



```
● PS C:\Users\RPS\Desktop\FOML> python EX11-pca.py
Explained Variance Ratio:
[0.21654163 0.19249927]
Total Variance Captured by PC1 & PC2: 0.41

Sensor Contribution to Principal Components (PCA Loadings):
      Sensor_1  Sensor_2  Sensor_3  Sensor_4  Sensor_5  Sensor_6
PC1 -0.002887 -0.000655  0.304978  0.590785 -0.514060 -0.541936
PC2  0.665243 -0.176465 -0.572299  0.303197 -0.234588  0.227652
○ PS C:\Users\RPS\Desktop\FOML> 
```