Computer Vision

Programming Task 07

Implement the following edge detection techniques using MATLAB or Python.

Tasks to be implemented:

1. **Edge Detection**
   Write a function `edge_detection(image, method)` that takes an image and a method name as input and returns the edge detected image.
   - `image`: A grayscale image.
   - `method`: A string specifying the edge detection method (either `'sobel'`, `'prewitt'`, or `'roberts'`).

Evaluation:

Anytime after CV mid-term exam.

Maximum Points: 10