*Ref:* AIT/CSE/2024-25/ASS-02 Date: 05/12/2024

Assignment – 2

Sub with Code: NOSQL DATABASE (21CS745)

Semester/Section:7 (A, B, C, D)

1. Explain with a neat diagram, the partitioning and combining in Map Reduce?
2. What are document databases? Eloborate the features and use cases of document database and when not use document database?
3. Explain consistency and availability in MongoDB with a net diagram for configuration of replica sets?
4. Briefly explain the scaling feature in document databases with a neat diagram?
5. Briefly describe the labels, properties in Graph databases? Explain suitable use cases of Graph databases?
6. Explain Consistency, availability and Transactions in Graph databases with examples?
7. List and explain the use cases where Graph databases are very useful?
8. Explain scaling and application level sharding of nodes with a neat diagram?