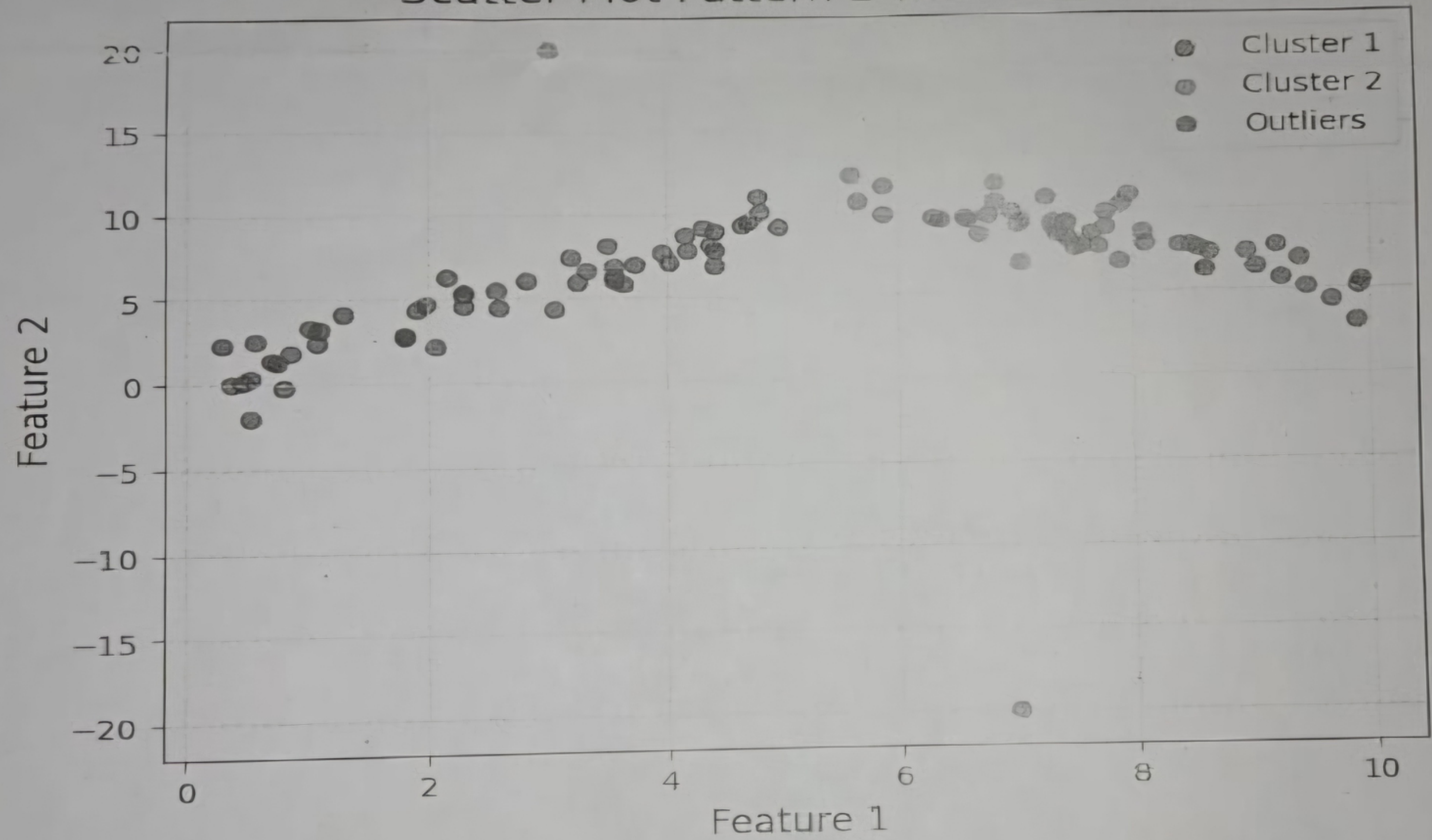Scatter Plot Pattern 2 with Clusters

K. Bruhadwi Rao - 2203A54004   M. Naga Srujan - 2203A54027

K. Harsha vardhan Reddy - 2203A54006

Navaneeth Reedy - 2203A54003

M. Suhas - 2203A54014

This Scatter Plot represent a clustering Pattern for two features. the data points are grouped into two clusters:- Cluster 1 and 2, with Some Points classified as outlies.

1) **Clusters Formation :** i) Data Points are grouped based on similarity in the two features values, as visible in the distinct gouping Patterns in the plot

ii) The clustering algorithm likely used spaital proximity in the features space to define the cluster.

2) **outlines :-** The Pointers far away from the main groups (clusters) are marked as outliers. these are data points that do not belong to any cluster due to their distinct features values.

3) **Justification for clustering :-** i) clustering is suitable in the scenario as the data is clearly divided into groups based on the relationship between feature 1 and 2

ii) This division can help in further analysis like classification, anamaly detection, or data summarization.

The clustering might be based on methods like k-means, DBSCAN or similar techniques.