Assignment-III (Theoretical) [Deadline 28th May]

(25 marks)

1) Describe at least three ways of background subtraction when the camera is stationary. [5 marks]

2 Define what a motion history image is. Also, discuss different applications that are possible using this concept. [5 marks]

3) What are brightness-constancy and spatial-coherence constraints in optical flow? Derive their equations. [5 marks]

4) What is image co-segmentation? Discuss different approaches that are used for implementing it. [5 marks]

5) Discuss different up-sampling strategies designed for CNNs to accomplish semantic segmentation. [5 marks]