

ROYAL UNIVERSITY OF DHAKA  
 Program: B.Sc. (HON'S) in CSE/CSIT  
**Course Code & Title: CSIT 108: Optical Fiber Communication Lab (Eve)**  
**Course Teacher: Ahmed Abdullah (01680076500, ahmed.abdullah@royal.edu.bd)**

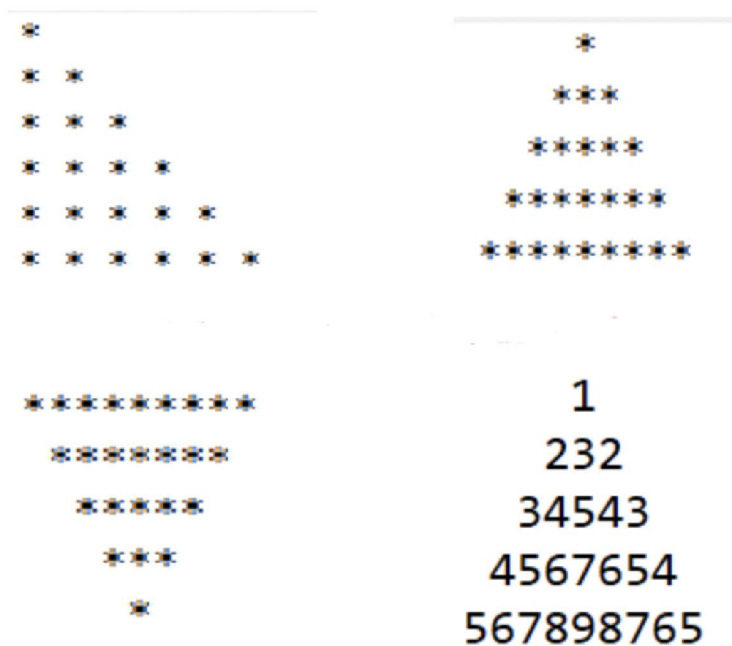
Assignment

Assignment Topic:  
 Draw and explain all filter circuit.  
 Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
 Program: B.Sc. (HON'S) in CSE/CSIT  
**Course Code & Title: CSE 122: Structure Programming Language Lab (Day)**  
**Course Teacher: Ahmed Abdullah(01680076500, ahmed.abdullah@royal.edu.bd)**

Assignment

Assignment Topic: Write c code for following pattern.



Submission deadline: 17<sup>th</sup> December, 2021  
 ROYAL UNIVERSITY OF DHAKA  
 Program: B.Sc. (HON'S) in CSE/CSIT  
**Course Code & Title: EEE 104 - Electronics Engineering Lab (Eve)**  
**Course Teacher: Kanti Bhusan Roy Kawshik (01924008069, kanti.kawshik@royal.edu.bd)**

Assignment

Assignment Topic:  
 Simulate Full Wave Rectifier in Proteus and write a report how this simulation works.  
 Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA

Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: EEE 102 - Electrical Engineering Lab (Eve)**

**Course Teacher: Kanti Bhusan Roy Kawshik (01924008069, kanti.kawshik@royal.edu.bd)**

**Assignment**

Assignment Topic:

Simulate the Mesh Current Analysis in Proteus software and write a report how this simulation works.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA

Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: EEE 110 - Microcontroller Lab (Day)**

**Course Teacher: Kanti Bhusan Roy Kawshik (01924008069, kanti.kawshik@royal.edu.bd)**

**Assignment**

Assignment Topic:

Simulate automatic counter using Arduino in proteus. Make sure you provide the code, report and the proteus file also.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA

Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: EEE 110 - Microcontroller Lab (Eve)**

**Course Teacher: Kanti Bhusan Roy Kawshik (01924008069, kanti.kawshik@royal.edu.bd)**

**Assignment**

Assignment Topic:

Make a smart irrigation system with moisture sensor, Arduino and Lcd display and simulation in proteus. Make sure you provide the code, report and the proteus file also.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA

Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 322 - Computer Peripheral & Interfacing Lab (Eve)**

**Course Teacher: Kanti Bhusan Roy Kawshik (01924008069, kanti.kawshik@royal.edu.bd)**

**Assignment**

Assignment Topic:

Explain how to choose appropriate component for your company desktop and your personal desktop. Component list are processor, motherboard, GPU, ram and storage device. In the report you have to explain for both your company desktop and your personal desktop component.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA

Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code: CSE-112, Course Name: Computer Fundamentals Lab**

**Course Teacher: Shaikh Afnan Birahim (01711027668, afnan.birahim@royal.edu.bd)**

**Assignment**

Assignment Topic:

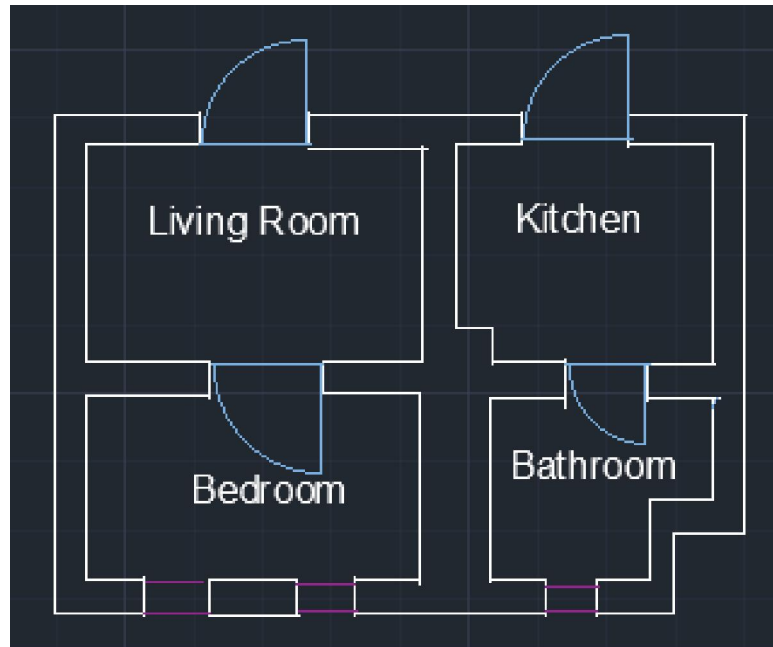
Write a SOP for M.Sc. in Computer Science. (It must not be a copy and it will be checked with plagiarism checker.)

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT  
**Course Code: CSE-123, Course Name: Engineering Drawing**  
**Course Teacher: Shaikh Afnan Birahim (01711027668, afnan.birahim@royal.edu.bd)**  
**Assignment**

Assignment Topic:

Draw the following layout in AutoCAD and submit the file:



Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT  
**Course Code & Title: CSE 324: E-Commerce Lab (Day)**  
**Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)**  
**Assignment**

Assignment Topic:

Create a simple webpage using html and css including header, paragraph, colors, image and link.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT  
**Course Code & Title: CSE 324: E-Commerce Lab (Eve)**  
**Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)**  
**Assignment**

Assignment Topic:

Create a simple webpage using html and css including header, paragraph, colors, image and link.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 340-Simulation and Modelling lab(Eve)**  
**Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)**

Assignment

Assignment Topic:

Write a program in C language for generating random numbers by i) mid square method and ii) mixed congruential method and show the output.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 322 - Computer Peripheral & Interfacing Lab [Day]**  
**Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)**

Assignment

Assignment Topic:

How to make a traffic light system using Arduino in Tinkercad simulator? Show the output step by step.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 214 -Object oriented programming language lab(Eve)**  
**Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)**

Assignment

Assignment Topic:

Explain polymorphism and abstraction in object-oriented programming with example and show the output.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 232 - Computer Algorithm Lab [Eve]**  
**Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)**

Assignment

Assignment Topic:

Write a C program and show the output that will take some values from the keyboard and sort them using i) bubble sort and ii) selection sort.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code: CSE 222, Course Name: Microprocessor & Assembly Language Lab**  
**Course Teacher: Md Khirul Islam Badal (01748864767, Khirul.badal@royal.edu.bd)**  
**Assignment for Final (EVE)**

**Assignment Topic:**

1. a) Write an assembly program in EMU simulator and find the even & odd number.
- b) Write an assembly program to find out the large number.
- c) Write an assembly program to convert a character to the ASCII value.
- d) Write an assembly program to create a sound in the system.
- e) Write an assembly program to solve this problem:  $i=5, j=2, k=6; (i++) + (k++) - (j++) - (j--) + (i--)$

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code: CSIT - 212, Course Name: Digital Logic Design**  
**Course Teacher: Md Khirul Islam Badal (01748864767, Khirul.badal@royal.edu.bd)**  
**Assignment for Final (EVE)**

1. Implement the following equation and make a report including (Truth Table, Circuit Diagram, Block Diagram, Output for the input).
  - a)  $Y = (A + B) + A'.C' + (B + C)$
  - b)  $Y = (A + B)'$
  - c)  $Y = (A.B.C)'$

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA  
Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 134, Data Structure & Algorithm Lab (Eve)**  
**Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)**

**Assignment**

**Assignment Topic:**

Write down the theory, algorithm, C code and output of experiment 7 to 11 from the Lab Manual provided in the class. Must give proper screenshots of your work from CodeBlocks software.

Submission deadline: 17<sup>th</sup> December, 2021

ROYAL UNIVERSITY OF DHAKA

Program: B.Sc. (HON'S) in CSE/CSIT

**Course Code & Title: CSE 234 - Operating System Lab (Eve)**

**Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)**

### Assignment

Assignment Topic:

Write down the Objective, Description, C code and output of experiment 8 to 13 from the Lab Manual provided in the class. Provide proper screenshots of your work from CodeBlocks software.

Submission deadline: 17<sup>th</sup> December, 2021