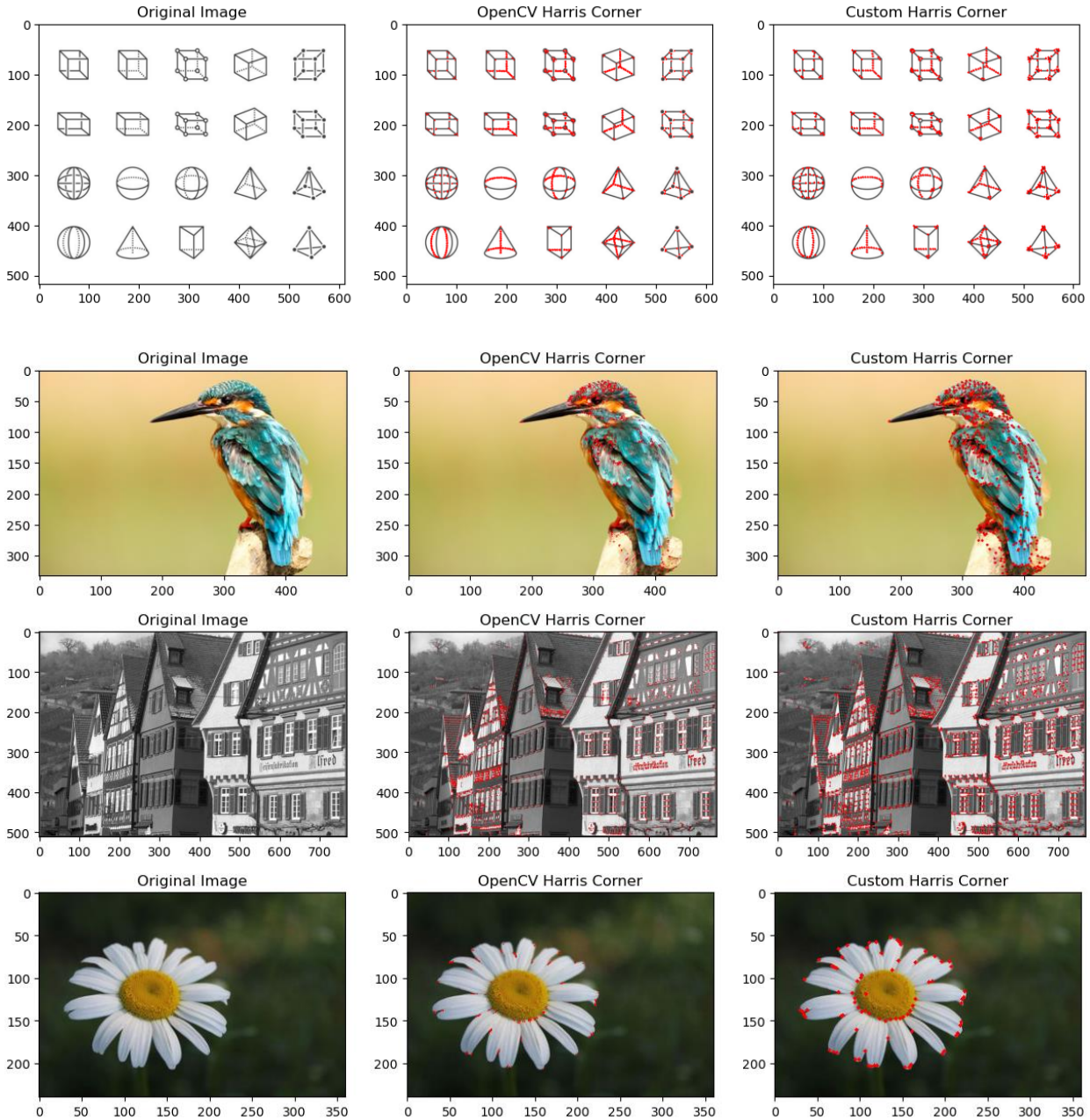
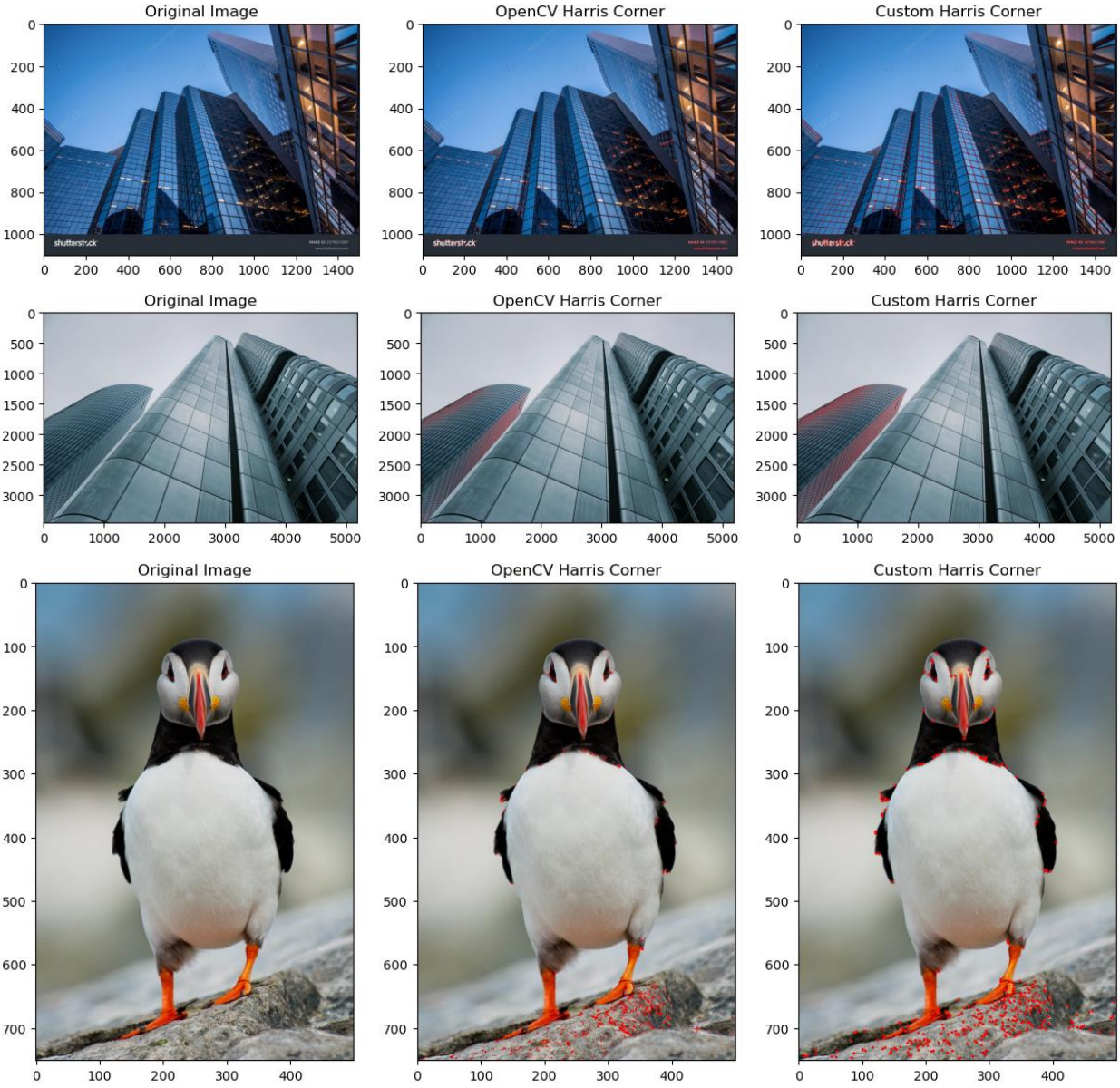
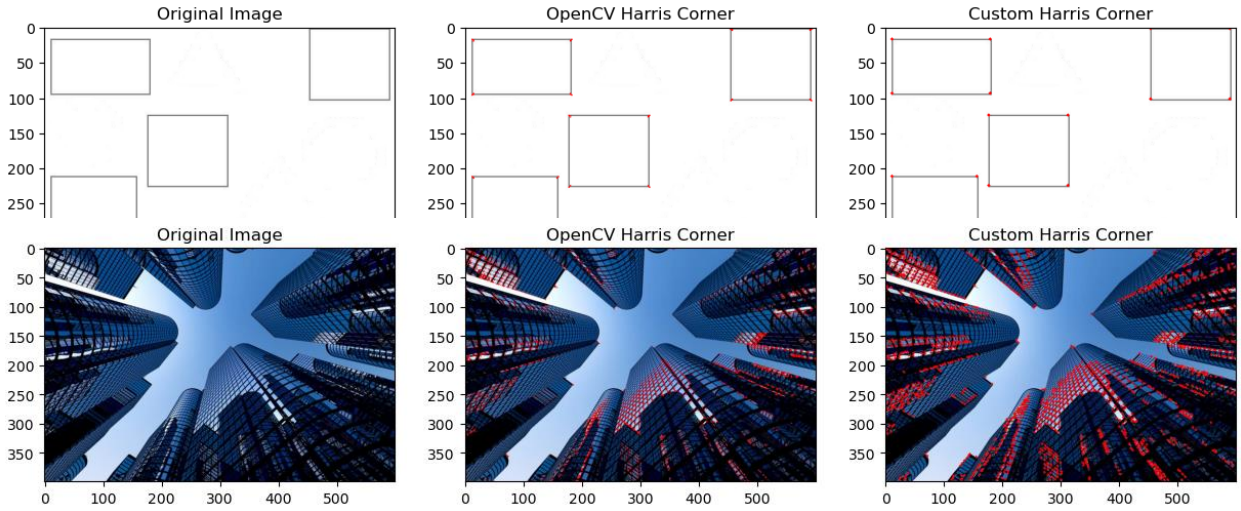
CV - Programming Assignment-1

