Bhartiya Vidya Bhavan's SARDAR PATEL INSTITUTE OF TECHNOLOGY Munshi Nagar Andheri(W) Mumhai 400058

Munshi Nagar, Andheri(W), Mumbai 400058

Department-IT Class- B.E. Assignment-1

Subject: **DWMBI**

- (1) What are techniques and application of data mining?
- (2) A database has four transactionsLet minimum-support =50% and minimum-confidence= 50%
- i) Find all frequentitem sets using Apriori algorithm.
- ii) List strong association rules (with support S and Confidence C)

| Transaction ID | Items Bought |
|----------------|--------------|
| | |
| 2000 | A,B,C |
| 1000 | A,C |
| 4000 | A,D |
| 5000 | B,E,F |

- (3) List and describe five primitives for specifying data mining task.
- (4) Define classification. Explain k-nearest neighbour classification algorithm?
- (5) Explain Web mining. Explain web content mining with reference to Crawlers, Harvest system, Virtual web view and personalization?