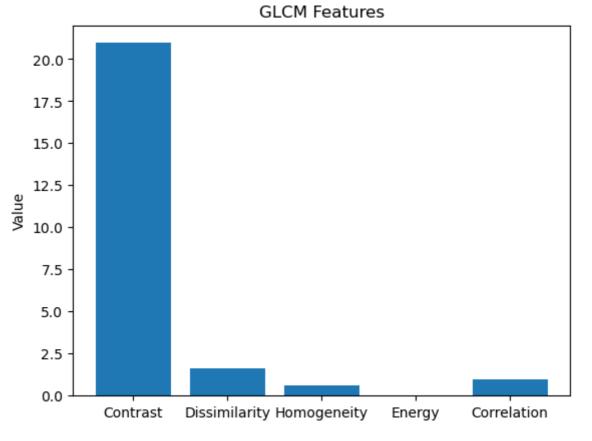
CODE:

```
In [1]: import numpy as np
        from skimage.feature import graycomatrix, graycoprops
        from skimage import io, img_as_ubyte
        import matplotlib.pyplot as plt
        image = io.imread('image.jpg', as gray=True)
In [2]: image = img_as_ubyte(image)
        glcm = graycomatrix(image, distances=[1], angles=[0, np.pi/4, np.pi/2, 3*np.pi/4],
                            levels=256, symmetric=True, normed=True)
        contrast = graycoprops(glcm, 'contrast')
In [3]:
        dissimilarity = graycoprops(glcm, 'dissimilarity')
        homogeneity = graycoprops(glcm, 'homogeneity')
        energy = graycoprops(glcm, 'energy')
        correlation = graycoprops(glcm, 'correlation')
In [4]: print('Contrast:', np.mean(contrast))
        print('Dissimilarity:', np.mean(dissimilarity))
        print('Homogeneity:', np.mean(homogeneity))
        print('Energy:', np.mean(energy))
        print('Correlation:', np.mean(correlation))
        Contrast: 20.95721077264087
        Dissimilarity: 1.645347437789784
        Homogeneity: 0.6236245184974644
        Energy: 0.04590903458405067
        Correlation: 0.9945538486782233
In [5]: features = ['Contrast', 'Dissimilarity', 'Homogeneity', 'Energy', 'Correlation']
        values = [np.mean(contrast), np.mean(dissimilarity), np.mean(homogeneity), np.mean
        plt.bar(features, values)
        plt.title('GLCM Features')
        plt.ylabel('Value')
        plt.show()
```



In []:

RESULT:

Hence, we successfully implemented Gray-Level Co-Occurrence Matrix (GLCM) for feature extraction.