Alli Khadga Jyoth - M23CSA003

Ques1:

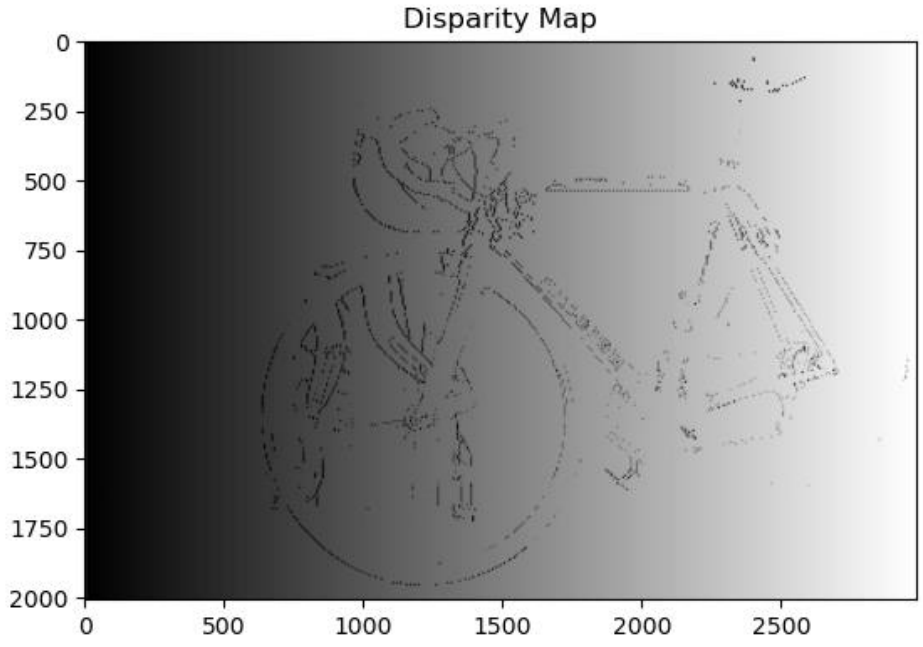



Original Image
OpenCV Harris Corner
Custom Harris Corner
Original Image
OpenCV Harris Corner
Custom Harris Corner
Original Image
OpenCV Harris Corner
Custom Harris Corner

