PROGRAM – 14

AIM:

To do a python program for Edge Detection of an image

ALGORITHM:

1. **Import module:** Import cv2 (OpenCV library).

2. **Define function:** Create a function edge\_detection(image\_path).

3. **Read image:** Load the image in grayscale mode using cv2.imread(image\_path, cv2.IMREAD\_GRAYSCALE).

4. **Apply Canny edge detection:** Use cv2.Canny() with threshold values 100 and 200.

5. **Display result:** Show the edge-detected image using cv2.imshow().

6. **Wait and close:** Wait for a key press with cv2.waitKey(0) and close the window using cv2.destroyAllWindows().

OUTPUT:

