**KINGDOM OF SAUDI ARIBIA**

**Ministry of Education King Khalid University College of Computer Science**

المملكة العربية السعودية

وزارة التعليم

جامعة الملك خالد كلية علوم الحاسب االلي

373 CIS-4: Data Mining

Activity 3: Cluster analysis \5 marks Name: ID. No.

# Question: Open the R studio software and do the following:

1. View the ***iris*** dataset and what are its columns.
2. Install the required libraries to apply k-mean method and for plotting.
3. Select only (Petal length and petal width Columns)
4. Apply k-mean algorithm to the selected columns only.
5. Find the size for each cluster
6. Plot the clusters.

***Notes:***

* The dataset is available in R studio, run **data ()** within your R console.
* Submit the activity as pdf files includes screen shot for each question.

# Name the cluster with your name otherwise you will lose mark.











