





**5. Read a grayscale image, implement and demonstrate the Edge detector of an image using Laplacian Edge Detector.**

Input Image	Output Image
	
	

**Conclusion:**

Edge detection is used to reduce the number of pixels to be processed while retaining the structural aspect of the image. Edges are detected when the intensity values of the adjacent pixels vary sharply. A Gaussian mask is used to blur the image before using the laplacian kernel to detect the edges.