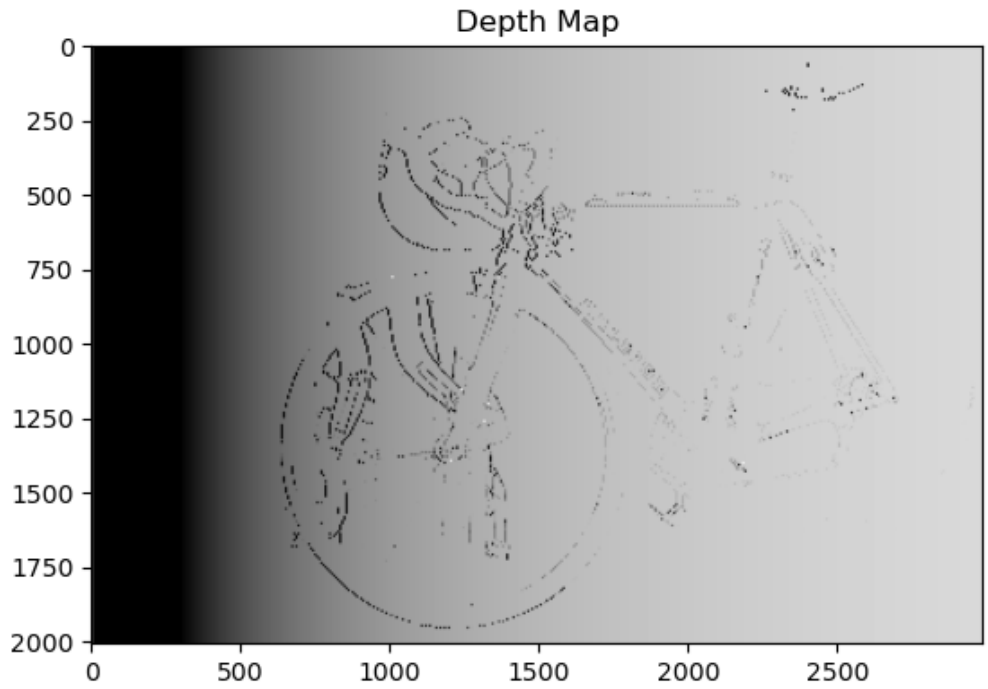


Ques 2:

Disparity Map

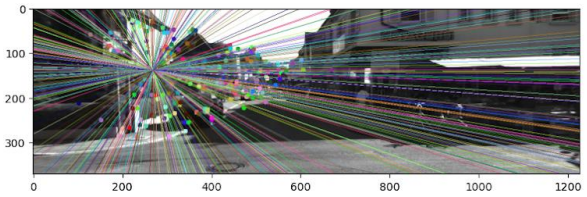


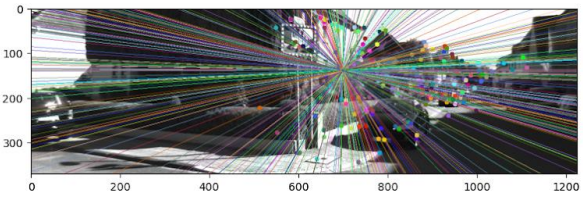
Depth Map



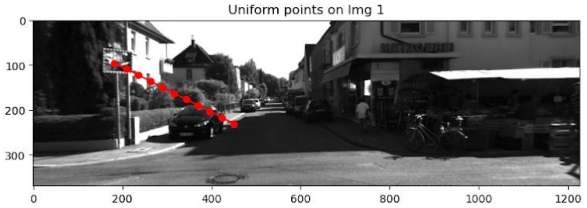
Ques 3:

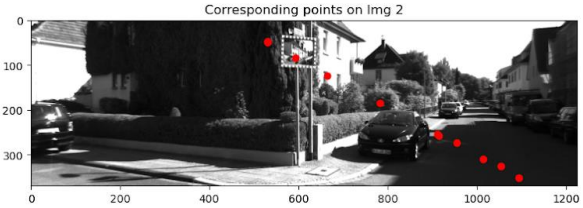
Epipolar Lines:





Uniform points sampled from Img 1 & Finding Corresponding points on Img2:



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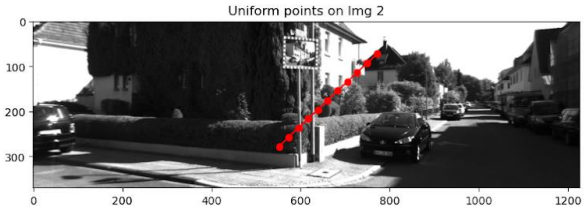
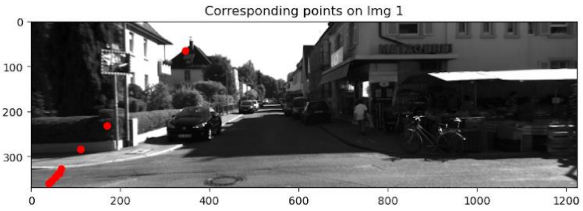
Sampled Pts: Correspondences

