

### **DIGITAL ASSIGNMENT 3**

1. Register and attend any free online course related to data mining and upload the certificate for the same in moodle.
2. Suppose the World Wide Web consisted of four web pages labeled W, X, Y, and Z. Suppose that W links to X and Y, X links to W and Y, Y links to X and Z, and Z links to X and Y. Determine the PageRank for each of these five pages, assuming that the PageRank "E" value is set to 0. Show three iterations of the PageRank algorithm, assuming that you start with an initial PageRank of 1 for all four pages.
3. Implement collaborative filtering technique on certain basket/item data (from Ebay or Amazon, for instance) and prepare a document for the same.