**CA3- BACKLOG**

**MAX MARKS: 30 (10 Marks Each)**

**Q.1**

a. USING GROCERIES DATASET execute following:

**DATASET LINK:** www.tinyurl.com/examdatasets

Create the model for aggregating the products from groceries dataset.

b. USING BREAST CANCER DATASET execute following:

**DATASET LINK:** BREAST CANCER: www.tinyurl.com/examdatasets

Many times before creating any predictive model we need to change the structure of the attribute, using BREAST CANCER dataset, convert the structure of the columns if required.

**Q.2**

a. USING IRIS DATASET execute following:

**DATASET LINK:** www.tinyurl.com/examdatasets

Create a machine learning model that would predict the Petal Length for Versicolor flowers.

Also mention the accuracy for the model.

b. USING IRIS DATASET execute following

**DATASET LINK:** www.tinyurl.com/examdatasets

Create a machine learning model that would predict the Sepal Width for Setosa flowers.

Also mention the accuracy of the model.

**Q3.**

From Data STUDENT ENTRANCE create most accurate model that would be giving maximum accuracy if following attributes would be used:

**DATASET LINK:** www.tinyurl.com/examdatasets

i. Only GRE
ii. Only GPA
iii. Only RANK
iv. Only GRE+GPA
v. Only GRE+RANK
vi. Only GPA+RANK
vii. GRE+GPA+RANK

Use SVM Model for prediction.
i. Save all the model accuracies in a data frame with their Model Names and Attributes used in them.
ii. Plot the accuracies of saved models.