

# EE702 - Assignment 2

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## Problem Statement

Consider the problem of reconstructing depth (dense depth map) in a scene from stereo vision. For a standard dataset with ground truth, you may use *Middlebury* or *paperswithcode* datasets for stereo.

Implement any of the methods taught in the class to recover the dense depth map. Compare the results with the given ground truth and justify the quality of results obtained with appropriate reasoning.

Now, collect an appropriate stereo dataset using your cellphone camera judiciously and show how good the 3D scene reconstruction is.

– or –

For the part where you have been asked to use one of the methods taught in the class, you may use a suitable deep learning-based method.