

# **Big Data Analytics**

## **Assignment-04 (Spring 2024)**

*Note: Late Submission will be not be graded.*

**Submission to be done on portal**

**Due Date: Sunday, June 9, 2024, before 11:59 PM**

- Take screen shoots of R code and necessary mathematics and paste on the word file. Export word file to .pdf
- Upload .pdf file on portal
- [Note: Title page must have Student Name, Registration Number, Section, and Date of Submission.
- Don't use register pages and assignment pages
- Submission will be on portal only

**Question number 01:**

For the given data, compute two clusters using K-means algorithm for clustering where initial cluster centers are (1.0, 1.0) and (5.0, 7.0). Execute for two iterations.

Record Number	A	B
R1	1.0	1.0
R2	1.5	2.0
R3	3.0	4.0
R4	5.0	7.0
R5	3.5	5.0
R6	4.5	5.0
R7	3.5	4.5

Apply k mean clustering algorithm also write down the R code.