 [182  96] = [955,273]
 [209 108] = [916,258]
 [236 122] = [594,83]
 [263 136] = [665,123]
```

```
[290 149] = [1055,325]
[316 163] = [531,47]
[343 176] = [1094,351]
[370 190] = [783,185]
[396 203] = [531,49]
[423 217] = [1014,310]
[450 231] = [911,255]
```

Uniform points sampled from Img 2 & Finding Corresponding points on Img1:






```
Sampled Pts: Correspondences
 [552 278] = [ 40 360]
 [573 257] = [ 60 338]
 [595 237] = [ 46 353]
 [617 216] = [346  65]
 [639 196] = [ 43 357]
 [661 175] = [ 53 346]
 [683 154] = [112 284]
 [705 134] = [ 67 328]
 [727 113] = [ 64 338]
 [749  93] = [171 232]
 [771  72] = [ 55 344]
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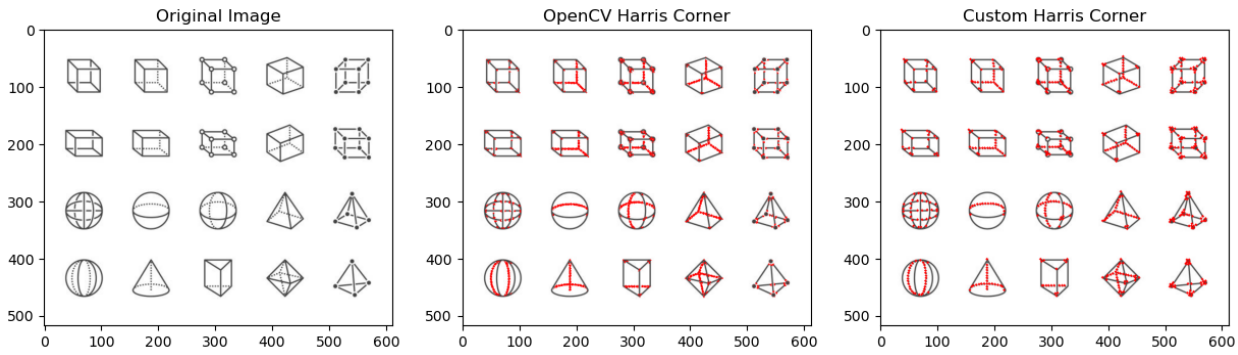
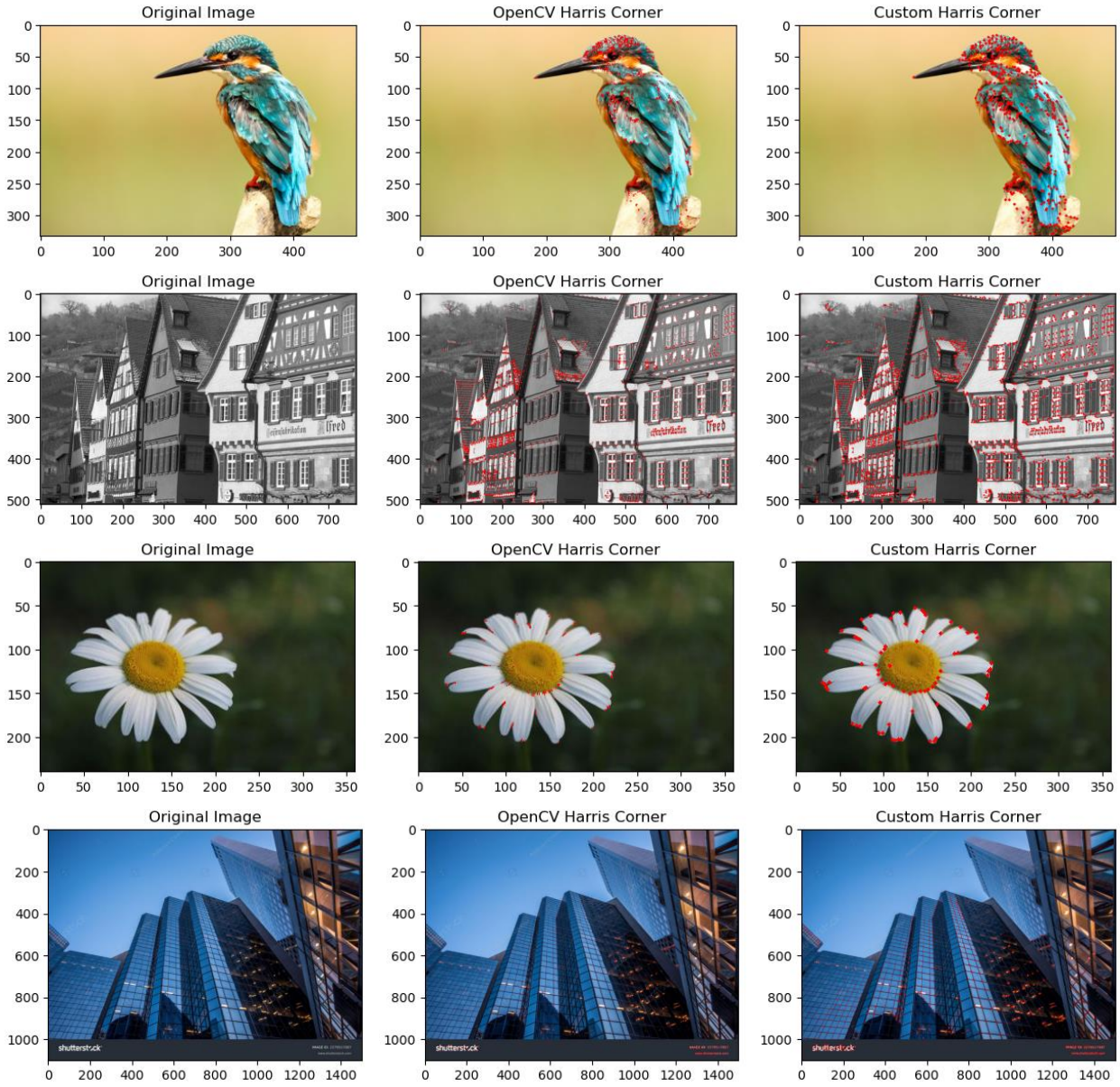
Ques1:

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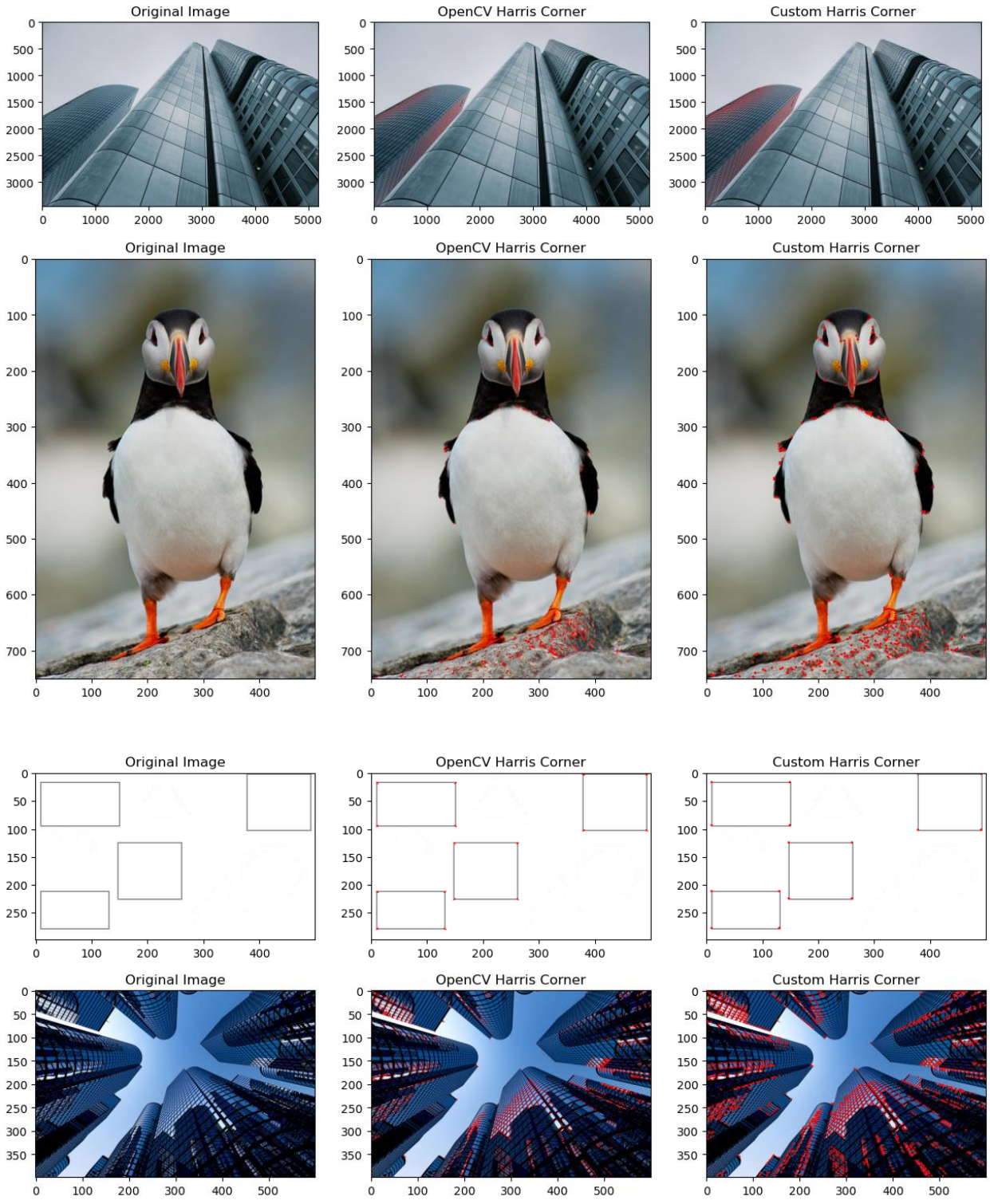

