# Depth from Single RGB image

Computer Vision (CS6350) TPA - 6

## 1 Problem Statement

Estimating accurate depth has become a problem of great interest in the field of Computer Vision, which is essential to understand the geometry of the scene. Previously, the depth was calculated from two or more images using stereo vision methods. But now, it is being replaced by depth from a single image where the depth is obtained using both local and global information. Here, consider single image for estimating the depth. The output obtained should be compared with the ground truth.

## 2 Input

• A 2D RGB image

### 3 Assumptions

• Training and test data should be from different set

#### 4 Output

• Corresponding depth map of the input image

## 5 Datasets

• NYU Depth V2 Dataset

### 6 References

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