

**Name of Institution**  
**Department of Computer Studies**

# **Collection of L<sup>A</sup>T<sub>E</sub>X Sections for Structured Academic and Technical Report Documents**

A Template Collection

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## 1 Word-Like Formatting Features

### 1.1 Text Styling

LaTeX makes basic text formatting simple:

- **This text is Bold**
- *This text is Italic*
- ***This text is Bold and Italic***
- This text is Underlined

### 1.2 Text Sizes

- This is tiny text
- This is scriptsize text
- This is footnotesize text
- This is small text
- This is normalsize text (Default)
- This is large text
- This is Large text
- This is LARGE text
- This is huge text
- This is Huge text

## 2 Classified Data Logs

### 2.1 Example: C Encryption Routine

```
C // CONFIDENTIAL: ENCRYPTION PROTOCOL
1 #include <stdio.h>
2 #include <string.h>
3
4 // TOP SECRET ROUTINE
5 int main() {
6     int target_id = 9921;
7     char *status = "CLASSIFIED";
8
9     // Check clearance level
10    if (target_id > 9000) {
11        printf("[+] Priority Target Identified: %s\n", status);
12        printf("[*] Initializing assets...\n");
13    } else {
14        printf("(!) Access Denied.\n");
15    }
16    return 0;
17 }
```

SYSTEM // TERMINAL OUTPUT: RUN\_1

```
user@agency-term:~$ gcc encrypt.c -o encrypt
user@agency-term:~$ ./encrypt
[+] Priority Target Identified: CLASSIFIED
[*] Initializing assets...
user@agency-term:~$ _
```

### 2.2 Example: R Statistical Analysis

R // ANALYSIS: SUSPECT MOVEMENT DATA

```
1 # Load the surveillance dataset
2 data <- read.csv("suspects.csv")
3
4 # Filter for high-risk targets (> 90%)
5 targets <- subset(data, risk_level > 0.9)
6
7 # Display summary stats
8 print(summary(targets$risk_level))
```

SYSTEM // R CONSOLE EXPORT

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.910	0.925	0.950	0.948	0.980	0.999

This is an example of inline code using the same theme.

## 3 Tables

### 3.1 Standard Professional Table

Table 1: A standard academic table.

Item Name	Category	Price (\$)
Apple	Fruit	1.50
Sourdough Bread	Bakery	4.00
Milk (1 Gallon)	Dairy	3.20

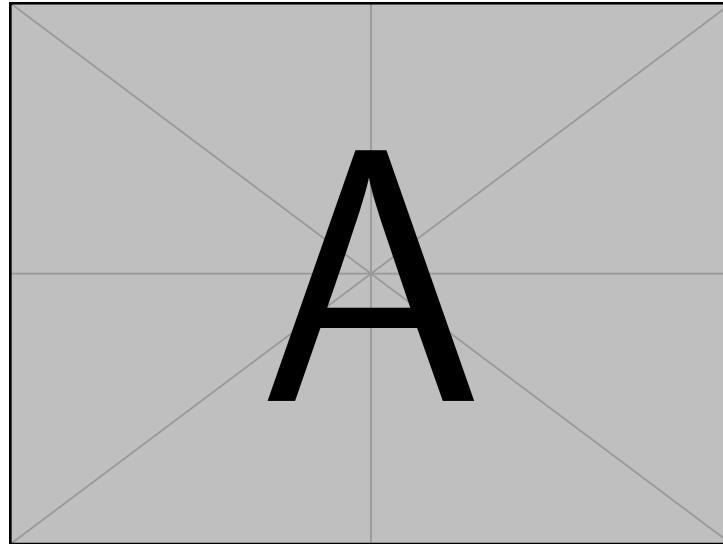
### 3.2 Alternating Row Color Table

Table 2: Table with alternating row colors (Zebra striping).

Employee	ID	Department
John Doe	1001	Engineering
Jane Smith	1002	Marketing
Bob Johnson	1003	Design
Alice Williams	1004	Engineering

## 4 Images and Layouts

### 4.1 Standard Image



**FIGURE 1**

Standard single image.