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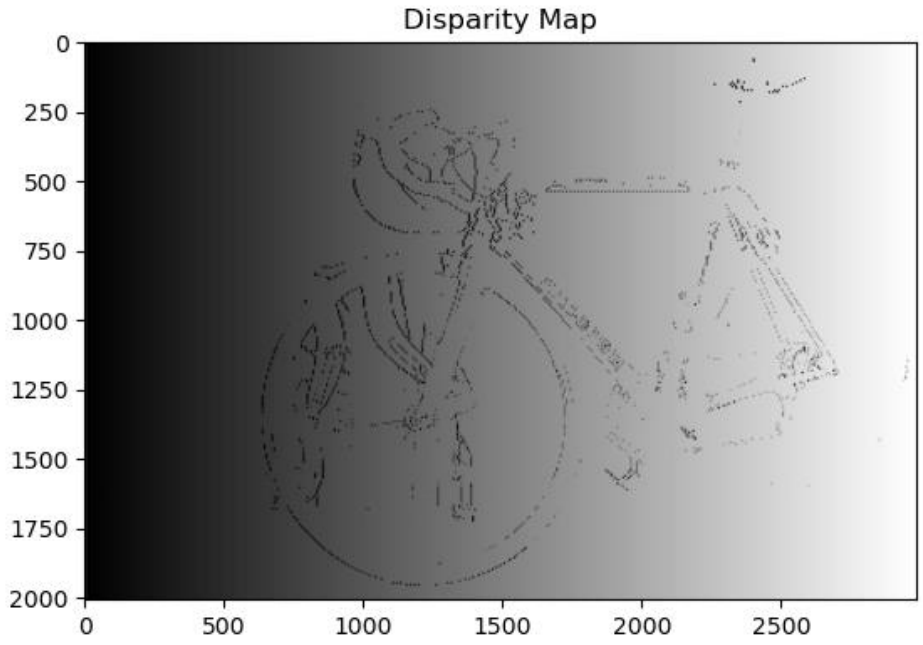
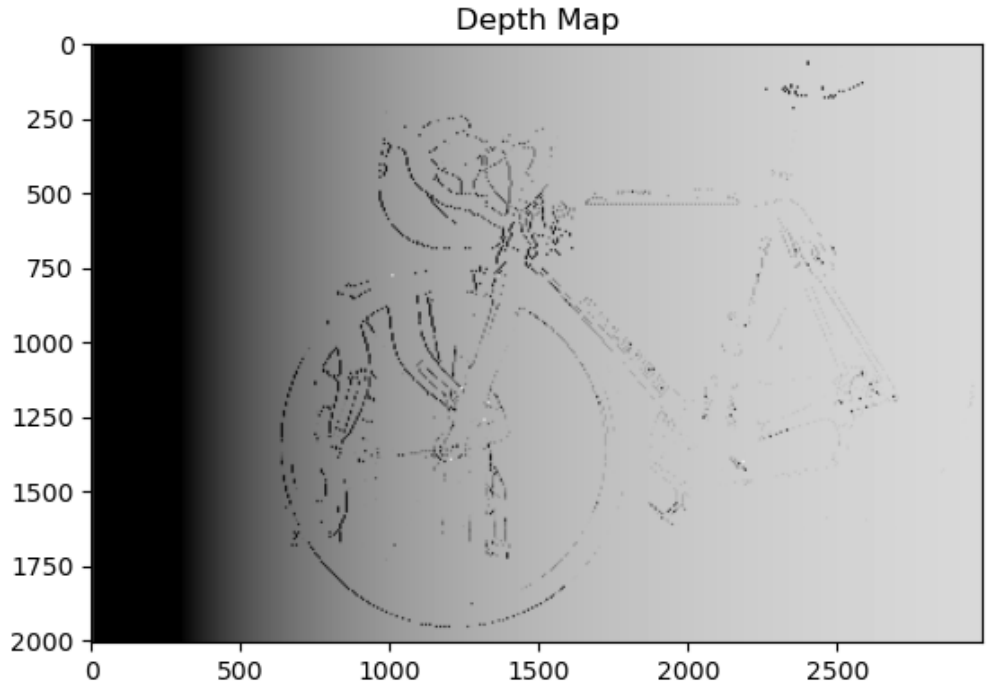
Disparity Map



