Calculation

Bag of Words (BoW)

	Analyze	Best	Computer	course	data	important
T_1	0	0	1	0	1	1
T_2	1	0	0	0	1	0
T_3	1	0	0	0	2	0

	one	science	scientest
T_1	0	2	0
T_2	1	1	0
T_3	0	0	1

Term Frequency Table

	Analyze	Best	Computer	Course	data	important
T_1	0/7	0/7	1/7	0/7	1/7	1/7
T_2	1/9	0/9	0/9	1/9	1/9	0/9
T_3	1/4	0/4	0/4	0/4	2/4	0/4

	one	Sience	Scientest
1	0/7	2/7	0/7
2	1/9	1/9	0/9
3	0/4	0/4	1/4.

Inverse Document Frequency Table

	IDF values
analyze	1.69
Best	1.69
computer	1.69
cause	1.69
data	1
important	1.69
one	1.69
Sience	1.28
Scientist	1.69.

TF - IDF Table

	Analyze	Best	Computer	Course	data	important
T_1	0.26	0	0	0.446	0	0.26	0.446
T_2	0	0.48	0	0.483	0.285	0
T_3	0.51	0	0	0	0.610	0

	one	science	scientist
T_1	0	0.679	0
T_2	0.48	0.3677	0
T_3	0	0	0.516802

Cosine Similarity table :-

	T_1	T_2	T_3
T_1	1	0.40	0.241
T_2	0.40	1	0
T_3	0.24	0.2615	1

Manhattan distance table

	T_1	T_2	T_3
T_1	0	2.69	2.99
T_2	2.69	0	3.19
T_3	2.9	3.1	0

Euclidean distance

	T_1	T_2	T_3
T_1	0	1	1
T_2	1	0	1.21
T_3	1.2	1.2	0