**VIT-AP UNIVERSITY, ANDHRA PRADESH**

**CSE2047 – Data Analytics - Lab Sheet : 2**

**Academic year:** 2020-2021  **Branch/ Class:** B.Tech/M.Tech

**Semester:** Fall  **Date:**

**Faculty Name:** Prof. S.Gopikrishnan  **School:** SCOPE

**Student name: Reg. no.:**

**LAB 2**

**Questions:**

1. USE DIABETES.CSV

2. DISPLAY THE DATAFRAME

3. HOW MANY ROWS AND COLUMNS ARE THERE?

4. FIND OUT THE COLUMNS NAMES IN THE DATAFRAME

5. ACCESS THE AGE COLUMN.

6. DISPLAY THE NUMBER OF PEOPLE WHOSE AGE IS GREATER THAN 40.

7. FIND OUT THE FEMALE DIABETIC PATIENTS OF AGE > 30

8. FIND OUT THE DETAILS OF PATIENTS WHO ARE NOT FROM LOUSIA.

9. IF GLUCOSE LEVELS IN BLOOD IS > 7, DIAGNOSE AS DIABETIC BY ADDING A COLUMN TO THE DATA FRAME.

10. WHICH FEMALE SUBJECTS FROM BUCKINGHAM ARE UNDER THE AGE OF 25?

11. WHAT IS THEIR AVERAGE GLYHB?

12. ARE ANY OF THEM DIABETIC?

13. FIND OUT EACH COLUMN TYPE IN THE DATAFRAME

14.  PRODUCE THE SUMMARY OF THE DATAFRAME.

15. USE VARIOUS PLOTS TO PLOT

     a.  frame

     b. gender and frame

     c.  diabetic male and female