PARSHVANATH CHARITABLE TRUST'S
A.P. SHAH INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Data Science

ANIMATED RAINBOW

Aditi Yadav (21107018)
Kashish Yadav (21107026)
Montu Suthar (21107052)
Ridhvik Thakur (21107056)

Project Guide
Ms. Poonam Pangarkar

Contents

- Introduction
- Objectives
- Features
- Built in functions used
- Output Screenshots

1. Introduction

- A rainbow is basically a beautiful arc in the sky.

- This project Animated Rainbow aims at studying the various graphical elements, objects and creating a base plan for the project.

- This project Animated Rainbow describes how to apply Computer Engineering related techniques/tools with an understanding of the limitations.

2. Objectives

1. To manipulate visual and geometric information of images.

2. To implement standard algorithms to draw various graphic objects using C program.

3. To use projections to visualize objects on view plane.

4. To implement various clipping algorithms.

3. Built in functions used

1. setcolor() : The header file graphics.h contains setcolor() function which is used to set the current drawing color to the new color.

Syntax: void setcolor(int color);

2. delay() : delay function is used to suspend execution of a program for a particular time.

Syntax: void delay(unsigned int);

3. arc() : The header file graphics,h contains arc() function which draws an arc with the center at (x,y) and given radius.

Syntax: void arc(int x, int y, int start_angle, int end_angle, int radius);

4. initgraph : This function is used in initializing graphics mode.

Syntax: initgraph(&driver,&mode,”path”);

4. Feature

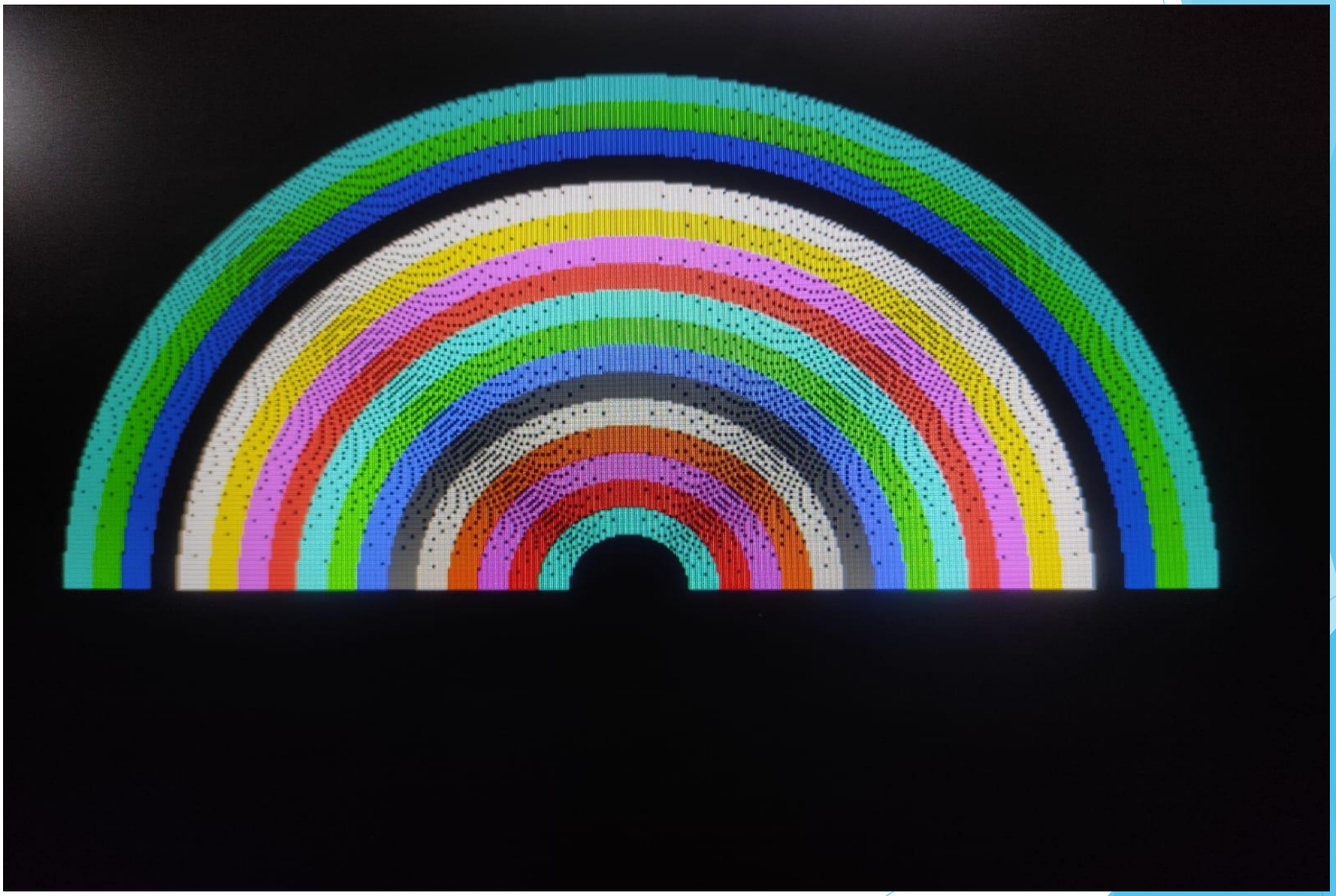
1. Understanding the implementation of standard algorithms to draw various graphic objects using C programing.

2. This project is used in animated videos for the purpose of entertainment, marketing, education and scientific visualization.

3. It can be used in animated movies, animated videos.

4. It has vast use in cartoon shows for kid’s entertainment.

5. Output of Project



Thank You...!!