

CS 415 Mini Project 2

1. Question Answering

Q1. Ans:

1. Edge is a change in the intensity or a contrast between the regions.
2. Surface normal discontinuity - **SND**
Depth discontinuity - **DD**
Surface color discontinuity - **SCD**
Illumination discontinuity - **ID**



3. The direction of the change in intensity (i.e gradient) is perpendicular to the edge. That is, the gradient vector points towards the direction where the intensity changes the most, while the edge runs along the direction where the intensity remains constant.