Depth Map



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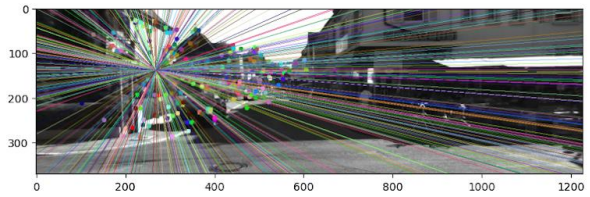
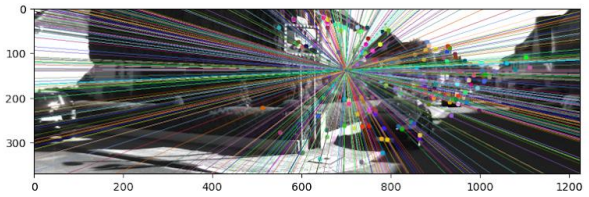
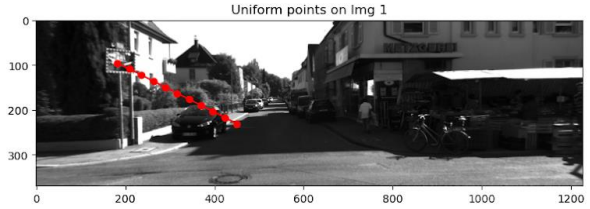
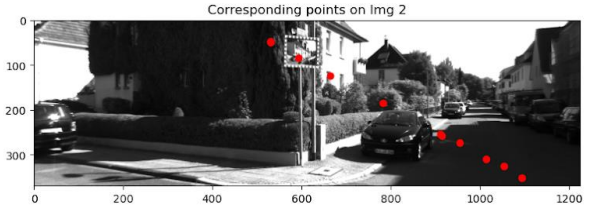
Epipolar Lines:





Uniform points sampled from Img 1 & Finding Corresponding points on Img2:



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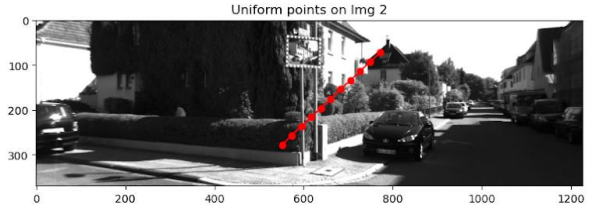
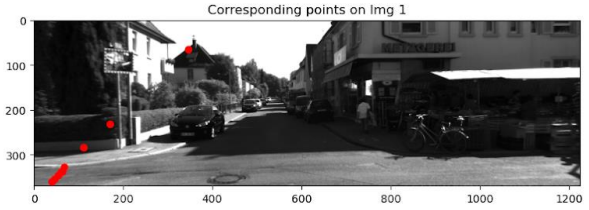
Uniform points sampled from Img 2 & Finding Corresponding points on Img1:



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