

# **Bhagwan Mahavir College of Engineering & Technology**

## **Computer Science & Engineering Department**

**Subject Code: 2170715**

**Subject Name: Data Mining & Business Intelligence**

### **Assignment 2**

- 1) Write a note on data cleaning process for missing value and noisy data treatment.
- 2) What is noise? Explain the different techniques to remove the noise from data.
- 3) Explain “Linear Regression” using suitable example.
- 4) Explain Mean,Median,Mode,Variance and standard deviation in brief.
- 5) Explain Market Basket Analysis with it’s use.
- 6) A database has four transactions.Let minimum Support=60% and Minimum Confidence=80%

<b>TID</b>	<b>Date</b>	<b>Items- bought</b>
T100	10/15/99	{K,A,D,B}
T200	10/15/99	{D,A,C,E,B}
T300	10/19/99	{C,A,B,E}
T400	10/22/99	{B,A,D}

Find all Frequent itemsets using Apriori Algorithm  
List Strong Association Rules (with support S and confidence C).

- 7) Explain association rule with Confidence and Support..
- 8) Discuss various Issues of classification and prediction.
- 9) Discuss application of Fuzzy logic.
- 10) What are neural networks?Discuss the various factors which make them useful for classification and prediction in data mining.Explain how the topology of neural network is drsigned.

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