ASSIGNMENT-2

SUBJECT/ SUB. CODE	SEMESTER/BRANCH	Issued Date	Due Date
DMIR – 01CE1707	7th – C.E.(FOT1-MU) 7th – I.T.(FOT1-MU)	11/10/2023	20/10/2023

1. Explain Bayesian theorem and naïve Bayes classification.

2. Explain K-NN algorithm with example.

3. Explain K-Mean clustering algorithm.

4. Draw and explain the architecture of information retrieval system.

5. Calculate weight of term using TF-IDF and find the relevant document using cosine similarity.

   Q = rat
   D1 = Cat runs behind the rat.
   D2 = Dog runs behind the cat.

NOTE: Submit it in handwritten A4 size sheet.