Lab Assignments – 12 & 13

CSE 338L - Applied Data science Lab

Date: 23-04-2024

**Note: Form a group of maximum 5 to complete the assignment. (This group is to be maintained for all the lab and class assignments till the end of the semester.)**

Submission deadline of softcopy: 29-04-2024.

Submission deadline of hardcopy: 30-04-2024.

**12. Write a python Program to extract the friendship details of your face book account as Social network Graph**

**13. Write a python program to extend the above exercise to discover the communities in the graph, partition the graph and extracting the neighbor hood properties of the graphs.**

**Note: NetworkX is a popular Python library for working with graphs and networks. It has function for graph algorithms and functions for creating, manipulating, and analyzing networks.**

Every student should submit the written assignment on a white notebook.

Question:

Program:

Sample dataset (it is not required to wite the entire dataset):

Input and Output:

Every student should submit the softcopy of the group assignment in google classroom.

Files to be submitted individually (not as Zip file) are:

Google Colab notebook (include all the group member Registration number and Name in the first cell)

Dataset (.xls)