*Source: Generated by  $\text{\LaTeX}$*

### 4.2 Stacked Images (Subfigures)

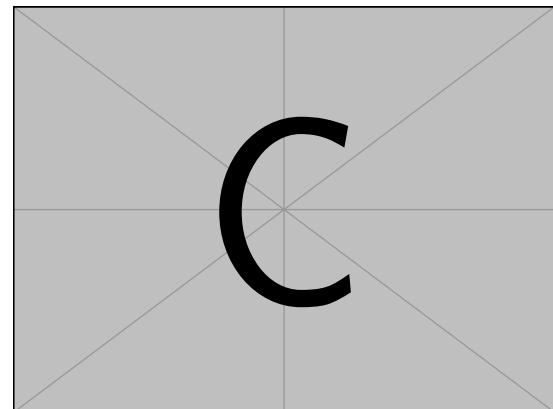
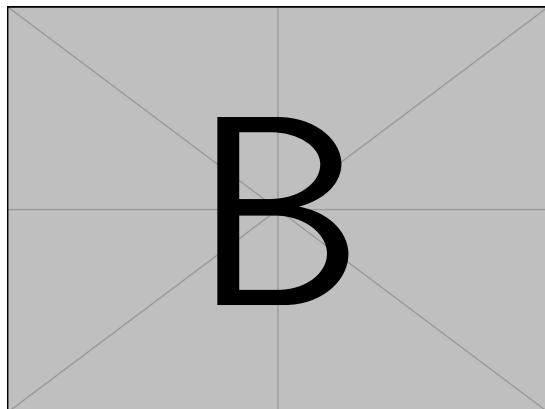


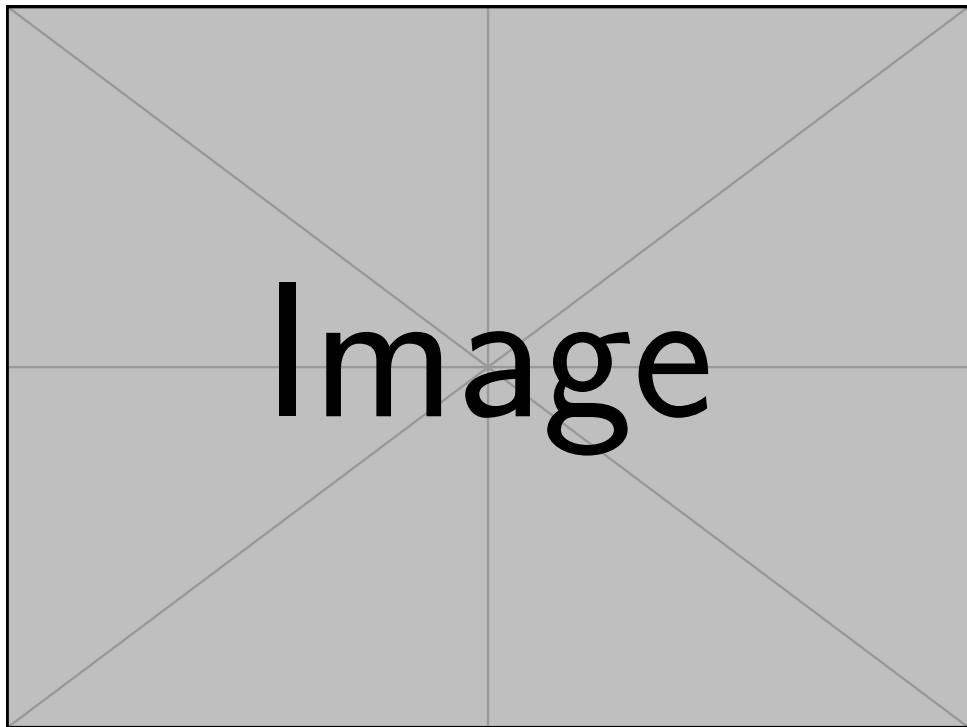
Figure 2: Two images stacked side-by-side.

### 4.3 Custom Styled Figure

---

**FIGURE 3**

Extended detail overview of the figure shown below...



*Source: –Source of the Graph–*