Matrix

$$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$$

## References

- [1] Hart O Awa, Sunday C Eze, Joseph E Urieto, and Benjamin J Inyang. Upper echelon theory (uet) a major determinant of information technology (it) adoption by smes in nigeria. *Journal of Systems and Information Technology*, 13(2):144–162, 2011.