



Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Semester: (Fall, Year: 2024), B.Sc. in CSE (Day)

Lab Report 02

Course Name: **Information Design and Project I**

Course Code: **CSE-324**

Section: **213-D1**

Student Details

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[For Teachers' use only: **Don't use this section**]

Lab Report Evaluation

Marks:	Signature:
Marks:	Signature:

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1 TITLE OF THE LAB EXPERIMENT

1. Lab Report in LaTeX

2 OBJECTIVES / AIM

1. To Learn basics of LaTeX
2. To create a cover page for a lab report
3. To insert images in LaTeX
4. To create labels
5. To create references
6. To create tables and multi-columns
7. To learn how to implement math equations

3 IMPLEMENTATION

3.1 Basic LaTeX Structure

```
document { article }  
begin { center }  
end { center }  
end { article }
```

3.2 Implement Table with Charter

Name	GPA	Board
SSC	3.61	Camilla
HSC	3.50	Camilla
B. Sc	Current(3.38)	Dhaka

Table 1: SSC, HSC, B.Sc GPA and Board

3.3 Font Size and Font Name and Font Color

This is Red Color

This is Normal text

This text size 11in

This Font Name is Lucida Bright
Font and This font Size is 20 pt

3.4 Implementation Algorithm below

Algorithm 1 Basic Algorithm below

```
i ← 10  
if i ≥ 5 then  
    i ← i − 1  
else  
    if i ≤ 3 then  
        i ← i + 2  
    end if  
end if
```

3.5 Implement Math Equations

$$X = \sum_{k=1}^n w_i I_i + b[1]$$

$$x = \sum_{x=1}^n (a + b) \cdot c[2]$$

$$a = \sqrt{\frac{a + b + c}{c + b + a}}$$

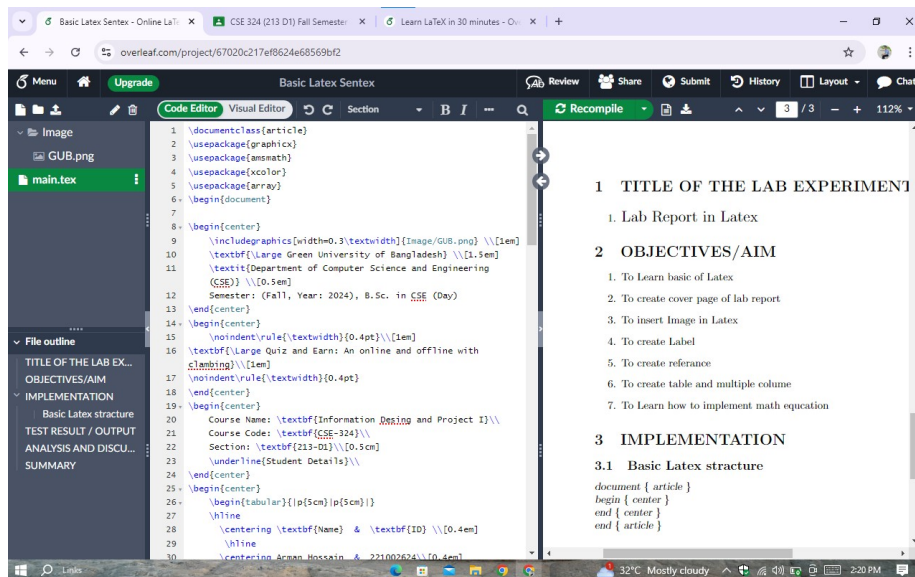
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} [3]$$

$$a^2 + b^2 = c^2$$

$$e^{i\pi} + 1 = 0$$

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

4 TEST RESULT / OUTPUT





(a) Image 1



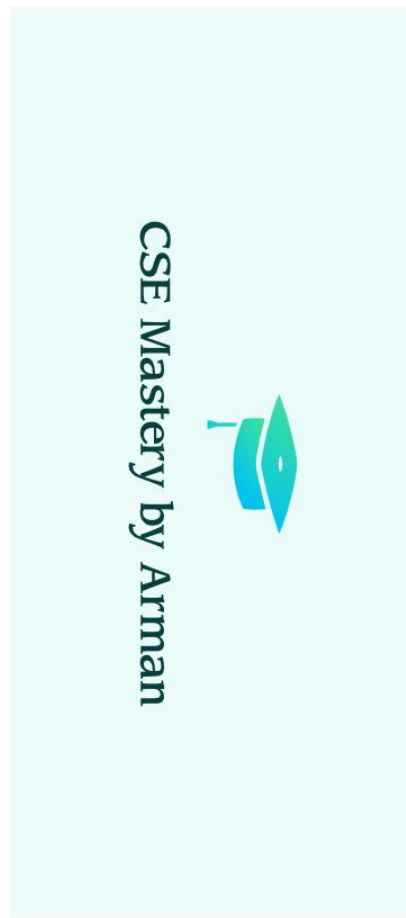
(b) Image 2



(c) Image 3

Figure 1: This three Image show horizontally

4.1 Angle Image



5 ANALYSIS AND DISCUSSION

6 SUMMARY

References

- [1] F. Mittelbach, M. Gossens, J. Braams, D. Carlisle, and C. Rowley, *The L^AT_EX Companion*. Addison-Wesley Professional, 2 ed., 2004.
- [2] D. E. Knuth, “Literate programming,” *The Computer Journal*, vol. 27, no. 2, pp. 97–111, 1984.
- [3] L. Lamport, *L^AT_EX: a Document Preparation System*. Massachusetts: Addison Wesley, 2 ed., 1994.