**Round 1**

**Experiment ABCDEF Lab**

| **Discipline** | **Computer Science and Engineering** |
| --- | --- |
| **Lab** | **Software Engineering** |
| **Experiment** | **1. (KCS-651) Draw the collaboration diagram.**  **2. (KCS-651) Draw the state chart diagram.**  **3. (KCS-651) Draw the component diagram.** |

**1.Focus Area : Signal Processing & Communication**

**2.Learning Objectives and Cognitive Level**

| **Sr. No** | **Learning Objective** | **Cognitive Level** | **Action Verb** |
| --- | --- | --- | --- |
| 1. | User will be able to Understand the concept of Digital Differential Analyzer Algorithm | [Apply](http://vlabs.iitb.ac.in/vlabs-dev/document.php) | [Describe](http://vlabs.iitb.ac.in/vlabs-dev/document.php) |
| 2. | User will be able to: Calculate the value of Successive Pixel Value | [Apply](http://vlabs.iitb.ac.in/vlabs-dev/document.php) | [Calculate](http://vlabs.iitb.ac.in/vlabs-dev/document.php) |
| 3. | User will be able to: User will be able to draw a line using give two end points | [Apply](http://vlabs.iitb.ac.in/vlabs-dev/document.php) | [Calculate](http://vlabs.iitb.ac.in/vlabs-dev/document.php) |

**3.Instructional Strategy**

Name of Instructional Strategy : As per Handout

Assessment Method: As per handout

Description: of how you are going to implement the above Instructional Strategy in your Simulator: Brief description as per handout

**4.Task & Assessment Questions:.**

| **Sr. No** | **Learning Objective** | **Task to be performed by the student in the simulator** | **Assessment Questions as per LO & Task** |
| --- | --- | --- | --- |
| 1. | User will be able to calculate the successive pixel value. | On the simulator screen, student give input of two end points of line which is future putted in predefined formula to calculate the successive pixel value. | Calculate the successive pixel value. |
| 2. | User will be able to draw a line using given two end points | By the Iterative operation of calculation successive pixel value user will be able to draw a line on simulator screen. | Draw a line on Simulator Screen |

You can add more rows by copying the last row

**5.Simulator Interactions:**

| **Sr.No** | **What Students will do?** | **What Simulator will do?** | **Purpose of the task** |
| --- | --- | --- | --- |
| 1. | Student will click on start button. | Simulator will perform or show the diagram | **Collaboration diagrams** are used to show how objects interact to perform the behavior of a particular use case, or a part of a use case. |