**Micro-Project Annexure-1**

**Course Title**: Computer Graphics

**Course Code:** 313001

**Under the Guidance of:** Mrs. Pallavi Deokar

**Topic:** Emotion Detector



**Group Members:**

|  |  |  |
| --- | --- | --- |
| Roll Number | Enrollment Number | Name |
| 28 | 23150930408 | Vaibhavi Jagtap |
| 31 | 23150930411 | Divya Gosavi |
| 33 | 23150930414 | Jay Jogane |

## **Aims/Benefits of the Micro-Project**

To Analyze The Emotion given by the user and displaying the expression in graphical format

## **Course Outcomes Addressed**

* CO1 - Manipulate Visual and Geometric information of Images.
* CO2 - Develop programs in C applying standard graphics algorithms.
* CO3 - Perform and Demonstrate basic and composite graphical transformations on given object.
* CO4 - Implement various Clipping algorithms.
* CO5 - Develop programs to create Curves

## **Proposed Methodology**

1. Objective – Create a program to analyze user’s emotions and display the expression to the user according to it.
2. Scope –

* Take Input from the user for specified Emotion
* Display output for specified Expression / Emotion

1. Approach –

* Arrays for basic data storage
* Linked List for cart and products.
* Stack to store the products in cart
* Queue to display products and cart

1. Evaluation – Test Functionality, Performance, usability

## **Action Plan**

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| --- | --- | --- | --- | --- |
| S. No. | Details of the Activity | Planned Start Date | Planned Finish Date | Name of the  responsible Team Members |
| 1 | Topic Selection | 5-Aug-24 | 7-Aug-24 | Divya Gosavi, Jay Jogane |
| 2 | Annexure 1submission | 17-Aug-24 | 26-Aug-24 | Divya Gosavi, Swayam Datkhile , Jay Jogane , Ninad Mali, Jagruti Chavan |
| 3 | Information Search | 12-Aug-24 | 20-Aug-24 | Jay Jogane, Divya Gosavi , Swayam Datkhile |
| 4 | Writing the program | 21-Aug-24 | 30-Aug-24 | Jay Jogane |
| 5 | Testing the Program | 1-Sep-24 | 15-Sep-24 | Divya Gosavi |
| 6 | Implement the Program | 20-Sep-24 | 10-Oct-24 | Jay Jogane , Divya Gosavi |
| 7 | Annexure 2 submission |  |  |  |

## **Resources Required**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Name of Resource | Specifications | Quantity | Remarks |
| 1 | Turbo C++ | Version 4 | 1 |  |
| 2 | Computer System | Windows 11 | 1 |  |
| 3 | Books | Principles of Interactive Computer graphics | 1 |  |
| 4 | Reference Websites | GeekforGeeks | 1 |  |

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