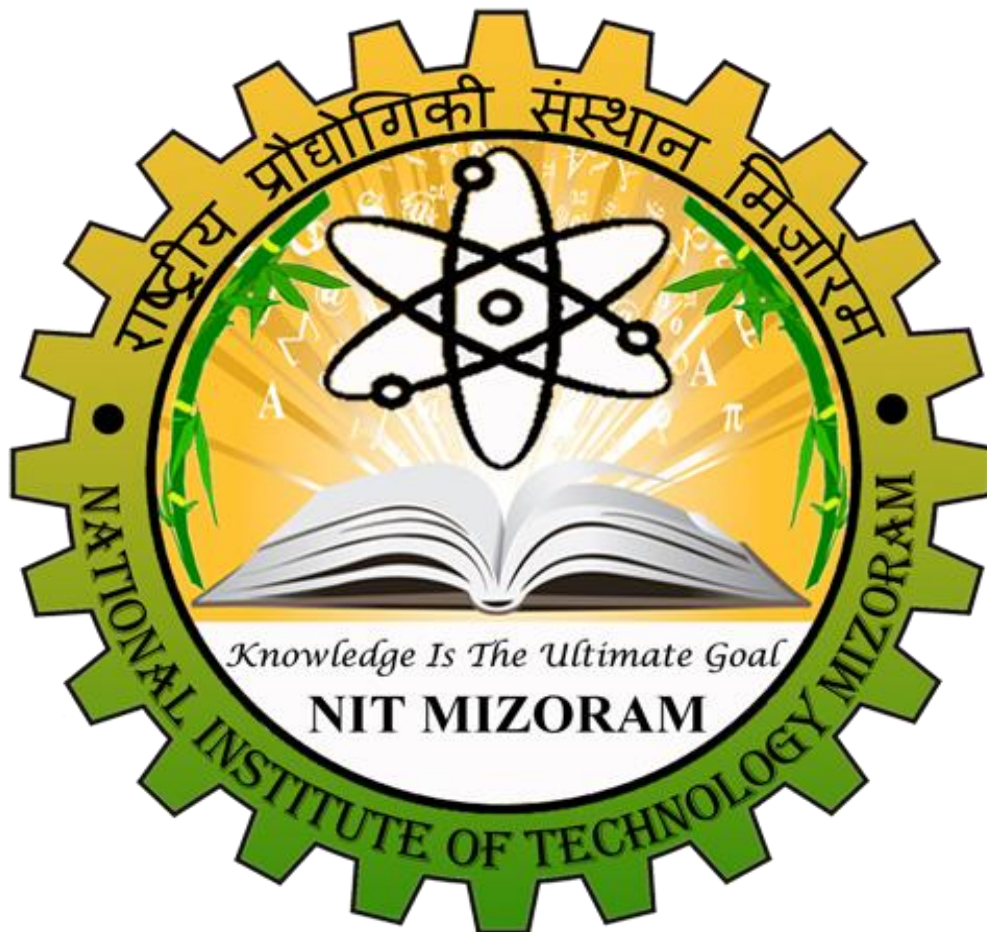


# NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

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## COMPUTER GRAPHICS ASSIGNMENT

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Name: NIRAJ KUMAR

Department: CSE

Enrollment No. : BT19CS031

*Draw any static/dynamic image of your choice using various algorithms of computer graphics in*

*C/C++. If you are using any predefined function of the graphics package, you have to give accurate descriptions of the procedure.*

[\[github link to question1\]](#)

```
/* C Program to implement Kite flying in Graphics */
```

```
//Including necessary headers for graphics and  
standard headers
```

```
#include<stdio.h>  
#include<time.h>  
#include<conio.h>  
#include<graphics.h>  
#include<stdlib.h>  
#include<direct.h>
```

```
// Driver Code
```

```
int main()  
{  
    // Initialize of gdriver with  
    // DETECT macros  
    int gd=DETECT,gm;  
    int x=10,y=480;
```

```

// Initialize structure of
// the kite
initgraph(&gd,&gm,(char*)"");
while(!kbhit())
{
    cleardevice();
    if(y==0)
    {
        y=rand();
        x=rand();
    }
    else
    {
        y=y-1;
        x=x+1;
        // Create lines for structure
        // of the kite
        line(x-50,y,x,y-70);
        line(x,y-70,x+50,y);
        line(x+50,y,x,y+70);
        line(x,y+70,x-50,y);
        line(x,y-70,x,y+70);
        line(x,y+70,x+10,y+140);
        line(x,y+70,x-10,y+140);
        line(x-50,y,x+50,y);
        line(x,y,x+130,y+640);
    }
    delay(20);
}

```

```

// Close the initialized gdriver
closegraph();
restorecrtmode();

```

```
    return 1;
}
```

## output

Name	Date modified	Type	Size
.vscode	02-05-2022 17:01	File folder	
BT19CS031_lab-4_Q1	02-05-2022 23:28	C++ source file	2 KB
BT19CS031_lab-4_Q1	02-05-2022 23:47	Application	1,760 KB

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
g++.exe build active file ✓ + - □ □ ^ ×
> Executing task: C/C++: g++.exe build active file <
Starting build...
"C:\My Softwares\TDM-GCC-32\bin\g++.exe" -fdiagnostics-color=always -g "C:\Desktop\c++\computer_graphics\lab 4\BT19CS031_lab-4_Q1.cpp"
-o "C:\Desktop\c++\computer_graphics\lab 4\BT19CS031_lab-4_Q1.exe" -lbgdi -lgdi32 -lcomdlg32 -luuid -loleaut32 -lole32

Build finished successfully.

Terminal will be reused by tasks, press any key to close it.
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
powershell + - □ □
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Desktop\c++\computer_graphics\lab 4> ./BT19CS031_lab-4_Q1
PS C:\Desktop\c++\computer_graphics\lab 4> □
```

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