Gujarat Technological University

Government Engineering College, Modasa

M.E. – Computer Engineering (Semester – VI)

ME02000361 – Data Preparation and Analysis

PRACTICAL LIST

#	Description
1	Read suitable dataset and handle missing values in different ways
2	Let A = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10] and B = [1, 4, 2, 6, 7, 9, 11, 13, 14, 15]. Compute correlation between these two vectors
3	Read *Boston* house price dataset and create linear regression model to predict the house price
4	Consider following confusion matrix and compute various performance metric using it: <table><tr><td></td><td></td><td colspan="2">*Actual*</td></tr><tr><td></td><td></td><td>Dog</td><td>Cat</td></tr><tr><td rowspan="2">*Predicted*</td><td>Dog</td><td>46</td><td>7</td></tr><tr><td>Cat</td><td>4</td><td>43</td></tr></table>
5	Read *Iris* flower data set and implement Decision tree classifier. Also evaluate model performance
6	Read *Iris* flower data set and implement Lazy learner classifier. Also evaluate model performance
7	Read *tips* data set and create clusters based on different clustering criteria
8	Load *mtcars* data set and predict mileage of the vehicle using support vector regressior.
9	Implement basic neural network to solve XOR problem.
10	Read any transaction data set and perform association mining.