**Assignment 2:**

**Question 4:**

**Images Used:** 10 images of **each Set 1 and Set 2.**

|  |  |
| --- | --- |
| **Image Set 1 Water Container** | **Image Set 2 Umbrella** |
| **C:\Users\rishabh\AppData\Local\Microsoft\Windows\INetCache\Content.Word\1.bmp** | **C:\Users\rishabh\AppData\Local\Microsoft\Windows\INetCache\Content.Word\11.bmp** |

**Test Images used:** One extra image from each set.

**Original Image size: 720 \* 1280**

**Training data Image size: 180 \* 320**

**Sliding window used:** 8 in each x and y directions.

**Scores for all sliding windows For Image 1**:

0.7130 0.6746 0.7260 0.8045 0.8311 0.8270 0.8796

0.6574 0.5692 0.6285 0.7266 0.7742 0.8015 0.8339

0.7461 0.6544 0.6437 0.7132 0.7435 0.8311 0.8661

0.8226 0.7797 0.7285 0.7443 0.7804 0.8662 0.9162

0.8631 0.8896 0.8600 0.8466 0.8723 0.9021 0.9128

0.8627 0.9061 0.8944 0.9050 0.9178 0.9193 0.9166

0.8507 0.8868 0.8840 0.8895 0.8705 0.8313 0.8258

**Index of sliding window in first Image with maximum match:** 41

**For Image 2 :**

0.7273 0.7814 0.8081 0.8163 0.6670 0.6088 0.7352

0.7177 0.7387 0.7555 0.7615 0.6249 0.5939 0.6849

0.6941 0.6563 0.6442 0.6724 0.6432 0.6095 0.6352

0.6913 0.6142 0.5321 0.5851 0.6454 0.6274 0.6688

0.8009 0.7153 0.5995 0.6120 0.6246 0.6093 0.7115

0.8555 0.8445 0.7863 0.7604 0.7371 0.6820 0.6808

0.8701 0.8946 0.8810 0.8786 0.8560 0.7872 0.7225

**Index of sliding window in second Image with maximum match:** 18